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Be sure to check out the Graduate School Information Expo April 6-7.
## Table of Contents

**SCHEDULE OF EVENTS** 2

**SPONSORS** 4

**WELCOME LETTERS**
- University of Memphis 5
- Council on Undergraduate Research 6
- NCUR Oversight Committee 7

**NCUR PROCEEDINGS** 8

**ACKNOWLEDGMENTS** 9

**PLENARY SPEAKERS** 14

**GENERAL INFORMATION** 20

**EVENTS**
- Graduate School Information Expo 24
- Departmental Open Houses 26
- Special Interest Sessions 32

**TICKETED EVENTS**
- Memphis Means Music 34
- Excursions 35

**SESSIONS**
- Faculty Administrator Network Sessions 36
- Performing Arts Sessions 38
- Visual Arts Sessions 40
- Oral Sessions 43
- Poster Sessions 140

**INDEX**
- By Institution 238
- By Presenter 247
- By Subject 266

**NOTES** 268

**CAMPUS MAP** Back Cover
# Schedule of Events - NCUR 2017

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event Description</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wednesday, April 5, 2017</strong></td>
<td></td>
<td><strong>4:00 pm - 8:00 pm</strong> CONFERENCE REGISTRATION</td>
<td>FedEx Institute of Technology - Lobby</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>7:00 am - 9:00 am</strong> BREAKFAST</td>
<td>Elma Roane Fieldhouse, Student Plaza, Tiger Den</td>
</tr>
<tr>
<td></td>
<td>9:30 am - 10:45 am</td>
<td><strong>OPENING PLENARY: FREDERICK W. SMITH</strong></td>
<td>Michael D. Rose Theatre</td>
</tr>
<tr>
<td></td>
<td>12:00 pm - 2:00 pm</td>
<td><strong>LUNCH</strong></td>
<td>Elma Roane Fieldhouse, Student Plaza, Tiger Den</td>
</tr>
<tr>
<td></td>
<td>12:00 pm - 5:00 pm</td>
<td><strong>Graduate School Information EXPO</strong></td>
<td>University Center – 3rd Floor</td>
</tr>
<tr>
<td></td>
<td>11:00 am - 12:00 pm</td>
<td><strong>SESSION 1: Oral/Visual/Performing Arts/Posters</strong></td>
<td>Various Locations</td>
</tr>
<tr>
<td></td>
<td>12:20 pm - 1:20 pm</td>
<td><strong>SESSION 2: Oral/Visual/Performing Arts/Posters</strong></td>
<td>Various Locations</td>
</tr>
<tr>
<td></td>
<td>12:20 pm - 1:20 pm</td>
<td><strong>Faculty And Administrator Network</strong></td>
<td>Various Locations</td>
</tr>
<tr>
<td><strong>Thursday, April 6, 2017</strong></td>
<td></td>
<td><strong>1:40pm – 2:40 pm</strong> <strong>SESSION 3: Oral/Visual/Performing Arts/Posters</strong></td>
<td>Various Locations</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>1:40 pm -3:40 pm</strong> <strong>Fast Pitch Competition</strong></td>
<td>Crews Center for Entrepreneurship</td>
</tr>
<tr>
<td></td>
<td>3:00 pm – 4:00 pm</td>
<td><strong>SESSION 4: Oral/Visual/Performing Arts/Posters</strong></td>
<td>Various Locations</td>
</tr>
<tr>
<td></td>
<td>4:00 pm - 6:00 pm</td>
<td><strong>Gallery Exhibition Opening</strong></td>
<td>The Martha and Robert Fogelman Galleries of Contemporary Art – Art and Communication Building, Rooms 230 and 240</td>
</tr>
<tr>
<td></td>
<td>4:00 pm - 6:00 pm</td>
<td><strong>UofM Departmental Open Houses</strong></td>
<td>Various Locations</td>
</tr>
<tr>
<td><strong>Friday, April 7, 2017</strong></td>
<td></td>
<td><strong>7:00 am - 4:00 pm</strong> <strong>CONFERENCE REGISTRATION</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7:00 am - 9:00 am</td>
<td><strong>BREAKFAST</strong></td>
<td>Elma Roane Fieldhouse, Student Plaza, Tiger Den</td>
</tr>
<tr>
<td></td>
<td>8:00 am - 9:00 am</td>
<td><strong>Faculty and Administrator Network</strong></td>
<td>Fogelman Classroom Building</td>
</tr>
<tr>
<td></td>
<td>9:00 am - 10:00 am</td>
<td><strong>SESSION 5: Oral/Visual/Performing Arts/Poster Presentations</strong></td>
<td>Various Locations</td>
</tr>
</tbody>
</table>
Schedule of Events - NCUR 2017

10:30 am - 11:45 pm
PLENARY: SANTOSH KUMAR
Michael D. Rose Theatre

12:00 pm - 2:00 pm
LUNCH
Elma Roane Fieldhouse, Student Plaza, Tiger Den

12:00 pm - 5:00 pm
Graduate School Information EXPO
University Center – 3rd Floor

12:00 pm - 1:00 pm
SESSION 6: Oral/Visual/Performing Arts/Poster Presentations
Various Locations

1:20 pm - 2:20 pm
SESSION 7: Oral/Visual/Performing Arts/Poster Presentations
Various Locations

2:40 pm - 3:40 pm
SESSION 8: Oral/Visual/Performing Arts/Posters Presentations
Various Locations

4:00 pm - 5:00 pm
SESSION 9: Oral/Visual/Performing Arts/Poster Presentations
Various Locations

4:30 pm - 5:30 pm
NCUR Oversight Committee Reception
Atrium in the Administration Building

5:30 pm - 7:30 pm
Memphis Means Music!
Student Plaza

Saturday, April 8, 2017

7:00 am - 9:00 am
CONFERENCE REGISTRATION

7:00 am - 9:00 am
LUGGAGE DROP OFF AND STORAGE
FedEx Institute of Technology (102)

7:00 am - 9:00 am
BREAKFAST
Elma Roane Fieldhouse, Student Plaza, Tiger Den

8:00 am - 9:00 am
Faculty and Administrator Network SESSION C
Fogelman Classroom Building

8:00 am - 9:00 am
SESSION 10: Oral/Visual/Performing Arts/Poster Presentations
Various Locations

9:20 am - 10:20 am
SESSION 11: Oral/Visual/Performing Arts/Poster Presentations
Various Locations

10:45 am - 12:00 pm
CLOSING PLENARY: Terri Lee Freeman, Daphene R. McFerren
Michael D. Rose Theatre

12:00 pm - 1:30 pm
LUNCH
Elma Roane Fieldhouse, Student Plaza, Tiger Den

1:30 pm - 5:00 pm
AFTERNOON EXCURSIONS
National Civil Rights Museum; STAX and Sun Studio; Graceland
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THE COUNCIL ON UNDERGRADUATE RESEARCH
Welcome to the 2017 National Conference on Undergraduate Research (NCUR) at the University of Memphis. As an urban metropolitan research university, we celebrate undergraduate research as an integral part of our educational mission. For this reason, we are excited to collaborate with the Council of Undergraduate Research in presenting the largest national showcase for research and creative activities performed by undergraduate students across all fields of study.

It’s a pleasure to welcome more than 4,000 students, faculty mentors and administrators to our campus and community to recognize and promote undergraduate student achievement. Providing undergraduates with the opportunity to engage in scholarly research is important to students’ professional development, so I applaud all the faculty mentors for providing an exceptional learning experience for their students. You do, indeed, make a difference in the lives of these students as they prepare to take the next step on the pathway to a career and a commitment to lifelong learning. To the student presenters, I offer my congratulations for the impressive research and your selection to participate in NCUR 2017.

While you are here, I invite you to experience all that our University and community offers. I hope you have the opportunity to explore and enjoy our city. Memphis has a rich history and exciting cultural tapestry. Memphis boasts the National Civil Rights Museum, a large collection of art, a rich musical heritage and a friendly atmosphere—not to mention the world’s best barbeque. I encourage you to make the time to experience the history, entertainment and the “soul” of our city for which we are proud.

Congratulations and best wishes to all of the students participating in NCUR 2017. You will find our campus and our city to be a welcoming environment in which to share your research and creative works, and you will see why, at the University of Memphis, we are “driven by doing”

M. David Rudd
President, University of Memphis
Greetings,

The Council on Undergraduate Research (CUR) is pleased and honored to congratulate the more than 4,000 undergraduate researchers, faculty mentors and other supporters of undergraduate research achievement who are participating in the 31st National Conference on Undergraduate Research (NCUR). Hosted by the vibrant and diverse University of Memphis (UofM), and located in a region of the United States renowned for its arts, culture, and hospitality traditions, the 31st NCUR promises to be an exuberant celebration of scholarship in its varied expressions. As an NCUR 2017 participant, you are part of a long cherished tradition, one that annually celebrates and commemorates outstanding research, scholarship, and creative inquiry undertaken by undergraduate students and their faculty mentors.

"Driven by Doing" is the resonant title for this year’s NCUR, and it also speaks to CUR’s energetic growth and commitment to providing valued services and programs to its more than 11,000 members at 900 affiliated colleges, universities, and associations. If you are not yet familiar with all that CUR has to offer, we invite you to learn more about our organization (http://www.cur.org). We particularly encourage all undergraduate students interested in progressing to graduate study to sign up for CUR’s registry.

As attendees have found with past NCURs, I predict that NCUR 2017 will be an incredibly powerful, moving and highly memorable experience for all participants. It is with sincere gratitude that CUR thanks UofM and the greater Memphis business community for hosting this year’s conference, and for rolling out a warm and inclusive welcome to all involved.

Elizabeth Ambos,
CUR Executive Officer
Washington, D.C.

Dear NCUR 2017 Participants,

With NCUR, the Council on Undergraduate Research invites you into a community of scholars and we are thrilled you have chosen to participate. CUR is pleased to have worked with University of Memphis to put on what will surely be an amazing conference. We hope that you find the atmosphere to be one of support and collaboration, but also one that will challenge you intellectually and make you a better scholar.

For many of us, NCUR is one of the few conferences where we get beyond our own discipline and truly learn how other areas of study generate knowledge, investigate problems, and create. Take advantage of this multidisciplinary experience and attend presentations in disciplines different from your own. And while you here, attend professional development workshops, visit the graduate school fair, and make meaningful connections with fellow NCUR participants. I urge you to make the most of the great networking opportunities that NCUR provides by getting to know the presenters in your session, sharing a meal with someone you haven’t met before, and participating in the events the University of Memphis has organized for you.

Enjoy your time in Memphis, and have a great conference.

Susan Larson
President, Council on Undergraduate Research
Professor of Psychology/Division Chair of Sciences and Mathematics,
Concordia College, Moorhead MN
Welcome from the NCUR Oversight Committee

Dear NCUR 2017 Participants,

On behalf of the Council on Undergraduate Research’s NCUR Oversight Committee, I’m glad to welcome you to the 31st National Conference for Undergraduate Research at the University of Memphis. We’re delighted to be working with this exciting institution and in this great city. We hope that your participation will be both memorable and rewarding.

NCUR has many goals, but they come together every spring in this event whose intellectual content and energy you are providing. Our purpose here is simply to celebrate and learn from your work: the research, scholarship, and creative work of undergraduates and their faculty mentors from across the nation and around the world. At the conference you’ll have the opportunity to join in an extraordinary interdisciplinary conversation with your fellow researchers, in your own field and in other intellectual communities. I urge you to grasp it fully, not only in your presentation or poster sessions, but in the creatively informal conversations and social connections that are the essential fabric of NCUR. Share your research and ideas; listen to and engage those of others; consider extending the conversation by publishing your work in the NCUR 2017 Proceedings.

I want to thank our hosts, the organizers at the University of Memphis, for whom this conference has been a long (four years!) and arduous labor of love. Now we’ll enjoy the results for the next two and a half days. Make the most of them.

John Swift
Chair, NCUR Oversight Committee
Professor of English, Occidental College

The idea for a national conference open to all undergraduates was conceived and first implemented at the University of North Carolina at Asheville (UNCA) in 1987. The first conference drew more than 400 participants from schools across the country. Now in existence for 30 years, the conference has become the leading conference for undergraduate research, hosting 3,500-4,000 students and their faculty mentors each year. One of the only conferences of its kind within the world, it provides students and faculty mentors from all disciplines the ability to present their research through posters, oral presentations, visual arts and performances. The conference is hosted at a different university across the U.S. each year. Opportunities to learn from exciting keynote speakers, interact with representatives from more than 100 graduate schools, and participate in excursions and other activities sponsored by the host site have become the hallmarks of this student research conference.
Conference Proceedings

One benefit of presenting at NCUR is the opportunity for students to publish their work in the conference proceedings, produced annually by the University of North Carolina at Asheville and distributed to institutions across the nation. All student presenters at the conference (including students in the performing/visual arts) are invited to submit manuscripts for review by the Proceedings board.

Submitting work to the Proceedings has many advantages, two of which are deemed especially important:

- The opportunity to receive comments from faculty outside your college or university, thereby enhancing the paper for submission to other sources in your field.
- The opportunity to list your publication on your resume for graduate and professional school applications.

The Proceedings are published annually as a service of UNC Asheville, and the included papers are representative of the research presented at the conference. **Publication release date for 2017 is November 30, 2017.**

Published papers from 2012, 2013 and 2014 can be viewed at [www.ncurproceedings.org](http://www.ncurproceedings.org)

**Paper Submission Dates and Fee Schedule**
NO papers will be accepted after June 15, 2017.

There are no fees for processing your paper.

**Submission Guidelines**
Send an email with your intent to submit a paper to ncureditorialstaff@unca.edu and you will receive a username and pin with instructions on how to upload your paper to the www.ncurproceedings.org site. Your username and pin will be different from the abstract username and pin submission.

**Contact**
NCUR Proceedings
ncureditorialstaff@unca.edu
UNC Asheville
308 Owen Hall, CPO 1810 One University Heights, Asheville, NC 28804
Acknowledgments

NCUR 2017 Team
The University of Memphis extends deep appreciation to the numerous UofM faculty, staff, and student volunteers who contributed their time and effort to ensure a successful conference.

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Melinda Jones, Director, Helen Hardin Honors Program

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Richard Lou
Performing Arts Presentations
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Mark Schnitzler  
Jill Nee
Memphis Means Music
Lawrence Edwards  
Ben Yonis  
Sound Fuzion
Marketing and Communication
Susan Prater  
Jamel Major  
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Maddie Griffith
Bursar’s Office
Alecia Lawrence  
Henry Robbins
Helen Hardin Honors Program
Angela Robinson  
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College of Communication and Fine Arts  
College of Education  
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Graduate School  
Herff College of Engineering  
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School of Communication Sciences and Disorders  
School of Health Studies  
School of Public Health  
University College

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Special Thanks To:
M. David Rudd, President, University of Memphis  
Karen Weddle-West, Provost, University of Memphis  
Frederick W. Smith, CEO of FedEx  
Terri Lee Freeman, President, National Civil Rights Museum  
Santosh Kumar, Professor, University of Memphis  
Daphene McFerren, Executive Director, Benjamin L. Hooks Institute for Social Change  
Beth Ambos, CUR Office  
Lindsey Thomas, CUR Office  
Scott Bassford, North Apps LLC  
NCUR Oversight Committee (NOC)  
Mark Harvey, Chair, NCUR 2016
Acknowledgments

Abstract Coordinators

Thank you to the following individuals for coordinating the abstract review process in their colleges and schools:

Jill Dapremont  
Russell Deaton  
Naomi Eichorn  
Cody Havard  
Roger Kreuz  
Marian Levy  
Brooks Lloyd  
Lorraine Meiners-Lovel  
Cathy Meredith  
Janet Page  
Abby Parrill  
Terra Smith  
Deborah Tollefsen

Abstract Review Team

Many thanks to the following individuals for reviewing more than 4,000 abstracts submitted from students throughout the United States and several countries:

Adel Abdelnaby  
Amy Abell  
SangNam Ahn  
William Alexander  
Mohd Ali  
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Plenary Speakers

Frederick W. Smith
Chairman and CEO, FedEx Corporation

Thursday, April 6
9:30 – 10:45 am
Michael D. Rose Theatre

Born in 1944 in Marks, Miss., Frederick W. Smith, Yale College graduate 1966, is the founder and CEO of FedEx Corporation. The original analyses about the logistic needs of a highly automated future society were done during his tenure as an undergraduate.

After four years of service in the Marines, including two tours of duty in Vietnam, he launched the original air-ground Federal Express network, which began operations in 1973 to serve the rapidly growing high tech/high value added sectors of the economy Smith had predicted. The company has since grown into a $58 billion* global enterprise.

Smith is responsible for providing strategic direction for all FedEx operating companies: FedEx Services (including FedEx Office), FedEx Express, FedEx Ground and FedEx Freight. FedEx serves more than 220 countries and territories with operations that include approximately 650 aircraft and 150,000 vehicles. More than 400,000 team members worldwide currently handle more than 12 million shipments each business day.

FedEx has been widely acknowledged for its commitment to total quality service. FedEx Express was the first service company to win the Malcolm Baldrige National Quality Award in 1990. FedEx has consistently been ranked on FORTUNE magazine’s industry lists, including “World’s Most Admired Companies,” “100 Best Companies to Work For,” and is on FORTUNE’s “Blue Ribbon Companies List.”

Smith is co-chair of the Energy Security Leadership Council, a Trustee for the United States Council for International Business, and a member of both the Business Council and Business Roundtable. He served as chairman of the U.S.-China Business Council and co-chair of the French-American Business Council. Smith has served on the boards of several large public companies – Malone and Hyde (AutoZone), First Tennessee, Holiday Inns, EW Scripps and General Mills – and charitable organizations including St. Jude Children’s Research Hospital and the Mayo Foundation. He was formerly chairman of the Board of Governors for the International Air Transport Association and chaired the executive committee of the U.S. Air Transport Association.

Smith has received several honorary degrees and numerous civic, academic and business awards including the Global Leadership Award from the U.S.-India Business Council; the George C. Marshall Foundation Award; the Wright Brothers Memorial Trophy; and the Circle of Honor Award from the Congressional Medal of Honor Foundation. In addition, Smith is a member of the Aviation Hall of Fame and the Business Hall of Fame. He served as co-chairman of both the U.S. World War II Memorial project and the campaign for the National Museum of the Marine Corps. He has been named a top CEO by both BARRON’S and CHIEF EXECUTIVE magazine.

*Based on December 2016 data.
Plenary Speakers

Santosh Kumar

Friday, April 7
10:30 am – 12:00 pm
Michael D. Rose Theatre

Santosh Kumar is a professor of Computer Science at the University of Memphis, where he holds the Lillian & Morrie Moss Chair of Excellence. His research focuses on mobile health (or mHealth). He and his students have developed computational models to infer human health and behavior such as stress, conversation, smoking, craving and cocaine use from wearable sensor data. He leads several large multidisciplinary projects in mHealth funded by both National Institutes of Health (NIH) and National Science Foundation (NSF). He currently leads federally-funded national Center of Excellence on Mobile Sensor Data-to-Knowledge (MD2K) that involves over 20 scientists in computing, engineering, behavioral science and medicine from 12 universities. He was named one of America’s ten most brilliant scientists under the age of 38 by Popular Science in 2010. In 2013, he was invited to speak at the White House on the future of biosensors. In 2015, he was invited by NSF to speak about his career to aspiring investigators in smart health as a role model scientist. In 2015, he was named Tennessee’s first chair of excellence in Computer Science.
Plenary Speakers

Terri Lee Freeman and Daphene R. McFerren

Saturday, April 8
10:30 am - 12:00 pm
Michael D. Rose Theatre

Terri Lee Freeman was appointed president of the National Civil Rights Museum in November 2014. As president, Freeman is responsible for providing strategic leadership in furthering the museum’s mission as an educational and cultural institution.

For 18 years, Ms. Freeman served as president of the Community Foundation for the National Capital Region, the largest funder of nonprofit organizations in the Washington, D.C., metropolitan area. In that position, she distinguished herself for her community building, her role in creating community consensus, her leadership on critical issues to improve quality of life, and her record of increasing the Community Foundation’s assets from $52 million to more than $350 million. She has a record of using her skills and experience to bridge differences between diverse people and finding common ground for the future, as reflected in a number of awards and her board leadership and membership with important nonprofit organizations in the nation’s capital.

Prior to the Community Foundation, Ms. Freeman was founding executive director of the Freddie Mac Foundation, one of the five largest corporate foundations in the metropolitan Washington region.

A graduate of the 2016 class of Leadership Memphis, Ms. Freeman has serves on several boards. She is a member of the Boards of the Community Foundation for Greater Memphis, the New Memphis Institute, and the Memphis Visitors’ and Convention Bureau. She also serves as a member of the Tennessee Educational Equity Coalition Steering Committee.

Freeman received her bachelor’s degree in journalism/communication arts from the University of Dayton and her master’s degree in organizational communications from Howard University. She is married to Dr. Bowyer G. Freeman and is the proud mother of three daughters.
Daphene R. McFerren is the executive director of the Benjamin L. Hooks Institute for Social Change. McFerren manages the Hooks Institute’s strategic planning; program creation and implementation; local and national fundraising efforts; and work on behalf of the Hooks Institute staff, faculty and contractors. McFerren is responsible for creating budgets for Hooks Institute programs and monitoring program expenses to ensure that financial targets are met. She is the primary media contact for the Hooks Institute and has made numerous television and radio appearances to promote its work.

Under her leadership, the Hooks Institute has increased its focus on innovative ways to promote civil discourse on civil and human rights, and on implementation of impactful community service programs. As director of the Hooks Institute, McFerren has chaired national conferences on civil and human rights issues. Under McFerren’s leadership the Hooks Institute has created websites on civil rights featuring state-of-the-art technology such as Geographic Information Systems (GIS). McFerren was the executive producer of the film *Duty of the Hour*, a film about the life of Dr. Benjamin L. Hooks. She is also the executive producer, director, and narrator of the award-winning documentary short, *The Civil Rights Movement: A Cultural Revolution*, winner of the Silver and Bronze Annual Telly Awards (36th Annual Competition, 2015); The People’s Telly (2015) and The Best Shorts Competition (Award of Merit, 2015). In fall 2016, McFerren taught a Helen Hardin Honors Program course, on Civil and Human Rights today that focused on how the Civil Rights Movement of the 1950s and 1960s continues to shape movements today, including the Black Lives Matter Movement, and human rights movements both in the United States and abroad. McFerren was a 1995 National Endowment for the Humanities Summer Research Award recipient. Prior to joining the Hooks Institute, McFerren litigated complex civil litigation matters in private practice and with the U.S. Department of Justice. She is also a former federal prosecutor and secured convictions in human trafficking cases of national and international interest. From 1999 to 2001, McFerren served as counsel to the Honorable Janet Reno, attorney general of the United States.
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BOISE STATE UNIVERSITY
COLLEGE OF ARTS AND SCIENCES
Biomolecular Sciences Graduate Programs

1900 University Drive
Boise, ID 83725-1512
208-426-2884
Biomolecularphd@boisestate.edu
Biomolecularsciences.boisestate.edu

ASSISTANTSHIPS:
The Ph.D. program offers competitive Assistantships for qualified students including an annual stipend of $25,000, plus full tuition and health insurance.

The Ph.D. in Biomolecular Sciences focuses on:

- Study of the complex nature of the molecules of biological systems as they relate to normal homeostatic and disease processes
- Development of treatments for diseases as well as preventative measures such as vaccines
- Research and development of innovative devices and methodologies in biomolecular sciences
About the University of Memphis

The University of Memphis is a learner-centered metropolitan research university committed to excellence in all undergraduate, graduate and professional education. The University is divided into 11 academic colleges and schools; offers bachelor’s degrees in more than 50 majors and 70 concentrations, master’s degrees in 55 subjects and doctoral degrees in 23 disciplines, in addition to the juris doctor and a specialist degree in education. The University has 25 Chairs of Excellence, more than any other Tennessee university, and five state-approved Centers of Excellence.

The University of Memphis serves a highly diverse student body of 21,301 students including 17,176 undergraduates and 4,125 graduate, doctoral and professional students. The University is noted for its high minority enrollments (36 percent of our students are African-American) and has one of the nation’s highest graduation rates for African-Americans among historically white universities.

Memphis, the largest city on the Mississippi River, is known as the “Home of the Blues” and the “Birthplace of Rock ’n’ Roll.” The 2017 NCUR logo features the bridge that spans the Mississippi River and the microphone honors Memphis’ rich contributions to popular music. The sunburst in the logo is inspired by Sun Studio, where some of the earliest practitioners of blues and rock ‘n’ roll, such as B.B. King and Elvis Presley, got their start in Memphis.

NCUR Conference App

Download the Guidebook app to your iPhone or Android. Find the NCUR 2017 guide, and you will have the most up-to-date schedule for conference presentations and events. The app allows you to search presentations, create your own schedule, and much more.

Assistance and Information

Information tables are staffed throughout the conference and are in the following locations:

UC – University Center Information Desk
FIT – Lobby Kiosk
RTH – Rose Theatre Lobby
FH – Elma Roane Fieldhouse

Campus Volunteers

NCUR volunteers, wearing bright royal blue T-shirts, are located throughout the campus to help you with any questions you may have.

NCUR 2017 T-Shirts

NCUR 2017 T-shirts that were purchased during the online registration process will be available for pickup at the conference registration site in the FedEx Institute of Technology. T-shirts can be purchased on-site from the same location.

ATMs

An ATM is located by Dunkin Donuts on the first floor of the University Center, and on the second floor of the V. Lane Rawlins Service Court (above the Bookstore).
Copy Services
Tiger Copy & Graphics is located on the second floor of the Rawlins Service Court (above the Bookstore). Office hours are Monday through Friday, 8:00 am to 4:30 pm.

Wireless Internet Access
Wireless network service is available in all campus buildings, but coverage may be limited during large meetings. Please refrain from using personal hotspots or Wi-Fi tethering as these degrade the experience for everyone.

To connect:
- View available wireless networks.
- Select **NCUR** on the list.
- No password is needed.

Dining Services
All registrations, pre-paid or on-site, include breakfast and lunch with vegetarian and gluten-free options. Three dining locations are available on campus for NCUR attendees: the Elma Roane Fieldhouse, the Tiger Den and an outdoor venue on the Student Plaza (in front of the Michael D. Rose Theatre).

Complimentary continental breakfast is available at each of these locations from 7:00 am to 9:00 am on Thursday, Friday and Saturday.

Lunch is also served at each location from 12:00 pm to 2:00 pm. You must be a registered attendee and show your NCUR badge/name tag for each breakfast and lunch.

The University of Memphis has several dining locations if you are craving something different than what is offered for the complimentary meals:
- University Center Food Court (1st floor)
- Cyber Café (FedEx Institute of Technology)
- Roar Shack (Psychology Building)
- Jones Hall Food Court
- Starbucks (Bookstore)
- Einstein’s Bagels (McWherter Library)
- Subway (Art and Communication Building)
- Fred & Ethel’s (Theatre Building)
- Café Fresca (Patterson Hall)

First Aid/Medical Emergencies
For medical and mental health emergencies on or off campus, dial 911 immediately. Calling 911 from a campus phone connects you immediately with University Police. Calling 911 from your cell phone connects you with the Shelby County 911 system. Provide as much information as you can about your location and the nature of emergencies.

Information for the closest urgent care facilities is provide below:

**Baptist Minor Medical Center**
3295 Poplar Ave, Memphis TN 38111
(901) 327-8188
Hours: Mon-Fri, 8:00 am-7:30 pm; Sat-Sun, 8:00-2:00 pm
Distance from campus: 1.4 miles

**Walgreens Healthcare Clinic**
4680 Poplar Avenue
(901) 683-2488
Hours: Mon-Fri, 8:30 am – 6:30 pm; Sat-Sun, 9:00 am-4:30 pm
Distance from campus: 1.7 miles

**Baptist Memorial Hospital-Memphis**
6019 Walnut Grove Rd. Memphis, TN 38120
(901) 226-5000
Hours: 24 hours/7 days a week
Distance from campus: 4.9 miles

**St. Francis Hospital**
5959 Park Ave, Memphis TN 38119
(901) 765-1000
Hours: 24 hours/7 days a week
Distance from campus: 5.4 miles

All-Gender and ADA-Accessible Restrooms on Campus
ADA accessible, single-stall, all-gender restrooms are located in the following academic buildings:
- Fogelman College of Business, Administration Wing, fourth floor
- McCord Hall - first and second floors, west sides
- Elma Roane Fieldhouse - first floor, center N/S corridor
- Johnson Hall - main floor - Level 2
- Meeman Hall - first floor, south corridor
Shuttle service is available during the following times:

- Music Building - Main Floor, Level 2 (shared with dressing rooms) south corridor
- J.M. Smith Hall (Chemistry) - Main Floor, Level 2, near room 225
- Jones Hall - Main Floor, Level 2, near elevator
- Dunn Hall - Second Floor, east corridor near room 226

All gender, single-stall restrooms (non-ADA accessible) are located in the following buildings:

- Manning 106
- McCord 207J
- Hudson Health 105

**Lactation Rooms**

Designated lactation rooms are located in the following buildings:

- University Center 240
- Clement Hall 118
- Patterson Hall 124
- Hudson Health 109

**Faculty/Administrator Lounge**

Faculty, staff, administrators and exhibitors are invited to enjoy complimentary refreshments in the Faculty Senate Chamber (Room 261) in the University Center from 8:00 am to 5:00 pm Thursday and Friday.

**Transportation**

NCUR 2017 will provide complimentary shuttle service from all NCUR-designated hotels. If you are not staying at an NCUR-designated hotel, you may still ride the shuttle that picks up at the nearest conference hotel. Shuttle service is available during the following times:

**Thursday, April 6**

- 6:30 am – 10:30 am
- 2:30 pm – 6:30 pm

**Friday, April 7**

- 6:30 am – 10:30 am
- 2:30 pm – 6:30 pm

**Saturday, April 8**

- 6:30 am -1:00 pm

Shuttle service is allocated based on the estimated number of registrants staying in hotel properties. The shuttles will run approximately every 30 minutes. Although specific pick-up and drop-off times cannot be provided, we urge attendees to ride the earliest shuttle possible to ensure a timely arrival on campus for the plenary sessions and/or presentation sessions.

**Downtown Hotel Shuttle Routes**

**Duck Route (Yellow)** serves DoubleTree by Hilton Downtown, Holiday Inn Downtown and Peabody Hotel. The Peabody Hotel is the central pick-up/drop-off location for this route.

**Elvis Route (Purple)** serves Crowne Plaza Memphis-Downtown and the Sheraton Memphis-Downtown. The Sheraton is the central pick-up/drop-off location for this route.

**Beale Route (Gray)** serves Best Western Gen X Inn, Comfort Inn Downtown, Courtyard-Downtown, Sleep Inn Suites at Court Square, SpringHill Suites, and The Westin Memphis Beale Street. The Sleep Inn & Suites is a central pick-up/drop-off location for this route; The Westin will have its own pick-up/drop-off point.

**East Memphis Hotel Shuttle Routes**

**BBQ Route (Red)** serves Hilton Memphis East.

**Shelby Route (Green)** serves Homewood Suites-Poplar, Four Points by Sheraton, and Memphis Marriott East. The Four Points will be the central pick-up/drop-off location; Marriott East will have its own pick-up/drop-off point.

**Tiger Route (Blue)** serves Courtyard-Park, DoubleTree by Hilton-East, Hampton Inn, Embassy Suites, and Hampton Inn-Shady Grove. The Hampton-Inn Shady Grove will serve as the pick-up/drop-off point for Embassy Suites; all other hotels will have its own pick-up/drop-off point.

**South Memphis Shuttle Routes**

**River Route (Pink)** serves Quality Suites-Thousand Oaks and Crown Plaza Memphis East. Both hotels will have its own pick-up/drop-off point.
Excursion Shuttle Service
Pick-up/drop-off for excursions is along Central Avenue. Volunteers will be available to direct attendees to appropriate shuttles. Individuals will be shuttled back to their hotels shortly after returning to the UofM campus. **Shuttles will leave promptly at scheduled times.**

Parking
Parking is very limited so please use the shuttle service provided to and from the NCUR hotels. If you are not staying at a hotel with a shuttle, please review the following parking options:

Cars
Attendees who are driving cars to campus should park in the Southern lot directly across the street from the REC center. The street address is 620 Echles Street, Memphis, TN 38152.

Charter Bus Parking
A remote parking lot is available for charter buses at the Park Avenue Campus Lot 63. The address is 950 Getwell Road, Memphis TN. The UofM’s Blue Line will shuttle NCUR attendees to the main campus.

Passionate about making the world a better place?
Earn a graduate degree in Public Health!

School of Public Health Open House
April 6 | 4–6 p.m. | Rose Theatre
Choose from one of our CEPH-accredited degree programs:

- Master of Public Health
  Online and one-year options available
  Dual degrees (JD/MPH; MSW/MPH)
- Master in Health Administration (CAHME-accredited)
- Certificates in Population Health and Health Analytics
- Doctoral programs in Social and Behavioral Sciences, Epidemiology, Health Systems and Policy

memphis.edu/sph
Events

Graduate School Information Expo

Thursday and Friday, April 6 & 7, 12:00 pm – 5:00 pm
University Center, 3rd Floor

Explore more than 100 graduate and professional school opportunities with the U.S. and internationally. Representatives will be available to talk with prospective students about higher education opportunities.

The Graduate School Information Expo participants are:

- Adelphi University
- American University School of Public Affairs
- Arcadia University College of Global Studies
- Arizona State University-Nursing Program
- Auburn University Graduate School
- Bay Path University
- Bethel University Physician Assistant Program
- Binghamton University-State University of New York, The Graduate School
- Boise State University
- Colorado State University, Department of Ecosystem Science & Sustainability
- Cumberland University
- David Eccles School of Business at the University of Utah
- Des Moines University
- Drexel University
- Duquesne University
- Eastern Washington University
- Embry-Riddle Aeronautical University
- Emory University Laney Graduate School
- Emory University-Candler School of Theology
- Emporia State University Graduate School
- Florida International University
- Freed-Hardeman University
- Harvard Graduate School of Arts & Sciences
- Illinois University Human Development and Family Studies
- Iliff School of Theology
- Indiana University School of Medicine Biomedical Science Graduate Programs
- Institute of International Education Gilman Scholarship Program
- Institute of Technology at University of Washington Tacoma
- Jacksonville University
- Journal of Student Research
- Journal of Young Investigators
- Kansas City University of Medicine and Biosciences
- Marian University College of Osteopathic Medicine
- Marquette University Graduate School
- Mercer Law School
- Midwest Journal of Undergraduate Research
- Mississippi State University, The Graduate School
- Missouri State University
- Missouri University College of Engineering
- n + I Engineering Institutes
- New York University Tandon School of Engineering
North Dakota State University
NSF Graduate Research Fellowship Program
Old Dominion University
Penn State College of Medicine
Purdue University The Graduate School
Rensselaer Polytechnic Institute
Rosalind Franklin University of Graduate & Postdoctoral Studies
Saint Louis University
Savannah College of Art and Design
Sigma Xi
Southern Illinois University Graduate School
St. Jude Children’s Research Hospital Graduate School of Biomedical Sciences
Student Opportunity Center
Temple Graduate School
Texas Tech University Graduate School
Texas University Health Sciences Center Graduate School of Biomedical Sciences
The University of Alabama Graduate School
The University of Alabama Manderson Graduate School of Business
The University of Iowa
The University of Mississippi School of Pharmacy
The University of Tennessee Health Science Center
The University of Texas at San Antonio
Tuskegee University College of Veterinary Medicine Graduate Public Health
University of Georgia School of Social Work
University of Alabama at Birmingham
University of Alabama at Huntsville
University of Arizona
University of Arkansas Clinton School of Public Service
University of Central Florida
University of Chicago
University of Cincinnati
University of Idaho
University of Illinois at Chicago
University of Kentucky
University of Kentucky School of Information Science
University of Maryland School of Medicine
University of Memphis
University of Miami Marine and Atmospheric Sciences
University of Minnesota
University of North Carolina-Charlotte
University of North Texas
University of Pittsburgh School of Health and Rehabilitation Sciences
University of Pittsburgh School of Nursing
University of Rochester
University of Tennessee Program for Excellence & Equity in Research
University of Texas at Arlington
University of Texas at Dallas
University of West Florida
University of Wisconsin-Milwaukee
University of Texas – Dallas
Van Andel Institute Graduate School
Washington University-Division of Biology & Biomedical Sciences
Wayne State University
West Virginia University
Worcester Polytechnic Institute
Xavier University School of Medicine
Events

Departmental Open Houses

Thursday, April 6, 4:00 - 6:00 pm

Department of Anthropology
324 Manning Hall, Ethnographic Research Lab

All NCUR participants are invited to a Department of Anthropology Open House on April 6 from 4-6 pm in Manning 324. Join us for refreshments and learn about our graduate program, which is rated among the nation’s premier master’s programs in applied anthropology. Our award winning faculty prepares students to engage with real world issues in the U.S. and worldwide in relation to community development, community health, cultural identity and heritage, environmental sustainability, and many other areas. We also offer a concentration in medical anthropology, which addresses health risks and disparities and improves wellbeing in diverse populations. We are partners with the School of Public Health on dual MA/MPH degrees, and with Interdisciplinary Studies on a graduate certificate in museum studies. We feature intensive mentoring and our graduates enjoy exceptional success in securing rewarding employment and/or admission for post-MA studies.

Department of Biology
Lobby, Ellington Hall

The 30 faculty members in the Department of Biological Sciences have diverse research interests that span molecular, cellular and developmental biology, ecology, evolution, and behavior. Currently 53 graduate students are enrolled; most are PhD students, but the department also hosts thesis and non-thesis MS students. The Department of Biological Sciences features facilities well-equipped for cutting-edge research in laboratory and field biology, as well as areas of genomics and bioinformatics. Major departmental resources include the Feinstone Center for Genomic Research, the Ecological Research Center, the Integrated Microscopy Center, and the Meeman Biological Station. The Department of Biological Sciences is also home to the director and several faculty involved in the University of Memphis Program in Bioinformatics. The department will offer laboratory and facilities tours, discussion sessions with professors and current graduate students, and poster and brief oral presentations of current research. Tour groups will form at the Ellington Bldg. lobby (map https://umwa.memphis.edu/campusmap/index.php), where refreshments will be served and biology subdiscipline discussion groups will take place. The size of tour groups will be limited, so early signup is encouraged. Please contact Zachary Ramsey for tour information zlramsey@memphis.edu.

Fogelman College of Business and Economics
Atrium, FCBE

The faculty and students in the Fogelman College of Business and Economics at The University of Memphis welcome all NCUR participants interested in accounting, economics, finance, information systems, management, marketing and supply chain management to join us for a reception. FCBE offers five different MBA programs. We offer two full time MBA programs – the unique Customer Driven MBA program and International MBA program. We also offer two part-time MBA programs – the Professional MBA program and Online MBA program. Further, we offer an Executive MBA program. We also offer four specialized master’s programs in Accounting, Economics, Business and Information Technology and Finance. FCBE also offers a doctoral degree in each functional area of business. You are also invited to visit our state-of-the-art Cook Analytics and Trading Lab as well as the Customer NeuroInsights Research Lab.

College of Communication and Fine Arts
Atrium, Art & Communication Building (across from the Holiday Inn)

Creativity never goes out of style. Neither does intelligence, and at the College of Communication and Fine Arts, you’ll be surrounded by both. With the city of Memphis as a backdrop, we are educating tomorrow’s creative professionals. Music, theatre, art, dance, architecture and communication arts are more alive in Memphis than in some cities double our size. In both expected and unexpected ways, you will interact with other big idea people in both real-world and academic...
settings. Here there is a genuine spirit of cooperation in a down-to-earth environment that gives you the freedom to be you. Faculty members who are gifted in the humanities, social sciences, fine and performing arts, architecture and design and communication arts and sciences will inspire you. We are driven to help you create, be bold, be different and to stretch your thinking and yourself.

**Department of Computer Science**  
Rose Theatre Lobby

The Department of Computer Science provides excellent programs at all levels of study, and its faculty and students seek to excel in research and applications in fields where computation is of significant importance.

We prepare students who can make a difference in a rapidly changing world. In addition to traditional bachelor’s, master’s and doctoral degrees in computer science, we offer graduate certificates in Cyber Security and Information Assurance and Data Science, and we support an interdisciplinary degree in Bioinformatics (through the College of Arts and Sciences). Our programs build on solid foundations and on laboratory experiences to provide our graduates with a stimulating combination of knowledge and effective computing skills that enable them to become effective problem solvers.

**Department of Counseling, Educational Psychology & Research**  
Ball Hall

Please join the Department of Counseling, Educational Psychology and Research for an open house reception in Ball Hall and find out how you can turn your passion for helping others into a rewarding career! The CEPR department offers six master’s degrees: Clinical Mental Health Counseling, School Counseling, Rehabilitation Counseling, Clinical Rehabilitation Counseling, Educational Psychology, and Educational Research, four doctoral programs: Counseling (EdD), Counseling Psychology (PhD), Educational Psychology (PhD), and Educational Research (PhD), as well as four graduate certificates: College and Career Counseling, Disability Studies, Qualitative Research, and Quantitative Research. Graduates of our department go on to become university teachers, counselors, psychologists, program evaluators, and researchers in educational and counseling environments. All of the Counseling/Counseling Psychology programs are accredited by their national organizations (CACREP, CORE, & APA). Join faculty and students at this open house to learn more about how you can improve the lives of others through graduate study in the CEPR department. There will be signs in Ball Hall directing you to the room for our open house.

**Herff College of Engineering**  
Atrium, Engineering Administration Building

The Herff College of Engineering invites NCUR participants to an open house in the atrium of the Engineering Administration Building. The Herff College offers bachelor, master’s, and doctorate degrees in Biomedical, Civil, Computer, Electrical, and Mechanical engineering. In addition, it offers bachelor and master’s degrees in Engineering Technology. With funding from industry, local government, the National Science Foundation, National Institutes of Health, and Department of Defense, research in the college is exciting and significant. Some of the areas are tissue engineering, biomedical systems and imaging, medical devices, water resources, transportation engineering, earthquake engineering, intelligent systems, drone technology, nanotechnology and additive manufacturing. Come meet our faculty and students, and let’s continue the engineering research conversation.

**Department of History**  
147 Mitchell Hall, History Educational Resource Center

The Department of History invites all NCUR participants to an open house at the History Educational Resource Center in Mitchell 147. Please join us for light refreshments and conversations with faculty and students. The Department of History offers one of the signature graduate programs in the College of Arts and Sciences, providing exceptional training and optimistic prospect for future success. Members of the history faculty are recognized at the highest levels of the profession for innovative methodologies, exhaustive research, and insightful writing. The department offers both an MA and PhD in History, with five major focus areas: African-American and Southern History; Egyptology; Modern European History; Global History; and Women, Gender and Family History. Graduate students benefit from regular interaction with faculty both in the classroom and through the daily life of the department; they participate in seminars and colloquia,
present papers at professional conferences, and publish articles and reviews in historical journals. Many of our students join the Graduate History Association (GHA), the Graduate Association for African-American History (GAAAH), and/or Phi Alpha Theta (PAT).

Department of Instruction & Curriculum Leadership
4th floor, Ball Hall
Are you excited about making a positive impact in the lives of both children and adults? Does working as an educator across a wide range of environments interest you? If so, please join the Department of Instruction and Curriculum Leadership (ICL) for an open house in Ball Hall. The ICL Department houses a range of programs that provide students with the knowledge and skills necessary to successfully work as educators and practitioners in education, business, health care, military and social assistance fields to name a few. Our programs include Early Childhood Education, Elementary Education, Instruction and Curriculum, Instructional Design and Technology, Reading Education, School Library Specialization, Secondary Education, Special Education and Applied Behavior Analysis. Come join us to learn more about our programs and all we have to offer.

Instructional Design and Technology (IDT)
320 Ball Hall, IDT Studio
Do you want to design, develop, and evaluate effective learning in corporate, medical, government, non-profit, and educational environments? If your answer is, YES!, visit the IDT Studio in 320 Ball Hall during the Open House on April 6 from 4-6 pm to learn about the Instructional Design and Technology (IDT) certificates (Educational Technology and Design & Development) and graduate programs (M.S. and EdD in Instructional Design and Technology). All are offered completely online. Our internationally recognized faculty prepare students as highly skilled designers of instruction; scholar-practitioners who solve instructional and performance problems; and stewards who partner with others to innovate the learning process and use instruction and technology to improve lives, locally and globally. All students are provided with individualized mentorship, and graduates enjoy rewarding career options.

All NCUR participants are invited to enjoy refreshments while learning more about the degree and certificate opportunities and IDT resources. Current and former students will also be there to showcase their work and meet potential students. Tours of the studio will be offered. Touring the sound booth, video booth, Design & Development labs, and more is not to be missed.

Institute for Intelligent Systems
4th floor, FedEx Institute of Technology
All NCUR participants are invited to meet with faculty and students in the Institute for Intelligent Systems (IIS). The IIS offers an undergraduate minor and graduate certificate in Cognitive Science, the interdisciplinary study of the mind. Our research focuses on intelligent systems broadly defined, including human, animal, and machine intelligence. Undergraduate students are welcome in our research labs and work closely with graduate students and faculty on research projects.

Cecil C. Humphreys School of Law & Department of Political Science
1 North Street (Shuttle service provided between campus locations)
The Cecil C. Humphreys School of Law and the Department of Political Science invite you to a reception at the Law School in the heart of downtown Memphis. The University of Memphis offers a JD through the Law School, an MA in Political Science and a Dual JD/MA degree offered by the School of Law and the Department of Political Science. Faculty will be there to explain their programs and to discuss research opportunities.

The School of Law is located in the historic former US Customs House, Court House, and Post Office in the heart of the legal, business, and cultural district that is downtown Memphis. The beautiful state-of-the-art building offers a magnificent view of the Mississippi River and is within blocks of numerous law offices and both state and federal courthouses. This location gives students unparalleled opportunities for experiential learning and easy access to cultural attractions. Memphis Law students consistently praise the law school’s quality of life, due in large part to the impressive building aesthetics, sense of community, location, classroom facilities, social life, and library staff. These benefits are paired with a solid, practice-focused
education. Memphis Law traditionally has a high bar-passage rate, a solid job placement rate for graduates, and has been nationally recognized for its facility and as a preLaw Magazine Best Value Law School, an honor that considers not only bar passage and employment rates, but financial factors of student debt, tuition and cost of living.

Memphis Law brings together unique individuals with a wide variety of cultural, geographic, employment, and academic backgrounds. Many of its students come to law school immediately after finishing their undergraduate education; however, a significant number have been in the workforce or have completed advanced degrees. The school recognizes that diversity within the student body enriches the classroom experience for all students and enhances the overall quality of the educational program, and therefore, strives to ensure that both traditional and non-traditional students have an opportunity to succeed.

**School of Health Studies**  
**Roane Fieldhouse, Room 172**

Please join faculty from the School of Health Studies (SHS) for refreshments and to learn more about our outstanding graduate programs (www.memphis.edu/shs). Laboratory tours will also be provided. The SHS is home to close to 30 full-time faculty members, many of whom are world-renowned in their respective discipline. Six graduate programs are housed within the SHS, including: Clinical Nutrition; Environmental Nutrition; Nutrition Science; Exercise, Sport and Movement Sciences; Health Promotion; and Physical Activity Teacher Education. Within and outside of the SHS, facilities are available to support cell culture studies, pre-clinical animal investigations (including fly, rodent and pig models), and human clinical investigations. Graduate students work side-by-side with faculty in a mentorship relationship, allowing for knowledge and skills to be developed, while relationships are built. In addition to our graduate programs and research facilities, two centers are housed within the SHS: The Center for Nutraceutical and Dietary Supplement Research and The Sport Performance and Health Consulting Center (SPAHCC). Graduate assistantships are available to highly qualified students. Visit with us to learn how you can become a graduate student in one of our programs beginning in fall 2017.

**School of Public Health**  
**Rose Theatre Lobby**

Passionate about making the world a better place? Interested in preventing disease and improving population health? Come meet the faculty and students of the School of Public Health. All NCUR participants are cordially invited to a reception to experience our nationally (CEPH) accredited School of Public Health. We offer two Master’s degrees: A Master of Public Health (MPH) and a Master of Health Administration (MHA). The MPA is awarded in five concentration areas (Biostatistics, Epidemiology, Environmental Health, Health Systems and Policy, and Social/Behavioral Sciences) and may be completed in as little as one year for highly prepared students planning to enter medical school. Other options include the online MPH, JD/MPH and MSW/MPH. Our second master’s program (Master in Health Administration) is nationally ranked and is the only CAHME-accredited MHA program in the state. The School of Public Health also offers certificates in Population Health and in Health Analytics, as well as three Doctoral degrees in Social and Behavioral Sciences, Epidemiology, and Health Systems and Policy. Please join us to learn how you can make a world of difference through graduate study in Public Health.

**Department of Sociology**  
**203 Clement Hall**

Please join us for light refreshments and conversations with faculty and current graduate students. You will also have the opportunity to learn more about our program. The Department of Sociology offers graduate studies leading to the master of arts in sociology. In addition to solid training in sociological theory and social research methods, the program offers a wide selection of courses in many substantive areas such as race, class and gender studies, globalization and development, social change, family, deviance, social psychology, religion, and medical sociology. Many of our students are awarded full-time or part-time graduate assistantships to support their studies and students in the program receive intensive mentoring that contributes to their future success in doctoral studies and in their careers. We look forward to meeting you!
School of Urban Affairs and Public Policy
2nd Floor, McCord Hall
All NCUR participants are invited to meet with faculty and students in the School of Urban Affairs and Public Policy (SUAPP) in the McCord Hall second floor conference room. SUAPP is home to graduate programs in Public and Nonprofit Administration, City and Regional Planning, Criminology and Criminal Justice and Social Work. SUAPP supports the synthesis of diverse perspectives, theoretical foundations, and research approaches required to understand and address the complex issues of metropolitan areas, while building capacity to address those challenges through education and community partnerships. SUAPP works foster more efficient, equitable, sustainable, safe and prosperous communities.

Serving the City: Community-Engaged Scholarship at the University of Memphis
1st Floor, Jones Hall, Department of Architecture Gallery
Meet with members of the UofM Engaged Scholarship Committee – a multidisciplinary group of faculty from departments across the University who support and practice engaged research and learning principles. Engaged Scholarship is built upon reciprocal relationships between universities and communities. It requires that educators and students venture beyond the halls of academia to connect with residents and community stakeholders, all of whom play an equally integral role in the Engaged Scholarship process. Learn about how UofM students and faculty are serving, learning, and partnering to make our city a better place.
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GREAT MINDS MULTIPLIED

Papers & Publications (P&P) is a regional, peer-reviewed journal of undergraduate research, promoting student learning by disseminating undergraduate research and creative works that make an intellectual or creative contribution to the discipline or to applied practice. This journal is published annually by the Center of Undergraduate Research and Creative Activities (CURCA) at the University of North Georgia with support by the UNG Libraries.

Submission Guidelines

Students may submit original critical or creative works that have been presented at a conference, showcase, or capstone course. Submissions are welcome from students affiliated with colleges and universities in the southeastern United States, including Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, and Virginia. The work may not be printed or under consideration by other publications.

greatminds.multiplied
Events

Special Interest Sessions for Faculty and Administrators

Building a Student Ambassador Program
Thursday, April 6, 4:00 – 5:00 pm
FedEx Institute of Technology, Fishbowl (Rooms 203/205)
The CUR Student Programs Task Force is laying the groundwork to pilot a new national student advocacy and leadership program. Task force members will use this session to gather input from faculty and directors to shape the direction and content of this program. We will also use this time to share models of campus-level student ambassador programs and best practices for state capitol undergraduate research outreach events (state versions of Posters on the Hill). After a pilot phase, we hope that the proposed national CUR Student Ambassadors Program (CURSAP) will be a new signature student program!

Developing a Mentoring Network for Effective Classroom Teaching Practices Involving Student Research
Thursday, April 6, 4:00 – 5:00 pm
FedEx Institute of Technology, Room 226
The undergraduate science education community has responded to the recommendations of the American Association for the Advancement of Science (AAAS) Vision and Change document with several initiatives designed to improve the way in which undergraduates learn science. These initiatives have often taken the form of one-time workshops that generate awareness of and interest in active learning techniques among participants. However, they have been less successful with respect to generating the sustainable change necessary to bring real reform to undergraduate science education. To create sustainable change, long-term faculty development initiatives focused on mentorship are needed so that instructors seasoned in active learning can convey their experiences to mentees interested in using these pedagogical techniques as the centerpiece of their own teaching. CUR is well-positioned to be a leader in providing current and future instructors with the training necessary to effectively bring authentic research into their classrooms. In this session, we will discuss the efforts of other professional societies like The American Society for Cell Biology (ASCB) to develop a mentorship network for the spread of best practices in teaching and how CUR can adapt this model to become a leader in the development and spread of instructors equipped to utilize course-based research experiences (CUREs) in their teaching.

Special Interest Session for Faculty and Students
Health Sciences Division Networking Event
Thursday, April 6, 4:00 – 5:00 pm
FedEx Institute of Technology, Room 226

Special Interest Sessions for Students
Students: Advocating for Undergraduate Research
Thursday, 12:30 – 1:30 pm
FedEx Institute of Technology, Fishbowl (Rooms 203/205)
Do you love undergraduate research? Are you a leader? Are you looking for opportunities to promote undergraduate research on your campus to increase resources for students? This session will provide suggestions and models for advocacy efforts that you can use when you return from NCUR. This session will also be used to inform about the work of a CUR Student Programs Task Force planning to launch a new national student ambassador program.
**Students: Panel Discussion with American Physiology Society (APS) Professionals**  
*Thursday, 12:30 – 1:30 pm*  
*FedEx Institute of Technology, Room 226*

The developmental, physiological and neurological fields of biology are making groundbreaking discoveries at a rapid pace. Because these fields are interdisciplinary in nature, students from a variety of backgrounds can contribute to these fields – ethicists, computer scientists, mathematicians and historians – to name just a few. In this session, you will hear from individuals in these fields talk about their educational pathways and hear their recommendations for undergraduate students thinking of pursuing a career in this area.

**Students: Creating Your Personal Brand**  
*Friday, 1:00 – 2:00 pm*  
*FedEx Institute of Technology, Fishbowl (Rooms 203/205)*

**Presenter: Dr. Justin Lawhead, UofM**  
**Associate Vice President for Student Affairs/Dean of Students**

In today’s employment marketplace, it’s tough to stand out. Good grades and lots of extracurricular activities won’t guarantee that you’ll land the job of your dreams, or even attain an interview. There are many qualified candidates out there. You need a strategy to impress recruiters with new unique in person and online. You need to establish personal marketing processes that clearly represent your value. It starts with building your personal brand. Creating your brand starts with you answering these questions:

What are your unique strengths, skills and attributes?

What do you want to be known for?

What will make you stand out in the eyes of potential employers?

The presenter will guide attendees through brand development by presenting strategies and tactics to discover your unique strengths, skills and talents. Students will also explore guidelines to project a positive professional presence, strategies to build your professional online presence on LinkedIn.

**Students: Developing your Elevator Speech, Networking Abilities, and Interviewing Skills**  
*Friday, 2:00 – 3:00 pm*  
*FedEx Institute of Technology, Room 226*

**Presenters: Clay A. Woemmel, UofM**  
**Associate Director of Career Services; Alisha Rose Henderson, UofM Director of Career Services**

In this interactive workshop, students will develop a personal elevator speech following tips shared by the presenters. Students, in pairs, will practice their networking skills by introducing themselves and presenting their elevator speech to each other. Students will also learn techniques for answering frequently-asked behavioral interview questions and will have the opportunity to practice their answers and receive feedback.
**MEMPHIS MEANS MUSIC**

**Friday, April 8, 5:30 pm**

Student Plaza (next to the fountain) on the UofM campus

$10, includes dinner, entertainment and transportation to hotel

Music fans know Memphis as the “Home of the Blues” and the “Birthplace of Rock ‘n’ Roll.” Barbecue aficionados know that nothing quite compares to Memphis barbecue. Experience both the Memphis music and food scene with a barbecue buffet and concert featuring Sound Fuzion, the contemporary student music ensemble from the University of Memphis. Sound Fuzion includes nine singers, a five-piece rhythm section, two audio engineers, and a performance and marketing/media coordinator. Their repertoire includes all forms of contemporary music, including current and classic pop, rock, country and R&B.

The evening’s lineup will also feature a few of the many talented student artists who write and play their own music.
**EXCURSIONS**

According to *Billboard Magazine*, Memphis is mentioned in more songs than any other city in the world. One visit to Memphis, and you will know why! But there’s more to Memphis than its music—Memphis is also an iconic destination for the civil rights movement. NCUR attendees have three choices for an excursion in the afternoon on Saturday, April 8, from 1:30 - 4:30 pm: the National Civil Rights Museum, Elvis’ Graceland, and the STAX Museum and Sun Studio.

All costs include entrance fees and transportation. Tickets can be purchased on-site at the conference registration site in the FedEx Institute of Technology.

**National Civil Rights Museum ($25)**

Visit the site of the Lorraine Motel where Dr. Martin Luther King Jr. was assassinated on April 4, 1968. The museum features multi-media and interactive exhibits that chronicle the civil rights movement from the 17th century to the present, and also includes Room 306, the hotel room Dr. King was staying in at the time of his death. Next, visit the museum’s Legacy Building (the boarding house from where the assassin’s shot was allegedly fired) to learn more about the case against James Earl Ray, and the ensuing conspiracy theories.

**Graceland Tour ($70)**

Put on your Blue Suede shoes and pay homage to the King of Rock ‘n’ Roll at Graceland, the sprawling white-columned mansion situated on a 13-acre estate that Elvis called home from 1956 to 1977. See the home’s over-the-top decor and view the infamous Jungle Room, along with the music room, TV room, living room, and parents’ bedroom. The Archives Experience will allow you to see rare artifacts, such as Elvis’ costumes, photographs, documents and film clips. The final stop is in the Meditation Garden where Elvis and his family members have been laid to rest. This tour also includes Elvis’ automobiles and airplanes.

**Tour 3: Memphis Means Music Tour (STAX Museum and Sun Studio) ($30)**

Come to Soulsville, USA to experience the home of soul music and the place where Rufus Thomas, Otis Redding, Isaac Hayes and others cut ground-breaking records. The museum tour takes visitors through exhibits highlighting the roots of soul, STAX beginnings, and several recording studios. You’ll also have the opportunity to behold Isaac Hayes’ glittering custom Cadillac Eldorado which is fully equipped with unique amenities like a television, 24-carat gold exterior and white fur carpeting. Finally, we invite you to “shake what your mama gave you” on the Express Yourself dance floor.

Then it is on to Sun Studio. Sam Phillips opened Sun Studio in 1950 and launched the careers of Elvis Presley, Johnny Cash, Jerry Lee Lewis, B.B. King, Roy Orbison, and many others. There’s a saying at Sun Studio: “If music was a religion, then Memphis would be Jerusalem and Sun Studio its most holy shrine.” Visit Sun Studio to find out why.
Faculty Administrator Network (FAN Sessions)

FAN Oral Session A -
Thu 12:20pm-1:20pm
Fogelman Classroom Building 262

12:20-1:20 p.m.
A Crowd Sourcing-Funding Platform for Leveraging Value of Undergraduate Research
Michael Zelin, Arkansas State University

FOGELMAN CLASSROOM BUILDING 360
12:20-1:20 p.m.
Curricular Integration Through Incrementalism: The Slow Growth and Eventual Institutional Success of Westminster College’s Undergraduate Research and Arts Celebration
Timothy Cuff, Westminster College

FOGELMAN CLASSROOM BUILDING 365
12:20-1:20 p.m.
Supporting Underrepresented Students and Ensuring Equitable Access to Undergraduate Research
Jenny Shanahan, Bridgewater State University

FOGELMAN CLASSROOM BUILDING 370
12:20-1:20 p.m.
Making Research Authentic: Data Collection in an Undergrad Special Education Program
Kymberly Harris, Georgia Southern University

FAN Oral Session B -
Fri 8:00am-9:00am

FOGELMAN CLASSROOM BUILDING 261
8:00-9:00 a.m.
Research, Retention, and Millennials: Use of Social Media Marketing in Engaging Underrepresented Minority Millennials in Undergraduate Research Initiatives
Erin Lynch-Alexander, Austin PEAY State University

FOGELMAN CLASSROOM BUILDING 262
8:00-9:00 a.m.
Community-Based Participatory Research: Innovative Research Collaboration Between City Government Leaders and Students of Architecture and Planning to Inform and Facilitate Critical Policymaking
Jimmie Tucker, University of Memphis

FOGELMAN CLASSROOM BUILDING 263
8:00-9:00 a.m.
Adoption and Implementation of a Robust Approach to Evaluating Intensive Undergraduate Research Programs: Update on the EvaluateUR Project
Elizabeth Ambos, Council on Undergraduate Research

FOGELMAN CLASSROOM BUILDING 360
8:00-9:00 a.m.
Different Disciplinary Strategies of Engaging Student in Undergraduate Research
Kevin Ayers, Radford University

FOGELMAN CLASSROOM BUILDING 365
8:00-9:00 a.m.
Envisioning, Implementing, and Assessing a Required Undergraduate Research Program in Biology
Jennifer Thomas, Belmont University

FAN Oral Session C -
Sat 8:00am-9:00am

FOGELMAN CLASSROOM BUILDING 261
8:00-9:00 a.m.
Launching a Summer Research Program for Incoming Freshmen: Research Scholars at Western Carolina University
April, Western Carolina University

FOGELMAN CLASSROOM BUILDING 262
8:00-9:00 a.m.
Methods for Blending Research and Curriculum to Enhance Student Learning
Jonathan Gallimore, Embry-Riddle Aeronautical University
FOGELMAN CLASSROOM BUILDING 263
8:00-9:00 a.m.
Integrating Research into the Curriculum: Creating Opportunities for Students’ Signature Work
Hasitha Mahabaduge, Georgia College and State University

FOGELMAN CLASSROOM BUILDING 360
8:00-9:00 a.m.
On An Honors Undergraduate Research Course, A Link with Capstone Design Experience
Amar Khoukhi, Zayed University

FOGELMAN CLASSROOM BUILDING 365
8:00-9:00 a.m.
Science Outreach as Service Learning to Improve Diversity and Inclusion
K Karnas, Cedar Crest College

FOGELMAN CLASSROOM BUILDING 370
8:00-9:00 a.m.
Uncovering Innovative Partnerships for Undergraduate Research
Karla Lassonde, Minnesota State University, Mankato

FOGELMAN CLASSROOM BUILDING 381
8:00-9:00 a.m.
Community College Undergraduate Research Initiative (CCURI): Building Success Through CUREs and Collaborations
Heather Bock, Finger Lakes Community College
Student Performing Arts Session 1 - Thu 11:00am-12:00pm

COMMUNICATION AND FINE ARTS 124
Dance Choreography and Performance
11:20-11:40 a.m.
Anxiety: Mental Illness and Contemporary Dance Performance
Bailey Burns, University of Central Oklahoma

11:40 a.m.-12:00 p.m.
Behind Closed Doors
Laura Cook, California University of Pennsylvania

MUSIC BUILDING HCH
Music
11:00-11:20 a.m.
Transformation of the Nightingale: Two Interpretations of Milton Babbitt’s Philomel
Konrad Malinowski, Elmhurst College

Music Performance
11:40 a.m.-12:00 p.m.
Decoding the Analytical Envelope of Alan Theisen’s “Sonata No. 2”
Andrew Hutchens, Western Carolina University

Student Performing Arts Session 2 - Thu 12:20pm-1:20pm

COMMUNICATION AND FINE ARTS 124
Dance Choreography and Performance
12:20-12:40 p.m.
By Sharing Nothing We Reveal Everything
Deveny Miles, Luther College

12:40-1:00 p.m.
Can Trio A Be Perceived as a Meaningful and Performative Dance?
Kelly Dawson, Luther College

MUSIC BUILDING HCH
Music Performance
12:20-12:40 p.m.
Elvis and I
Kayla Grimm, California University of Pennsylvania

12:40-1:00 p.m.
Prelude and Fugue for Saxophone Quartet
Tanner Cassidy, North Central College

Student Performing Arts Session 3 - Thu 1:40pm-2:40pm

COMMUNICATION AND FINE ARTS 124
Dance Choreography and Performance
1:40-2:00 p.m.
Outsourcing Movement
Mia Martelli, State University of New York-Brockport

2:00-2:20 p.m.
Takara’s Baby: Captivity and Personality Disorders Through Dance Inquiry
Rebekah Wallace, University of Central Oklahoma

MUSIC BUILDING HCH
Music Performance
1:40-2:00 p.m.
Two Bicycles
Chris Prather, University of Central Oklahoma

2:00-2:20 p.m.
Violin Concerto and Chamber Music of Haydn and Mozart
Calvin Cheung, State University of New York-Oswego
Student Performing Arts Sessions

Music
2:20-2:40 p.m.
Perceptual Thresholds as a Framework for Rhythm: the Music of Steve Lehman
Konrad Malinowski, Elmhurst College

Student Performing Arts Session 4 - Thu 3:00pm-4:00pm

COMMUNICATION AND FINE ARTS 124
Theatre/Drama
3:00-3:20 p.m.
“The New Lens of Normality: An Exploration of Queer Representation in Fairytales.”
Dylan Carter, Kennesaw State University

3:20-3:40 p.m.
Far from Normal
Jesus Martinez, North Central College

MUSIC BUILDING HCH
Music
3:00-3:20 p.m.
An Analysis of Wagnerian Leitmotifs
Andrew Byrd, Appalachian State University

3:20-3:40 p.m.
Music Composition Through Genetic Sequencing
Emily Fishel, Eastern Washington University

Student Performing Arts Session 7 - Fri 1:20pm-2:20pm

COMMUNICATION AND FINE ARTS 124
Dance History and Theory
1:40-2:00 p.m.
The (Hi)stories of African American Improv Traditions
Bryanna Bradley, Massachusetts College of Liberal Arts

Dance Choreography and Performance
2:00-2:20 p.m.
The Hum Project
Simon Phillips, Kennesaw State University

Student Performing Arts Session 8 - Fri 2:40pm-3:40pm

COMMUNICATION AND FINE ARTS 124
Theatre/Drama Performance
3:00-3:20 p.m.
Authenticity, Empathy, and the “Reality of Doing” in Love & Information
Olivia Wells, University of Central Oklahoma

Student Performing Arts Session 9 - Fri 4:00pm-5:00pm

COMMUNICATION AND FINE ARTS 124
Theatre/Drama Performance
4:00-4:20 p.m.
No More: A Physical Exploration of Gender and Sexuality in Political Theatre
Gabrielle Glidewell, University of Central Oklahoma

4:20-4:40 p.m.
Our Orphan Train
Elisabeth Markman, University of Wisconsin - Milwaukee

4:40-5:00 p.m.
Signs and Wonders: A Docudrama
Joseph McGuire, University of Memphis
Student Visual Arts Sessions

Student Visual Arts Exhibit Session 5 - Fri 9:00am-10:00am

**ART AND COMMUNICATION 310**
Visual Arts
9:20-9:40 a.m.
One Hundred Eighty Degrees
Marissa Wallace, Westmoreland County Community College

**ART AND COMMUNICATION 314**
Visual Arts
9:00-9:20 a.m.
Exploring Modern Sterility Through Cast Multiples
Nicole Webb, Kennesaw State University

9:20-9:40 a.m.
Generations of Influence
Adam Lose, Jacksonville University

9:40-10:00 a.m.
Illustrating Medicine
Grace Sacher, University of Wisconsin - River Falls

**ART AND COMMUNICATION 317**
Visual Arts
9:00-9:20 a.m.
The Turner Project
Hannah Jacobs, Hope College

9:20-9:40 a.m.
Two Houses, Two Homes: A Visual Exploration of the Stories of Children of Separated Parents
Sara Louie, Macaulay Honors College at CUNY

9:40-10:00 a.m.
Violence as a Tool of Social Control Explored Through Methods of Experimental Animation
Jacob Jones, University of Central Oklahoma

Student Visual Arts Exhibit Session 6 - Fri 12:00pm-1:00pm

**ART AND COMMUNICATION 247**
Visual Arts
12:40-1:00 p.m.
“Exploring Hmong Patterns Through Chasing and Repousse on Silver”
Ger Xiong, University of Wisconsin - Whitewater

**ART AND COMMUNICATION 314**
Visual Arts
12:00-12:20 p.m.
Tracing Autism
Vidushi Sinha, University of Alabama at Birmingham

12:20-12:40 p.m.
ITALY: The Imagination Awakened
Gabrielle Sapata, Xavier University

12:40-1:00 p.m.
Mirrors and Lights
Trudy Goff, University of Memphis

**ART AND COMMUNICATION 317**
Visual Arts
12:00-12:20 p.m.
ProjectSex
Colin Hang Ren, Colgate University

12:40-1:00 p.m.
A Virtual Resurrection of the Queen Anne’s Revenge
Lilibeth Roman, William Peace University
<table>
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<th>Time</th>
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| 1:40-2:00 p.m. | The Impact of Vlogging on Modern Web Based Media  
Alexander Parmley, University of Kentucky |
| 2:00-2:20 p.m. | Witch Without A Wand  
Andrew Burgess, Eastern Washington University |
| 1:40-2:00 p.m. | A Creative Response to Milton Becerra  
Mary Avery, Capital University |
| 2:00-2:20 p.m. | A Perspective Through Light  
Stephanie Curry, University of Memphis |
| 3:00-3:20 p.m. | A Visual Palimpsest: Object Memories Through Hybrid-Identity  
Pauline Shongov, Cornell University |
| 3:20-3:40 p.m. | Applications of 3D Printing in Art  
Giovanna Diaz Fabiani, North Central College |
| 1:20-1:40 p.m. | (Un)Natural Selection  
Lydia Reagan, Xavier University |
| 1:40-2:00 p.m. | 3D Imaging and Micro Expressions  
Zachary Machado, University of Central Florida |
| 2:00-2:20 p.m. | A Creative Response to Milton Becerra  
Mary Avery, Capital University |
| 1:20-1:40 p.m. | Photographs as Memory: A Multimedia Investigation of Alzheimers Disease  
Tess Cramer, Utah State University |
| 2:00-2:20 p.m. | Applications of 3D Printing in Art  
Giovanna Diaz Fabiani, North Central College |
| 2:00-2:20 p.m. | Outcry: Mixed Media Works Examining Gendered Offenses  
Hannah Smith, Xavier University |
| 1:20-1:40 p.m. | Genius Overlooked: A Biographical Documentary on Tom Chromek  
Maria Coughanour, Westmoreland County Community College |
| 1:40-2:00 p.m. | Photographs as Memory: A Multimedia Investigation of Alzheimers Disease  
Tess Cramer, Utah State University |
Student Visual Arts Sessions

3:00-3:20 p.m.
Portraits of Unknown
Will Lopez, Black Hills State University

3:20-3:40 p.m.
Reference Points for Intimacy
DaHee Son, University of Kentucky

Student Visual Arts Exhibit Session
9 - Fri 4:00pm-5:00pm

ART AND COMMUNICATION 247
Visual Arts
4:00-4:20 p.m.
Black Male
Jarvis Boyland, University of Memphis

4:20-4:40 p.m.
Continuous Experimentation
Robert Fairchild, University of Memphis

4:40-5:00 p.m.
Copy and Paste the American Dream
Laura (LJ) Perry, University of Memphis

ART AND COMMUNICATION 314
Visual Arts
4:20-4:40 p.m.
The Meaning of the Work of Art in the Age of Mechanical Mastery
Lilo Kuo, Macaulay Honors College at CUNY

4:40-5:00 p.m.
The Tri-universe: Society and Personal Identity as Told Through Narrative Prints and Mixed Media Illustrations
Clare Dunn, Xavier University
Student Oral Session 1 - Thu 11:00am-12:00pm

ART AND COMMUNICATION 247
Music
11:00-11:20 a.m.
“Shahida:” The Cries of a Nation
Lacie Gilliam, University of North Georgia

Theatre/Drama
11:20-11:40 a.m.
The Octoroon: The Black, The White, and A Choice of Color
Marcia Harvey, Kennesaw State University

ART AND COMMUNICATION 257
Art History
11:00-11:20 a.m.
Constructing Community: the Performance Art of Laurie Anderson
Chava Krivchenia, University of North Carolina - Asheville

11:20-11:40 a.m.
“Befreit Euch Von Der Genitalpanik!”: VALIE EXPORT and Feminist Actionism
Jennifer Dally, Occidental College-

11:40 a.m.-12:00 p.m.
Accessibility in Art Museums: Progress in Educational Programming
Katherine Feldkamp, Truman State University

ART AND COMMUNICATION 310
Art History
11:00-11:20 a.m.
The Glorious Muslim Time Machine: Fine Arts Progress in a Time of Nostalgia
Quinn Westlake, Juniata College

11:20-11:40 a.m.
The Jade Emperor: Identifying a Chinese Ceramic Sculpture
Mackenzie Knight, Iowa State University

11:40 a.m.-12:00 p.m.
The Mummy Portrait of Sarapon from Fayum
Madeline Beck, Kennesaw State University

ART AND COMMUNICATION 314
Theatre/Drama
11:00-11:20 a.m.
“Go Ahead And Free Yourself”
DeShon Green, Kennesaw State University

11:20-11:40 a.m.
“‘Round in Circles I’d Go”: An Exploration of the Psychosocial and Metaphysical Ramifications of Rotation in Rodgers and Hammerstein’s Carousel
Samantha Tirrell, Russell Sage College

11:40 a.m.-12:00 p.m.
Creating Dialogue About Sexual Education Through the Musical Spring Awakening
Miranda Harris, North Central College

COMMUNICATION AND FINE ARTS 124
Dance Choreography and Performance
11:00-11:20 a.m.
A-Town Quiver: An Ethnography on Contemporary Atlanta Dance
Simone Stevens, Kennesaw State University

DUNN HALL 103 / 105
African American Studies
11:00-11:20 a.m.
I’m Not a White Girl, So Don’t Try to Make Me One
Tierica Gibson, University of Memphis

11:20-11:40 a.m.
Beyond Say: Water, Spirituality, and the Womanist Autoethnography in Beyoncé’s Lemonade
Aquila Campbell, Armstrong State University

11:40 a.m.-12:00 p.m.
Case of the Lost Negro
Jaidha Lindsay, University of Memphis
### Student Oral Session 1 - Thu 11:00am-12:00pm

#### DUNN HALL 107
**Education**

**11:00-11:20 a.m.**  
*Autism, Abstracted: Disease, Disorder, or Disability?*  
Laura Benasaraf, Macaulay Honors College at CUNY

#### DUNN HALL 109
**Archeology**

**11:00-11:20 a.m.**  
*Analysis of Prehistoric Tool-Stone Workability in Direct Relation to Different Tool Stone Treatment Processes*  
Robert Sinowetski, University of Memphis

**11:20-11:40 a.m.**  
*Bring Out Your Dead: Spatial Orientation of Black Death Burials in Medieval Europe*  
Maggie Sullivan, University of Evansville

**11:40 a.m.-12:00 p.m.**  
*Domestic Practices of Families on the American Frontier; Historic Material Analysis of Plum Island Lighthouse*  
Camille Warnacutt Warnacutt, Hamline University

#### DUNN HALL 119 / 121
**Biochemistry**

**11:00-11:20 a.m.**  
*Expanded KIX-CBP Domain Parameters and Investigation of Binding Characteristics*  
Melissa Penton, East Central University

**11:20-11:40 a.m.**  
*Identification of Vaginal Bacterial Species That Are Mutually and Differentially Antagonistic with Strains of Candida albicans*  
Andrea Prenkocevic, Wayne State University

**11:40 a.m.-12:00 p.m.**  
*Investigation of Product Dissociation Pathways for B. stearothermophilus DNA Polymerase I*  
Gene Cline, Truman State University

#### DUNN HALL 123/125
**Biology**

**11:00-11:20 a.m.**  
*Eastern Bluebird Fecal Sacs*  
Carmen Mesa, Guilford College

**11:20-11:40 a.m.**  
*Effects of Hibernation on the Enteric Nervous System of Thirteen-lined Ground Squirrel Colon*  
Kathryn Thompson, University of Wisconsin - La Crosse

**11:40 a.m.-12:00 p.m.**  
*Effects of Methylphenidate (Ritalin) on the Survival and Maturation of an in Vitro Model of Immature Human Neurons*  
Jessica Graham, Elon University

#### DUNN HALL 124
**Cell & Molecular Biology**

**11:00-11:20 a.m.**  
*Characterization of Luminal and Basal-like Breast Cancer Cells in Relation to BCL11A Genomic Editing*  
Alexis Corcoran, University of Northern Colorado

**11:20-11:40 a.m.**  
*Effects of Cell Stress and Low Density Lipoprotein Concentration on the Localization of Amyloid Precursor Protein*  
Anna Tarren, Ithaca College

**11:40 a.m.-12:00 p.m.**  
*A Pilot Study of Plasma Cell-free Mitochondrial DNA Copy Number as a Biomarker of Frailty in Hematopoietic Cell Transplantation*  
Erin Cassidy, University of Minnesota, Twin Cities

#### DUNN HALL 129
**Cell & Molecular Biology**

**11:00-11:20 a.m.**  
*Significance of the CUL3 Gene in the Metabolic Activity and Phenotype of HCT116 Colorectal Cancer Cells*  
Farhoud Golafshan, Hamline University, St. Paul
Student Oral Session 1 - Thu 11:00am-12:00pm

11:20-11:40 a.m.
Targeting the Metabolism of Acute Lymphoblastic Leukemia in the Bone Marrow Microenvironment
Patrick Thomas, West Virginia University

DUNN HALL 249 / 251
Biology
11:00-11:20 a.m.
Origin of the Invasive Boa Constrictor on St. Croix
Israel Golden, University of North Carolina - Asheville

11:20-11:40 a.m.
Pelvic Sexual Dimorphism in Modern Birds (Aves: Neornithes) and Its Evolutionary Relationship with Relative Egg Size
Kevin Surya, Montana State University Bozeman

11:40 a.m.-12:00 p.m.
Phenology and Reproduction of the Gynodioecious Flowering Plant, Silene acaulis
Lucas Piedrahita, Appalachian State University

DUNN HALL 225 / 227
Chemistry
11:00-11:20 a.m.
Determination of Microcystin-LR in Municipal Water Using HPLC-UV/Vis
Alyssa Melvin, Gannon University

11:20-11:40 a.m.
Effect of Hydroxylation on Anthocyanin-based Dye Sensitized Solar Cells
Jordan Wilson, University of Montevallo

11:40 a.m.-12:00 p.m.
Effects of Atmospheric Acid Reduction on Water Chemistry of Three Virginia Trout Streams
Kevin Pyszka, James Madison University

DUNN HALL 233
Mathematics
11:00-11:20 a.m.
Anti-van Der Waerden Numbers on Grid Graphs
Hunter Rehm, University of Wisconsin - La Crosse

11:20-11:40 a.m.
Ordering and Self-Similarity in Non-Binary Trees
Nicholas Cleymaet, University of Nevada, Reno

11:40 a.m.-12:00 p.m.
Short Term Mean Reversion Through a Discrete Lens
Joseph Lim, Indiana University

ENGINEERING SCIENCE BUILDING 218
Biomedical Engineering
11:00-11:20 a.m.
A Comparison of Frontal and Sagittal Plane Axisymmetric Finite Element Models of the Left Ventricle
Arlynn Baker, Western Carolina University
11:20-11:40 a.m.
An Experimental Investigation Toward Ultrasound-Responsive Shape Memory Polymer-Based Mechanisms
Jerry Stieg, Virginia Polytechnic Institute & State University

11:40 a.m.-12:00 p.m.
Antibiotic Loaded Magnetic Microbeads for Use as a Local Drug Delivery System
David LeVine, University of Memphis

ENGINEERING SCIENCE BUILDING 220
Civil Engineering
11:00-11:20 a.m.
Effects of Non-Structural Components on Vibration Serviceability of Building Structures
Maria Carotti, Virginia Polytechnic Institute & State University

11:40 a.m.-12:00 p.m.
Investigation of Modulus of Elasticity and Surface Electrical Resistivity in High Performance Concrete Using Natural Zeolite
Nidhi Modha, California State University, Fullerton

ENGINEERING SCIENCE BUILDING 222
Engineering/Engineering Technology
11:00-11:20 a.m.
Designing a Smart Walker for Older Adults
Beth Lester, Elon University

11:40 a.m.-12:00 p.m.
Fabrication of Strong and Lightweight Metamaterials Through a Combination of Advanced and Traditional Manufacturing Processes
Christian Dao, Lamar University

ENGINEERING SCIENCE BUILDING 311
Mechanical Engineering
11:00-11:20 a.m.
Physics Based Modeling of Fibrous Insulation Using Comparative Cut-Bar Experimentation
Marcus Ivran, University of Kentucky

11:20-11:40 a.m.
Sensitivity Analysis of a Circular and Square Piezoresistive Pressure Sensor for MEMS Applications
Blaine Wagner, Eastern Washington University

11:40 a.m.-12:00 p.m.
Surface Modification of Laser Metal Deposited Ti-6Al-4V +10%Mo for Biomedical Applications
Arianna Ziemer, Milwaukee School of Engineering

FOGELMAN CLASSROOM BUILDING 119
Management
11:00-11:20 a.m.
Rigorous Project Management in a Creative Environment
Bryan Nahrwold, Utah Valley University

11:20-11:40 a.m.
The Impact of Entrepreneurial Orientation on Value Creation for Stakeholders: A Longitudinal Study of S & P 500 Companies
Sara Antony, Hamline University

11:40 a.m.-12:00 p.m.
The Outsider: Alan Mulally’s Leadership at Ford Motor Company
Drew Larabee, Corban University

ENGINEERING SCIENCE BUILDING 125
Entrepreneurship
11:40 a.m.-12:00 p.m.
Development of an Integrated, Consolidated University Resource Platform
Danielle van der Eijk, Florida International University

Management
11:00-11:20 a.m.
Interviewer Judgments of Applicants with Criminal Record: A Qualitative Study of Human Resource Managers Employed in Ban the Box States.
Jonathan Resende-Barros, Bridgewater State University

11:20-11:40 a.m.
On the Road: Opportunities and Threats for Chinese Enterprises Under the “One Belt One Road” Strategy
Zishan Xue, Bridgewater State University

FOGELMAN CLASSROOM BUILDING 119
Civil Engineering
11:00-11:20 a.m.
Rigorous Project Management in a Creative Environment
Bryan Nahrwold, Utah Valley University
Student Oral Session 1 - Thu 11:00am-12:00pm

FOGELMAN CLASSROOM BUILDING 127
Economics
11:00-11:20 a.m.
Alleviating the Wage Penalty, the Effect of Regular Exercise on Wages of Overweight Women
Elizabeth Williams, Black Hills State University

11:20-11:40 a.m.
Alternatives to the Minimum Wage: Tax Subsidies in an Experimental Labor Market
Luke Lebsack, Westmont College

11:40 a.m.–12:00 p.m.
Are the Rich Getting Richer and the Poor Poorer?
Allison Harvey, Eastern Washington University

FOGELMAN CLASSROOM BUILDING 131
Economics
11:00-11:20 a.m.
Out of School and Out of Work (Ninis) and Their Hindrance to Economic Growth: The Case of Guatemala
Alicia Brizuela, George Mason University

11:20-11:40 a.m.
Oxen as Draft Animals in the Agricultural System of Nicaragua
Rodrigo Mireles, Midwestern State University

11:40 a.m.–12:00 p.m.
Parallels Amidst Chaos: Examining Consumer Choices in Reaction to Brexit and the 2016 U.S. Presidential Election
Madalyn Lynch, Seattle University

FOGELMAN CLASSROOM BUILDING 133
Hospitality and Resort Management
11:00-11:20 a.m.
Effects of Service Quality on Hotel Class
Victoria Joosten, University of West Florida

11:20-11:40 a.m.
Hotel Price Competition Between Fort Walton and Pensacola
Rachel Anderson, University of West Florida

FOGELMAN CLASSROOM BUILDING 259
Nursing
11:00-11:20 a.m.
An Analysis of Undergraduate Student Reflections in a Cultural Diversity Course: Preparing Future Nurses to Provide Culturally Safe Care
Rosetta Washington, University of Wisconsin - Milwaukee

11:20-11:40 a.m.
Comparative Study of Mental Illness in the United States Compared to Developing Countries
Megan Hossler, University of West Florida

11:40 a.m.–12:00 p.m.
Cuddling as an Alternative Treatment for Heroin Withdrawal Symptoms in Infants
Tesiya Franklin, Virginia Commonwealth University

FOGELMAN CLASSROOM BUILDING 261
Physics
11:00-11:20 a.m.
Development and Characterization of Phosphor-doped Silica Aerogel as a Thermographic Sensor
Katherine Mitchell, University of Memphis

11:20-11:40 a.m.
Dielectric Anisotropy, Elastic Constants, and Threshold Voltage Measurements of Gold-nanoparticle Colloids in Nematic SCB
Angelo Visco, Slippery Rock University

11:40 a.m.–12:00 p.m.
Are the Rich Getting Richer and the Poor Poorer?
Allison Harvey, Eastern Washington University

FOGELMAN CLASSROOM BUILDING 262
Public Health
11:00-11:20 a.m.
Assessing Food Insecurity at Northern Illinois University
Lexie Williams, Northern Illinois University

11:20-11:40 a.m.
Assessing Pregnancy Prevention and Vocational Needs of South African Adolescents and Young Adults: A Community-Based Participatory Approach
Nosipho Shangase, Elon University
**Student Oral Session 1 - Thu 11:00am-12:00pm**

**JONES HALL 200**

**Education**

11:00-11:20 a.m.

"No Homo, Bro": Sexuality and Its Perception in the High School Environment
Jacob Cole, Luther College

11:20-11:40 a.m.

A Comprehensive Study of Attributes Found Within Accomplished Middle School Band Programs
Jacqueline Messinetti, University of Tennessee at Knoxville

11:40 a.m.-12:00 p.m.

Addressing the Gaps in Services and Supports a Comprehensive Regional University Offers for Students Who Have Experienced Trauma.
Ashley Ellison, Eastern Washington University

**FOGELMAN CLASSROOM BUILDING 263**

**Public Health**

11:20-11:40 a.m.

Welcome to My World; A Mix-Method Study of Parents’ Lived Experiences in Raising Children with Primary Lymphedema
Lauren Ramsey, Miami University

**FOGELMAN CLASSROOM BUILDING 264**

**International Studies**

11:20-11:40 a.m.

Art as a Tool of Community Integration: The Case of Irregular Immigrants from Sub-Saharan Africa Living in Rabat, Morocco
Gioia Berlin, Long Island University

11:40 a.m.-12:00 p.m.

Buddhist Nationalism and Its Influence on Intergroup Conflict in Sri Lanka and Myanmar
Phoebe Lemon, George Mason University

**FOGELMAN CLASSROOM BUILDING 265**

**International Studies**

11:00-11:20 a.m.

The Western War on the Middle Eastern Front
Angela Grate, Capital University

11:20-11:40 a.m.

Through the Prism of 'Blackness': Contemporary Migration and Race Relations in Rabat, Morocco
Eva Blanc, Long Island University

11:40 a.m.-12:00 p.m.

Thucydides’ Methodology: Political Rhetoric and Human Behavior in Realist International Relations Theory
Michael Galfetti, George Mason University
11:40 a.m.-12:00 p.m.
Masters of Conviction: Watchmen’s Rorschach as a Commentary on Anti-Establishment Themes in Bob Dylan’s The Freewheelin’ Bob Dylan
Erika Schoeps, Capital University

JONES HALL 218
Literature
11:00-11:20 a.m.
Thread and Verse: Situating the Garment Weaver in Greek Epic
Mason Barto, Brooklyn College

Poetry & Creative Writing
11:20-11:40 a.m.
“I Can Hold Your Hand When You’re Dead”: A Creative Analysis of Personal Poetic Development
Sebastián Maldonado-Vélez, Truman State University

11:40 a.m.-12:00 p.m.
Blood for Blood’s Sake: A Short Collection of Poetry
Rebecca Grischow, Valparaiso University

JONES HALL 226
English
11:00-11:20 a.m.
Benefits of Integrated Writing Across the Disciplines Pedagogy in a Mid-Level Geomorphology Course
Jenna Murphy, North Dakota State University (Nlt)

11:20-11:40 a.m.
Agents of Usurpation: Tracing the Conquests for Legitimacy of Shakespeare’s Ambitious Villains
Thomas Simonson, University of North Carolina, Charlotte

11:40 a.m.-12:00 p.m.
Blending Fact and Fiction with Continuing Conversations: The Necessity of Afterwards in Biographical Fiction for Children and Young Adults
Zoe Blumhardt, University of Minnesota - Morris

JONES HALL 239
English
11:00-11:20 a.m.
Subjectivity, Authenticity, and the Contextualized Body
Rachel Crawford, Meredith College

11:20-11:40 a.m.
Sustaining Well-Being in an Electromagnetic Environment: A Rhetorical Analysis
Brooke Wallington, Hamline University, St. Paul

11:40 a.m.-12:00 p.m.
Teaching For Transfer: Ensuring Student Success in Genre Awareness
Jane Kidder, Seattle University

JONES HALL 243
English
11:00-11:20 a.m.
Wordsworth’s Aesthetics
Kevin Reynolds, Bridgewater State University

11:20-11:40 a.m.
YouTube Is the New Closet
Matthew Bailey, University of Memphis
**JONES HALL 249**

**English**

11:20-11:40 a.m.

*Lack of Enlightenment: Female Characterization in Gothic Novels*

Kaylee Lamb, Black Hills State University

11:40 a.m.-12:00 p.m.

*"The Fame of This Marueylyous Mayden Was So Spread Abroade": Elizabeth Barton and the Manipulation of the Female Saint’s Voice*

Elissa Branum, John Brown University

**MANNING HALL 222**

**History**

11:00-11:20 a.m.

*From Roanoke to East Lansing: Charlie Thornhill and College Football’s “Underground Railroad.”*

Taylor Briese, Roanoke College

11:20-11:40 a.m.

*From the Twelfth Century to the Twentieth: King Arthur’s Transformative Journey to the American Cinema*

Alice Grissom, University of Alabama at Birmingham

11:40 a.m.-12:00 p.m.

*From Thomas Jefferson to Donald Trump: The Recurring Muslim Xeno-Archetype in American Politics and Government*

Christopher Saladin, Augustana College

**MANNING HALL 202**

**Physical/Occupational Therapy/Speech Language Pathology**

11:00-11:20 a.m.

*Comparison of Various Technologies in the Acquisition of Speech Samples for Transcription Purposes: Listener Perception vs. Acoustic Analysis of Signal Quality*

Alexa Klimes, University of Northern Iowa

11:20-11:40 a.m.

*Complementary and Alternative Medicine Uses in Physical Therapy*

Hayden Jinright, University of Kentucky

11:40 a.m.-12:00 p.m.

*The Representation of the LGBTQ Community in Media and Their Societal Impact*

Cynthia Zelmore, California University of Pennsylvania

**MANNING HALL 204**

**History**

11:00-11:20 a.m.

*Peter vs. Charles: The Russian Peter the Great vs. Charles XII of Sweden in the Great Northern War*

Loren Carrica, University of Nebraska at Kearney

11:20-11:40 a.m.

*"I Am Off to the Fire Filled with Courage and Enthusiasm": German American Soldiers in the Civil War*

Richard Maska, Lewis University

11:40 a.m.-12:00 p.m.

*"The Fame of This Marueylyous Mayden Was So Spread Abroade": Elizabeth Barton and the Manipulation of the Female Saint’s Voice*

Elissa Branum, John Brown University

**MANNING HALL 318**

**Communications**

11:00-11:20 a.m.

*The Bro Code: Masculinity Construction and Communication in How I Met Your Mother*

Cameron Brown, University of Memphis

11:40 a.m.-12:00 p.m.

*Aristotle’s Poetics and The Rocky Horror Picture Show*

Alison Russell, Western Carolina University

**MANNING HALL 320**

**Communications**

11:00-11:20 a.m.

*The Representation of the LGBTQ Community in Media and Their Societal Impact*

Cynthia Zelmore, California University of Pennsylvania

11:20-11:40 a.m.

*Uncertainty Within Relationships Between Resident Advisors and Residents*

Elizabeth Diviney, Wayne State University
11:40 a.m.-12:00 p.m.
Understanding Why: A Creative Analysis of Four Social Media Content Producers And How Company Values Distinguish Their Unique Video Style and Tone
Morgan Horell, Juniata College

MANNING HALL 417
Computer Engineering
11:00-11:20 a.m.
Hardware Implementation of Synapse Using Memristors
Ted Ferguson, University of Kentucky

Computer Science
11:20-11:40 a.m.
Tour City of Jacksonville Mobile Application
Cindy Leong, Jacksonville University

Sociology
11:40 a.m.-12:00 p.m.
Yo’ Mama’s Civil Rights Movement
Terron Davis, City University of New York- Brooklyn College

MEEMAN JOURNALISM 106
Political Science
11:40 a.m.-12:00 p.m.
Memories of Us: National Myths and the Emergence of Xenophobia in American Anti-establishmentarianism
E Dalgo, American University

MEEMAN JOURNALISM 112
Political Science
11:00-11:20 a.m.
Les Misérable: The Syrian Refugee Crisis and The French’s Response
Olivia Britton, Union College

MANNING HALL 332
Religious Studies
11:20-11:40 a.m.
Prometheus Bound to Euromarxism: Christ and Exteriority in Latin American Liberation Theology
Casey Aldridge, University of North Carolina, Charlotte

11:40 a.m.-12:00 p.m.
Reclaiming Hope in the Gospel of Mark
Andrea Bonneville, Concordia College - Moorhead

MANNING HALL 340
History
11:20-11:40 a.m.
The National Museum of African American History and Culture: A History and Critique of a Museum 100 Years in the Making
Sarah Beer, University of Wisconsin - Eau Claire

11:40 a.m.-12:00 p.m.
The School Question: How the Blaine Amendments Shaped the Course of United States Education
Christopher Dailey, Susquehanna University

MANNING HALL 413
Computer Science
11:00-11:20 a.m.
Intelligent Software Application Using Directed Acyclic Graphs for Academic Schedule Advising and Management
Oumar Karaga, Fisk University

11:20-11:40 a.m.
Advanced Computer Vision Analysis of Microelectronic Imagery
Joshua Cannon, Indiana University

MANNING HALL 342
Computer Engineering
11:40 a.m.-12:00 p.m.
Applications of Predictive Modeling on the Appalachian Trail
Christopher Campell, Appalachian State University
11:20–11:40 a.m.
The Effects of Fiscal Control Boards: The Case of Puerto Rico
Claudia De Leon Dominguez, American University

11:40 a.m.–12:00 p.m.
"Development" Amidst Conflict: The Paradox of the Colombian Case
Daniel Del Bastro, Lipscomb University

MEEMAN JOURNALISM 204
Political Science
11:00–11:20 a.m.
The Violent Process of State-Building in Post-Colonial Africa
Meroua Zouai, Brooklyn College

11:20–11:40 a.m.
Two Steps Forward and One Step Back: An Assessment of How Uneven Economic Development Affects the Number of Civil Wars
Cassandra Scheiber, Gettysburg College

MUSIC BUILDING HCH
Music Performance
11:20–11:40 a.m.
Die Kleine Harlequinade: Synthesizing a Directing Education
Alexandra Saulsbury, University of Northern Iowa

PSYCHOLOGY BUILDING 204
Behavioral Neuroscience
11:00–11:20 a.m.
A Non-invasive Procedure for Measuring the P300 in Alcohol-Preferring (P) and Non-preferring (NP) Rats Trained to Perform an Auditory Oddball Task
Logan Brewer, University of Memphis

11:20–11:40 a.m.
Basolateral Amygdala Activity Evoked by Two Social Preference Challenges
Rosemary Pierce-Messick, Appalachian State University

PSYCHOLOGY BUILDING 206
Clinical Psychology
11:20–11:40 a.m.
Sociosexuality, Adult Relationship Attachment Style, and Current Relationship Satisfaction
Marisa LaBrecque-Grenier, Eastern Connecticut State University

11:40 a.m.–12:00 p.m.
Technology Use, Attachment Styles and Relationship Satisfaction Among Dating Couples
Brittany Chabot, Eastern Connecticut State University

PSYCHOLOGY BUILDING 244
Geography & Earth Sciences
11:00–11:20 a.m.
St. John’s River CCA Reef Project
Cassandra Veenstra, Jacksonville University

11:20–11:40 a.m.
Studying Rheology Using Cleavage Refraction in Quartz-rich Layered Rocks from Baraboo Wisconsin
Megan Grosse, University of Wisconsin - Milwaukee

PSYCHOLOGY AUDITORIUM A0200
Experimental Psychology
11:00–11:20 a.m.
“Oh My Goodness I’ve Found My Calling:” A Qualitative Study of Career Development of Psychologists Working in Cancer Care
Afton Nelson, Webster University

11:40 a.m.–12:00 p.m.
Bicultural Offspring and Identity Development: The Impact of Conflict Between Parents from Different Cultures
Amanda Araki, Dominican University of California
Student Oral Session 2 - Thu 12:20pm-1:20pm

ART AND COMMUNICATION 247
Music
12:20-12:40 p.m.
Amy Beach in Grand Rapids, Michigan, 1918
Ellen Messner, Hope College

1:00-1:20 p.m.
Benefits of Music Education: Worth the Fight?
Erin Ingram, Appalachian State University

ART AND COMMUNICATION 257
Art History
12:20-12:40 p.m.
An American Man: A Semiotic Analysis of Cultural Mythology in Photojournalism from the Iraq and Afghanistan Wars
Adam Courbin, Eastern Connecticut State University

12:40-1:00 p.m.
An Exploration of the Intersections of Artistic and Gender Marginalization Through the Works of L.J. Roberts
Mikaela Mehlrose, Wells College

1:00-1:20 p.m.
Art, Pollution & Social Practice
Martina Maya-Callen, Salisbury University

ART AND COMMUNICATION 310
Art History
12:20-12:40 p.m.
The Power of the Image: How Street Art and Street Media Can Reduce Tensions in Refugee Integration into Berlin
Brianna Stuczynski, Long Island University

12:40-1:00 p.m.
The Throne of Tutankhamun
Jenalle Saulsberry, University of Memphis

1:00-1:20 p.m.
The Transformation of the Bourgeois Female Gaze in Scenes at the Opera by Manet and Cassatt
Gia Pineda, Elon University

ART AND COMMUNICATION 314
Theatre/Drama
12:20-12:40 p.m.
Decoding the X: Discovering the Black Experience
Skylar Jackson, Kennesaw State University

12:40-1:00 p.m.
The Cherub’s Mask: Utilizing Personal Experience Within Dramatic Work
Jack Morsovillo, North Central College

1:00-1:20 p.m.
The Demographic Disconnect of Theatre
Nathaniel Gesualdo, Kennesaw State University

DUNN HALL 103 / 105
African American Studies
12:40-1:00 p.m.
Humanity on the Verge of Insanity: Discovering the Cause and Effects of Racial Discrimination Using the Concept of Ubuntu
Danica Skoric, Dominican University of California

1:00-1:20 p.m.
Making America “Great” Again: Confronting the Truth About the Narrative of Minorities
Natasha Popowich, University of the Pacific

DUNN HALL 107
Communications
12:20-12:40 p.m.
Lessons in La Dolce Vita
Chloe Lyden, Jacksonville University

12:40-1:00 p.m.
“Breathe In, Breathe Out:” Analyzing Communication Within a Yoga Class
Jimmy Scott, University of Central Oklahoma
1:00-1:20 p.m.
“Good God, Lemon:” Examining the Atypical Female in 30 Rock
Jennifer Walsh, Ithaca College

DUNN HALL 109
Archeology
12:20-12:40 p.m.
Individualistic Symbolic Imagery on Gravestones Reflects a Change in Societal Values
Meagan Fitzpatrick, San Jacinto College Honors Program

12:40-1:00 p.m.
Making Men Gods: The Precedence and Pursuit of Deification at Rome
Danielle Michele Vander Horst, University of Rochester

DUNN HALL 119 / 121
Biochemistry
12:20-12:40 p.m.
Optogenetic Control of ROS Production in C. elegans
Alicia Wei, University of Rochester

12:40-1:00 p.m.
Purification of LGN Protein for X-ray Crystallography
Autumn Smith, State University of New York-Brockport

1:00-1:20 p.m.
Structural Effects of Platinum Compounds on DNA
Brigid Jacob, Wayne State University

DUNN HALL 123/125
Biology
12:20-12:40 p.m.
Effects of Sodium Bicarbonate on Xanthomonas translucens
Joseph Wodarek, University of Minnesota - Crookston

1:00-1:20 p.m.
Establishment of a Piedmont Prairie by Disking and Seeding of Native Species
Elizabeth Barker, Elon University

DUNN HALL 124
Cell & Molecular Biology
12:20-12:40 p.m.
Anabolic Glucose Metabolism is Significantly Enhanced in Pancreatic Cancer During the Evolution of Distant Metastasis
Alexander Coley, University of South Alabama

12:40-1:00 p.m.
Anti-proliferative Effects of Epigallocatechin-gallate and Enoxacin on Cervical Cancer-derived Cells in Culture
Anna Margaret McDonnell, Belmont University

1:00-1:20 p.m.
Combining Natural Compound β-glucan with Immune Checkpoint Inhibitor Therapy to Promote Antitumor Immunity
Josephine Kim, University of Kentucky

DUNN HALL 129
Cell & Molecular Biology
12:20-12:40 p.m.
The Effect of Co-Culturing H9c2 Cardiomyocytes with Mesenchymal Stem Cells on the Expression of Cardiac Troponin-T
Jordan Jousma, Trinity Christian College

12:40-1:00 p.m.
Validating the Association of SLC2A9 and NLN with the Entropion Phenotype in a Domestic Sheep Herd
Heather Buchhop, University of Minnesota-Brockton

DUNN HALL 225 / 227
Chemistry
12:20-12:40 p.m.
Effects of Ultrasound on the Digestive Enzyme Pepsin A
Kathryn Kapp, Gannon University

12:40-1:00 p.m.
Enzymatic Separation of 2-ethyl-1-hexanol: Synthesis of the Enantiomers of DEHP and MEHP
Kwame Bempong, University of Mary Washington
1:00-1:20 p.m.
Methylmercury Contamination in the Lower Food Web of At-Risk Minnesota Rivers
Phoenix Rogers Rogers, University of Wisconsin - La Crosse

DUNN HALL 233
Mathematics
12:20-12:40 p.m.
Statistical Analysis of Reported Health Habits and Mental Health from the Bridge to Health Survey 2015: Northeastern Minnesota and Northwestern Wisconsin
Torri Simon, University of Minnesota, Duluth

12:40-1:00 p.m.
Truly Three-Dimensional Graphing Calculator
Jacqueline Bonds, Coastal Georgia Community College

1:00-1:20 p.m.
Universal Algebra and Boolean Semilattices
Charlotte Aten, University of Rochester

DUNN HALL 249 / 251
Biology
12:20-12:40 p.m.
Phenotypic Study of Stunter2
Jacob Brandt, Wisconsin Lutheran College

12:40-1:00 p.m.
Phylogeography and Population Genetics of Donax variabilis
Sheridan Wilkinson, University of West Florida

DUNN HALL 351
Health Sciences
12:40-1:00 p.m.
Comparison of a Point-of-care Glucometer (POCG) and an Automated Biochemical Analyzer to Measure Glucose Concentrations in Whole Blood, Serum, and Plasma from Porcine Blood Samples
Madison Gohlke, Auburn University

1:00-1:20 p.m.
Comparison of Various Exercise Types Among Stress Reduction
Carolyn Ansel, Radford University

ENGINEERING SCIENCE BUILDING 218
Biomedical Engineering
12:20-12:40 p.m.
Contributions of Mechanical Unloading to Neonatal Brachial Plexus Injury in Rats
Sophia Tushak, North Carolina State University

1:00-1:20 p.m.
Designing a Superior Means of Textbook Transportation for Specific Individuals with Limited Mobility
Richard Fabian, University of Memphis

ENGINEERING SCIENCE BUILDING 220
Civil Engineering
12:20-12:40 p.m.
Lab Evaluation of the Mechanical Responses of Northern Arizona Soil Under Polymer Based Dust Suppressant
Yijie Gao, Northern Arizona University

12:40-1:00 p.m.
Traffic Signal Optimization Using Simulation Modeling
Kamron Jafari, University of Memphis

ENGINEERING SCIENCE BUILDING 222
Engineering/Engineering Technology
12:20-12:40 p.m.
Fusor: Nuclear Fusion Small-Scale Proof of Concept and Demonstration
Aaron Garofalo, Oakland University

12:40-1:00 p.m.
Investigating Ideation Flexibility Through Incremental to Radical Design Heuristics
Ian Baker, Iowa State University

ENGINEERING SCIENCE BUILDING 311
Mechanical Engineering
12:20-12:40 p.m.
The Impact of Red Iron-Oxide and Grain Geometry on Solid Rocket Motors for Amateur Rockets Reaching Mach 3
Cameron Kurtz, Embry - Riddle Aeronautical University
12:40-1:00 p.m.
The Influence of Geometric Parameters on the Efficiency of a Passive Thermosiphon
Austin Cibulka, University of Evansville

1:00-1:20 p.m.
Using Aerosol Deposition to Develop a Novel Method to Manufacture and Advance Solid-State Batteries
Harsh Jhaveri, University of Michigan

FOGELMAN CLASSROOM BUILDING 119
Business/Finance/Accounting
12:20-12:40 p.m.
A Balanced Approach to Nonprofit Performance Evaluation
Michael Daniels, Augustana College

12:40-1:00 p.m.
Abstract On 'One Belt One Road' Initiative
Xinran Li, Bridgewater State University

1:00-1:20 p.m.
Abstract: Plates and The Irish Bred Pub
Carter Brown, University of West Georgia

FOGELMAN CLASSROOM BUILDING 125
Marketing
12:20-12:40 p.m.
A Comparative Analysis of Marketing Strategies Adopted While Targeting Bottom of the Pyramid (BoP) Consumers: Reading Pa. USA vs. Rural Karnataka, India
Elizabeth Weinelt, Albright College

12:40-1:00 p.m.
Causes of South Korea's Low Birth Rate
Jisung Yang, Minnesota State University, Mankato

FOGELMAN CLASSROOM BUILDING 127
Economics
12:20-12:40 p.m.
Causes and Consequences of Inequality
Matthew Hosty, Moravian College

12:40-1:00 p.m.
China: Electric Power in Transition
Rahul Gupta, Guilford College

FOGELMAN CLASSROOM BUILDING 131
Economics
12:40-1:00 p.m.
Rising Food Prices: The Case of Childhood Poverty in a Developed Economy
Megdalynn Fisher, Utah Valley University

1:00-1:20 p.m.
Russia’s Oil Production Policies: A Game Theoretical Approach to Russian Responses to Global Oil Price Changes
Dallas Phillips, University of the Pacific

FOGELMAN CLASSROOM BUILDING 133
Microbiology & Immunology
12:20-12:40 p.m.
Antibiotic Resistance and DNA Profiling of Pseudomonas aeruginosa, Staphylococcus aureus, and Staphylococcus epidermidis in Wet and Dry Eye Makeup Applicators
Ashley Rojas, Lubbock Christian University

12:40-1:00 p.m.
Antibiotic Resistance of Pseudomonas Aeruginosa Recovered from Cystic Fibrosis Patients
William Starr, Oklahoma State University

1:00-1:20 p.m.
Can Baby Bottles and Cans Contribute to the Development of Autoimmune Type 1 Diabetes?
Shana Rogan, Saint Cloud State University

FOGELMAN CLASSROOM BUILDING 259
Nursing
12:20-12:40 p.m.
Does the Use of an Electronic Medication Administration Record Enhance Fidelity in Nursing Simulation?
Arwa Salhab, Stevenson University
12:40-1:00 p.m.  
Electronic Charting in Nursing Simulation: Does It Enhance Safety?  
Kathleen Chucko, Stevenson University

12:20-12:40 p.m.  
Effect of Surface Topography on Neuronal Response  
Martina Rodriguez Sala, University of Memphis

12:40-1:00 p.m.  
Effects of Pressure and Strain on Spin Polarization of IrMnSb  
Juliana Herran, University of Northern Iowa

1:00-1:20 p.m.  
Efficient Coupling of Acoustic Power into Granular Materials  
Brandon Morrow, Presbyterian College

12:20-12:40 p.m.  
Birth Experiences of Primiparous African-American Women: The Influence of Birth Stories Heard During Pregnancy  
Michelle Reissig, Elon University

12:40-1:00 p.m.  
Child Spacing Decision-making and Couple Communication Among Somali Men and Women in the Twin Cities  
Fathi Ahmed, St. Catherine University

1:00-1:20 p.m.  
Community Health Aid Efficacy: Informed Observations from Himalayan Communities in Northeastern India  
Joseph Millward, Seattle University

12:20-12:40 p.m.  
Challenging the Dominant Economic and Political Structures of Society: the Emergence of Alternative Media in Spain  
Ashley Murphy, Illinois College

1:00-1:20 p.m.  
Decoding NGO Action: How the Role of NGOs Propagates Conflict Between Refugee Groups and Host Communities  
Abby Ragan, American University

12:20-12:40 p.m.  
Torture in Times of Terror: State-Sponsored Torture in Nigeria During the Boko Haram Insurgency  
Bridget Smith, Elon University

12:40-1:00 p.m.  
Violations of Medical Neutrality in Syria  
Fatimah Choudhary, Brooklyn College

1:00-1:20 p.m.  
Whispered Screams  
Fatmata Bah, Long Island University

12:20-12:40 p.m.  
An Archival Study of Grammar Instruction: Looking to the Past for Future Best Practices in Writing Instruction  
Hannah Patriquin, Bridgewater State University

12:40-1:00 p.m.  
Analysis of Transition Resources for Siblings of Individuals with Disabilities  
Nicole Green, Eastern Connecticut State University

1:00-1:20 p.m.  
Approaches to Teaching Literature in the 21st Century  
Allison Niese, The University of Findlay
Student Oral Session 2 - Thu 12:20pm-1:20pm

JONES HALL 212
Linguistics
12:20-12:40 p.m.
Meskwaki Language Revitalization
Pablo Lopez Alonso, Luther College

12:40-1:00 p.m.
Patwa Is a Language: No Ifs Buts or Maybes
Rashana Lydner, State University of New York-Brockport

1:00-1:20 p.m.
The Language Still Duh Gwine Down Yuh: Creole Origins of African American Vernacular English
Krystal Briggs, Brooklyn College

JONES HALL 214
Literature
12:40-1:00 p.m.
Moments of Being: Escaping Performativity in the Fiction of Virginia Woolf
Abby Schroering, University of Kentucky

JONES HALL 218
Poetry & Creative Writing
12:40-1:00 p.m.
Daddy B
Veronica Bagby, John Brown University

1:00-1:20 p.m.
Flight Safety Instructions
Ocean Scheel, University of Central Oklahoma

JONES HALL 226
English
12:20-12:40 p.m.
Bridled Candor: Jean Baudrillard and the “Wild Horses of the West”
Amanda Domhecker, College of St Scholastica

12:40-1:00 p.m.
Capitalism and the Commodification of Humanity in Catch-22 and The Catcher in the Rye
Grant Looper, Anderson College

JONES HALL 237
Education
12:20-12:40 p.m.
Oral Language Interactions Between Students and Teachers in One-Way and Two-Way Immersion Programs
Kristin Arnold, Bridgewater State University

12:40-1:00 p.m.
Students’ Perceptions of the Benefits of Learning Communities
Francine Baron, Midwestern State University

JONES HALL 239
English
12:20-12:40 p.m.
The Athlete’s Journal: Composition Theory in the Arena of Competitive Sport
Kaitlin Wingert, Messiah College

12:40-1:00 p.m.
The Bildungsroman Quest in The Raven King and “The Noble Tale of the Sangrail”
Erin Wages, Anderson College

JONES HALL 243
Philosophy & Ethics
12:20-12:40 p.m.
A Moral Analysis of the Case of Joseph H
Kirstiana Brickman, Siena College

12:40-1:00 p.m.
A Return to Tradition
West Poindexter, University of West Georgia
1:00-1:20 p.m.
An Earth Ethic for the New Millennium: Investigating the Moral Status of the Natural World
Benjamin Troupe, University of Kentucky

MANNING HALL 204
History
12:20-12:40 p.m.
1964 Olympics: More Than Just Sports? How Japan Utilized the Olympic Games for Ulterior Motives
Christopher Suen, Dominican University of California

12:40-1:00 p.m.
Adelicia Acklen: An Unconventional Southern Woman
Christian Keen, Trevecca Nazarene University

1:00-1:20 p.m.
American Court System, Asians, Conception of Race
Esther Johnson, Illinois College

JONES HALL 249
English
12:20-12:40 p.m.
Hannah Rice, Anderson College

12:40-1:00 p.m.
Looking for Meeps: How Dictionaries Reflect Cultural Trends in Language from Johnson to the Urban Dictionary
Ricky Finch, Lipscomb University

1:00-1:20 p.m.
Misapplications of Darwin’s Origin of Species: Nazi Germany and the Eugenics Movement
Emily Wollmuth, Hamline University

MANNING HALL 202
Physical/Occupational Therapy/Speech Language Pathology
12:20-12:40 p.m.
Post-Therapy Collaboration
Kary Sheppard, University of Minnesota - Crookston

12:40-1:00 p.m.
The Role of Exercise in Persons with Cerebral Palsy
Lauren Boush, Radford University

Physiology
1:00-1:20 p.m.
Recurrent Hypoglycemia Reduces Severe Hypoglycemia-Induced Fatal Cardiac Arrhythmias in Type 1 Diabetic Rats
Justin Bayles, University of Utah

MANNING HALL 318
Communications
12:40-1:00 p.m.
Beautiful Suffering: Structuring Our Vision of Refugees as the Other Through Winning Pulitzer Prize Images in 2016
Diana Langer, Juniata College

MANNING HALL 320
Communications
12:20-12:40 p.m.
Warped Space-Time: Exploiting Schematic Assumptions in “Ritual in Transfigured Time”
Grant Brighter, Ithaca College
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>12:20-12:40 p.m.</td>
<td><strong>Political Science</strong></td>
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<td>The State of Bridgewater: Developments in the Bridgewater State College Campus Through Undergraduate Students Activism</td>
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<td>Kayla Hoyt, Bridgewater State University</td>
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<td>1:00-1:20 p.m.</td>
<td>Political Negotiations and Government Shutdowns</td>
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<td>Cassidy Teminsky, Capital University</td>
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<td>12:40-1:00 p.m.</td>
<td><strong>Political Science</strong></td>
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<td>Narrative, Memory and Identity: Storytelling in the Illustrated London News</td>
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<td>Alex Vandermaas-Peeler, Elon University</td>
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<td>12:40-1:00 p.m.</td>
<td><strong>Political Science</strong></td>
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<td>Policy Makers and Entrepreneurs: A Relationship That Seeks Solution</td>
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<td>Janna Johnson, Wingate University</td>
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<td>12:40-1:00 p.m.</td>
<td><strong>Computer Science</strong></td>
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<td>When Is an Algorithm Bias Free?</td>
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<td>Tyler Delano, University of North Alabama</td>
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<td>12:40-1:00 p.m.</td>
<td><strong>Computer Science</strong></td>
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<td>A Free Trade Deal with China: The Rewards and The Risks for Canada</td>
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<td>Crystal Wong, Carleton University</td>
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<td>12:40-1:00 p.m.</td>
<td><strong>Sociology</strong></td>
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<td>The Kids Are Alt-Right: A Cultural Window into the Disenfranchised</td>
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<td>Alex Jankowski, Chaminade University of Honolulu</td>
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<td>1:00-1:20 p.m.</td>
<td><strong>Political Science</strong></td>
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<td>A Just Framing of Healthcare Reform: Distributive Justice Norms and the Success/Failure of Healthcare Reform in America</td>
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<td>Marisa Parker, Bridgewater State University</td>
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1:00-1:20 p.m.
A Long Way Back to the Top: A Realist Approach to Russian Foreign Policy
Anthony Bellisario, Carthage College

MEEMAN JOURNALISM 204
Political Science
12:20-12:40 p.m.
U.S. Social Movements: Where Political and Social Arenas Overlap
Ryeshia Farmer, Carthage College

12:40-1:00 p.m.
Enrichment Affects Social and Object Preference Differently in Adolescent Rats
Sarah Snouse, Appalachian State University

1:00-1:20 p.m.
Why College Students Vote
Maribeth Guarino, Susquehanna University

PSYCHOLOGY BUILDING 206
Clinical Psychology
12:20-12:40 p.m.
Tell Me About That: A Study of Responses to the Disclosure of Unwanted Sexual Experiences in Undergraduates
Kyle Lynch, Elon University

12:40-1:00 p.m.
The Relationship Between Grade Point Average (GPA) and Locus of Control, and Its Effect on Coping Strategies, Self-Esteem, and Procrastination
Lauren Swilley, William Peace University

1:00-1:20 p.m.
A Refined Estimate of Lava Flow Volume of the Deccan Traps (India) Using Geographic Information Systems
Nicholas Barber, Drexel University

PSYCHOLOGY BUILDING 204
Behavioral Neuroscience
12:20-12:40 p.m.
Effects of a Cyclophilin 1 Mutation on Drosophila Locomotion
Andrew Wohlschlæger, Truman State University

1:00-1:20 p.m.
Effects of Menstrual Cycle Phase, Sex Hormone Levels, and Contraceptive Use On Emotion Regulation
Luana Oh Scienza, Kennesaw State University

12:40-1:00 p.m.
A Brief Survey on Stormwater Management: A Noble Approach to Tailor the Education and Outreach Efforts of Residents in Flood Affected Areas in Queens County, New York City
Mariel Suriel, City University of New York- York College

12:40-1:00 p.m.
Characterizing Neglect-Related Cognitive Deficits Following Stroke
Margaret Moore, Indiana University

1:00-1:20 p.m.
Cognitive Tasks
Darean Polk, William Peace University

PSYCHOLOGY BUILDING 230
Geography & Earth Sciences
12:20-12:40 p.m.
A Refined Estimate of Lava Flow Volume of the Deccan Traps (India) Using Geographic Information Systems
Nicholas Barber, Drexel University

12:40-1:00 p.m.
Hydrothermal Vent Particle Analysis Using Experimentally Developed SEM Methods
Collin Schladweiler, University of Minnesota, Twin Cities

1:00-1:20 p.m.
A Long Way Back to the Top: A Realist Approach to Russian Foreign Policy
Anthony Bellisario, Carthage College
PSYCHOLOGY BUILDING 244
Geography & Earth Sciences
12:20-12:40 p.m.
Temporal Changes in Microbial Composition and Activity in Serpentinization-Driven Ecosystems
Alex Hyer, University of Utah

12:40-1:00 p.m.
The Collapse of Bourgeois Conservation into Utilitarian Waste: Georges Bataille and Alternative Economies of Consumption
Timothy Lewis, Occidental College

1:00-1:20 p.m.
The Influence of Atmospheric Rivers on Extreme Precipitation Events Observed in the Southern Appalachians
Lukas Stewart, University of North Carolina - Asheville

Student Oral Session 3 - Thu 1:40pm-2:40pm

ART AND COMMUNICATION 247
Music
1:40-2:00 p.m.
Christ Lag in Todesbanden: Tracing Early Lutheran Congregational Song
Hannah Koby, Valparaiso University

12:20-12:40 p.m.
Temporal Changes in Microbial Composition and Activity in Serpentinization-Driven Ecosystems
Alex Hyer, University of Utah

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The Collapse of Bourgeois Conservation into Utilitarian Waste: Georges Bataille and Alternative Economies of Consumption
Timothy Lewis, Occidental College

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The Influence of Atmospheric Rivers on Extreme Precipitation Events Observed in the Southern Appalachians
Lukas Stewart, University of North Carolina - Asheville

2:00-2:20 p.m.
Composing Video Game Music in an Online World
Noah Copeand, University of Central Oklahoma

2:20-2:40 p.m.
Cymatics: Nature’s Hidden Secrets
Matthew Heim, Capital University

ART AND COMMUNICATION 257
Art History
1:40-2:00 p.m.
Olivia Acker, Colgate University

2:00-2:20 p.m.
Compositional Dissonance: Design of the Periodical Dada and Dada Ideology
Amelia Goldsby, Truman State University

2:20-2:40 p.m.
Decontextualization of Ukiyo-e Prints in French Impressionism
Joanne Adams, University of Central Oklahoma

ART AND COMMUNICATION 310
Art History
1:40-2:00 p.m.
The Whitney Plantation: Examining America’s First Slavery Trauma-Site Museum
Mattie Barlow, University of Central Oklahoma
Student Oral Session 3 - Thu 1:40pm-2:40pm

2:00-2:20 p.m.
Why There Will Still Never Be “Great” Female Artists
Victoria Skelton, Greenville Technical College

2:20-2:40 p.m.
Text Setting in Colin Britt’s Dreamscape
Makenzie Spivey, University of North Georgia

ART AND COMMUNICATION 314
Theatre/Drama
1:40-2:00 p.m.
The Discordant Historiography of Fashion Studies
Grace Bellino, Elmhurst College

2:00-2:20 p.m.
two Gentleman of Verona Scenic Design
Nicole River, Eastern Connecticut State University

2:20-2:40 p.m.
Under the Helmet: Woyzeck, PTSD, and the Politics of Seeking Help
Marcia Harvey, Kennesaw State University

DUNN HALL 107
Public Health
1:40-2:00 p.m.
evaluation of distrust in healthcare and possible solution using anti-vaccination movements
Malka Hanukaev, Brooklyn College

2:00-2:20 p.m.
aging, health and neurocognitive decline: a cluster analysis
Rachel Ulrich, Montana State University Bozeman

DUNN HALL 109
Archeology
1:40-2:00 p.m.
The Study of Early Aleut Subsistence Patterns Based on Sea Mammal Remains from Kiska Island, Alaska
Alexa Hanson, Hamline University, St. Paul

2:00-2:20 p.m.
Stabilization of Waterlogged Wood from a 16th-Century Spanish Shipwreck: The Effectiveness of a Polyethylene Glycol Pretreatment Combined with Lyophilization
Shannon Cunningham, University of West Florida

DUNN HALL 103 / 105
African American Studies
1:40-2:00 p.m.
Perception vs. Representation: The Impact of Stereotypes and Eurocentric Standards on Black Women
Michelle Edward, Kennesaw State University

2:00-2:20 p.m.
Political Efficacy Among African American Women
Niara Walden, Fordham University

2:20-2:40 p.m.
The Holistic Community Leadership of African American Educators in Harrisburg, PA, from 1877 to 1954
Hannah Eckstrom, Messiah College

DUNN HALL 119 / 121
Biochemistry
1:40-2:00 p.m.
Synthesis and Novel Assay of Macrophage Migration Inhibitory Factor (MIF) Inhibitors
Nathan Miller, West Chester University

2:00-2:20 p.m.
The Effects of Aroclor1254 on Estrogen Receptor Alpha in Breast Cancer Cells
Victoria Lloyd, Oakland University
2:20-2:40 p.m.
Where in the World Are Pathogenic Candida Species?
Vita Stramaglia, Wayne State University

DUNN HALL 225 / 227
Chemistry
1:40-2:00 p.m.
Molecular Architecture: Building Macrocyclic Complexes with Diosmium Carbonyl Sawhorse Units and Dicarboxylate Anions
David Marolf, Abilene Christian University

2:00-2:20 p.m.
Molecular Dynamics Simulations to Determine Interfacial Partitioning of Ions in Reverse Micelles
Gent Prelvukaj, Wagner College

2:20-2:40 p.m.
Novel Binary Reactive Group Functionalized Silsesquioxane Micro-particles and Their Colloidal Self-Assemblies
Danielle Chavis, Western Kentucky University

DUNN HALL 123/125
Biology
1:40-2:00 p.m.
Ethanol Effects on a Developing Zebrasftfish Thyroid
Amanda Sudhoff, Central Connecticut State University

2:00-2:20 p.m.
Exploring the Effect of Rapamycin on T-cell Proliferation and Survival
Jenna Dafgek, Elon University

2:00-2:20 p.m.
Comparison of Rate of Predation on Fish-Parasitic Gnathiid Isopods Between Nocturnal Planktivorous Coral Reef Fish and Cleaner Gobies on a Caribbean Coral Reef
Alexandra Hook, Arkansas State University

DUNN HALL 124
Cell & Molecular Biology
1:40-2:00 p.m.
Cells Deficient for Krüppel-Like Factor 4 Exhibit Impaired Mitophagy
William Rosencrans, Colgate University

2:00-2:20 p.m.
Down-Regulation of RNA 3-Terminal Phosphate Cyclase Attenuates Toll-Like Receptor 3-Mediated Axonal Loss in the Retina and Optic Nerve
Naveena Daram, Oakland University

2:20-2:40 p.m.
Enabling Alzheimer’s Aβ Phagocytosis by Targeting IRAK-M Innate Immunity
Alex Vesling, University of Southern California

DUNN HALL 129
Cellular Neuroscience
1:40-2:00 p.m.
Angiotensin 1-7 Increases NNOS Expression in Cardiac Ganglia Cells of Guinea Pigs
Meghann Muldowney, Ithaca College

DUNN HALL 233
Ecology & Organismal Biology
1:40-2:00 p.m.
Birds as Vectors for Borrelia burgdorferi
Emily Ostrow, Drexel University

2:00-2:20 p.m.
Comparison of Rate of Predation on Fish-Parasitic Gnathiid Isopods Between Nocturnal Planktivorous Coral Reef Fish and Cleaner Gobies on a Caribbean Coral Reef
Alexandra Hook, Arkansas State University

DUNN HALL 249 / 251
Biology
1:40-2:00 p.m.
Population Genetics of Scaevola in the Islands of Puerto Rico
Adriana Morales Gomez, Ithaca College

2:00-2:20 p.m.
Predictive Seasonal Film Analysis of Honeybee Colonies
LaTaunya Tilmalni, Appalachian State University
THE UNIVERSITY OF MEMPHIS

2:00-2:00 p.m.
Baker Nour, Kennesaw State University

2:20-2:40 p.m.
Automating Electrical Load Shifting at the Residential Level
Darby Hudnall, University of North Carolina - Asheville

ENGINEERING SCIENCE BUILDING 222
Mechanical Engineering
1:40-2:00 p.m.
3D Bin Picking and Placing of Ping Pong Balls Using Robotic Vision and Depth Data
Jennifer Leaf, Eastern Washington University

2:00-2:20 p.m.
A Parametric Study of The Mechanical Properties of 3D Printed Parts
Hiroshi Yanagida, University of Tennessee at Chattanooga

2:20-2:40 p.m.
Characterization of Functionally Graded Ti6Al4v-mo Material Via Laser Metal Deposition
Elizabeth Paoli, Milwaukee School of Engineering

ENGINEERING SCIENCE BUILDING 311
Mechanical Engineering
2:00-2:20 p.m.
Bingo Bot
Tanya Jordan, Eastern Washington University

2:20-2:40 p.m.
Breeze Batt
Christian Sroka, Metropolitan State University of Denver
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Topic</th>
<th>Presenter</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>2:20-2:40 p.m.</td>
<td>FOGELMAN CLASSROOM BUILDING 125 Marketing</td>
<td>Definition of the Function of the Atg8 Protein in the Malaria Parasite, Plasmodium falciparum</td>
<td>Kieran Tebben, Ohio State University</td>
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<td>FOGELMAN CLASSROOM BUILDING 127 Economics</td>
<td>Exploring Black Women’s Perceptions of Midwifery and Antenatal Care in Knoxville</td>
<td>Hannah Yoder, University of Tennessee at Knoxville</td>
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<td>FOGELMAN CLASSROOM BUILDING 127 Economics</td>
<td>Family Caregivers of Primary Malignant Brain Tumors Needs Over Time and at Key Transition Points</td>
<td>Emilie Hausmann, University of Pittsburgh School of Nursing</td>
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<td>FOGELMAN CLASSROOM BUILDING 127 Economics</td>
<td>Is Temporal Artery Thermometry a Useful Indicator of Core Body Temperature in Patients Receiving General Anesthesia?</td>
<td>Grace Paik, University of Pittsburgh School of Nursing</td>
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<tr>
<td>1:40-2:00 p.m.</td>
<td>FOGELMAN CLASSROOM BUILDING 131 Economics</td>
<td>Climate Change and Ecological Debt: a New Perspective</td>
<td>Arthur Moss Hawkins, Seattle University</td>
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<td>2:00-2:20 p.m.</td>
<td>FOGELMAN CLASSROOM BUILDING 133 Microbiology &amp; Immunology</td>
<td>Ex Vivo Testing of Basal Cell Carcinomas and Melanomas with High-frequency Ultrasound</td>
<td>Christine Dalton, Utah Valley University</td>
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<td>FOGELMAN CLASSROOM BUILDING 133 Microbiology &amp; Immunology</td>
<td>Interlayer Phonons in ReS2 and NbSe2 Atomic Layers</td>
<td>Gaihua Ye, University of Northern Iowa</td>
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<td>1:40-2:00 p.m.</td>
<td>FOGELMAN CLASSROOM BUILDING 133 Microbiology &amp; Immunology</td>
<td>Characterization of Bacteriophages Specific for Vibrio Spp. from the St. Johns River of Jacksonville, Florida</td>
<td>Lyndsey Lane, Jacksonville University</td>
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<td>2:20-2:40 p.m.</td>
<td>FOGELMAN CLASSROOM BUILDING 133 Microbiology &amp; Immunology</td>
<td>Investigating the Defect and Dopant Properties of CsCaI3:Eu2+ for Scintillator Applications: A First-principles Study</td>
<td>Jonathan Mize, Arkansas State University</td>
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<td>1:40-2:00 p.m.</td>
<td>Marketing</td>
<td>Estimate the Key Growth Determinants of the &quot;Mindfulness Market&quot; by Analyzing the Elements of Supply Chain That Drive the Industry</td>
<td>Marissa Scalese, Albright College</td>
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</tbody>
</table>
FOGELMAN CLASSROOM BUILDING 262
Public Health
1:40-2:00 p.m.
Community Ideology, State Law, School Policy, and the Production of Massachusetts Public Sexual Education
Nykia Leach, Wheaton College

2:20-2:40 p.m.
The Rise of Tourism in Southern Bali, Indonesia: The Balance Between Women’s Economic Empowerment and Environmental Degradation
Olivia Alden, Long Island University

JONES HALL 200
Education
1:40-2:00 p.m.
Best Practices for Institutional Transformation in Serving Undocumented Students
Edith Melendez, Eastern Washington University

FOGELMAN CLASSROOM BUILDING 264
International Studies
1:40-2:00 p.m.
Education Opportunities For Migrants In Thailand
Tatyana Dejean, Long Island University

2:00-2:20 p.m.
Disease Prevention Practices in Adolescent Females: A Microscopic Analysis of Water Quality, Sanitation Methods, and Perceptions of Vector-borne Illnesses in a Rural Region of the Dominican Republic
Sneha Krish, Virginia Commonwealth University

2:20-2:40 p.m.
Bilingualism, Spanglish, and Phenomenon of Code-Switching
Casey Anthony, Juniata College

JONES HALL 212
Literature
1:40-2:00 p.m.
Moths to Misogyny: The Influence of Feminism on the Male’s Heroic Journey in The Great Gatsby
Erin Broberg, Black Hills State University

2:00-2:20 p.m.
“Familial Relations in The Oresteia: Breaking Categories in the Struggle for Power”
Daniela Rodriguez, Carthage College

2:20-2:40 p.m.
“Intention V. Result: “The Lady’s Dressing Room” and Feminism”
Maggie Heaps, University of Central Oklahoma

JONES HALL 214
Literature
1:40-2:00 p.m.
Why Do States Comply with International Law
Samantha Danish, Susquehanna University

2:00-2:20 p.m.
Trevor Owens, Indiana University

2:20-2:40 p.m.
Breaking Barriers: English Language Learners and Technology in and Beyond the Classroom
Emily Ruggiero, State University of New York-Brockport

FOGELMAN CLASSROOM BUILDING 265
International Studies
1:40-2:00 p.m.
Why Do States Comply with International Law
Samantha Danish, Susquehanna University

2:00-2:20 p.m.
Fair Trade: Successes and Shortcomings for Indigenous People in Peru
Margaret O’Connor, The George Washington University

2:20-2:40 p.m.
“Intention V. Result: “The Lady’s Dressing Room” and Feminism”
Maggie Heaps, University of Central Oklahoma

International Studies
1:40-2:00 p.m.
Education Opportunities For Migrants In Thailand
Tatyana Dejean, Long Island University

2:00-2:20 p.m.
Exploring Precious Metal Mining in Peru Through Film
Madi Sachs, University of Minnesota, Duluth

2:20-2:40 p.m.
Fair Trade: Successes and Shortcomings for Indigenous People in Peru
Margaret O’Connor, The George Washington University

2:20-2:40 p.m.
Trevor Owens, Indiana University

2:20-2:40 p.m.
Neighborhood Ideology, State Law, School Policy, and the Production of Massachusetts Public Sexual Education
Nykia Leach, Wheaton College

2:20-2:40 p.m.
The Rise of Tourism in Southern Bali, Indonesia: The Balance Between Women’s Economic Empowerment and Environmental Degradation
Olivia Alden, Long Island University
2:00-2:20 p.m.
Mr. Wind-Up Bird and The Prince of Denmark: Shakespeare’s Hamlet as Influence in Murakami’s The Wind-Up Bird Chronicle
Bridget Sellers, University of Tennessee at Knoxville

2:20-2:40 p.m.
Nevermore of Peace: Lost Cause as Malady in “Absalom, Absalom!”
Hunter Flynn, Loyola University Maryland

JONES HALL 218
Poetry & Creative Writing
2:00-2:20 p.m.
Jules Verne, Grizzly Bears, and Minecraft: An Exploration of Exploration
Eliot Costic, Virginia Commonwealth University

JONES HALL 226
English
2:00-2:20 p.m.
Culture and Training in Music-Narrative Cognition
Viktoria Teneqexhi, Michigan State University

2:20-2:40 p.m.
Daisy Buchanan: The Forces of Feminism
Tessa Burford, University of Nebraska at Kearney

JONES HALL 237
Education
1:40-2:00 p.m.
Teaching Sexual Education to 21st Century Students
Brooke Rodriguez, The University of Findlay

2:00-2:20 p.m.
The Bridges and Barriers to Environmental Education on an ECO Campus
Amber Adams-Kuebler, Elon University

2:20-2:40 p.m.
The Effect of Both Per Pupil and Science Expenditure on Fifth Grade Science MCAS Scores in Three School Districts in Massachusetts
Kaitlin Kummer, Bridgewater State University

JONES HALL 239
English
2:00-2:20 p.m.
The Education of the Monster
Abigail Kirby, Carthage College

JONES HALL 243
Philosophy & Ethics
1:40-2:00 p.m.
An Ethical Analysis of Psychological Testing of Human Subjects Code of Conduct
Kirsten Duff, Morehead State University

2:00-2:20 p.m.
Bioethics and Depression: How Antidepressants May Decrease a Patient’s Autonomy
Monica Maxino, Siena College

2:20-2:40 p.m.
Climate Change and Moral Obligations
Loni Taber, Eastern Washington University

JONES HALL 249
English
1:40-2:00 p.m.
Mispereptions: The Comic Use of the Gothic in Herman Melville’s “Bartleby the Scrivener”
Mark Tyler, John Brown University

2:20-2:40 p.m.
Nudity and Femininity: Genre Analysis and 20th Century Art
Margaret Rippe, University of Wisconsin - La Crosse

MANNING HALL 202
Kinesiology & Exercise Science
2:00-2:20 p.m.
Chronic Knee Injury and Performance of the Saut De Chat
Ashley King, Elon University

2:20-2:40 p.m.
Correlating Knee Flexion Angles and Shoulder Range of Motion During the Tennis Serve
Alexis Axtell, University of Kentucky
### MANNING HALL 204
#### History
1:40-2:00 p.m.
Arguments Against Amalgamation: The Citizen’s Council Battles Integration Through Language
Evelyn Kerns, Eastern Kentucky University

2:00-2:20 p.m.
Arkansas’ Newspaper War
Megan Prettyman, Hendrix College

2:20-2:40 p.m.
Auguste and Jean-pierre Chouteau: The Two Princes of the Missouri River Fur Trade, 1794-1820
Luke Provenzano, University of Central Oklahoma

### MANNING HALL 222
#### History
2:00-2:20 p.m.
Katherine Dickson, North Central College

2:20-2:40 p.m.
History in Deed: Toward a Biography of Place
Jennifer liles, Stevenson University

### MANNING HALL 318
#### Communications
1:40-2:00 p.m.
Differences Between Men’s and Women’s Communication
Olivia Godin, Eastern Connecticut State University

2:00-2:20 p.m.
Effects of Live Tweeting on User Engagement in Premium Sporting Events
Bryan Anderson, Elon University

2:20-2:40 p.m.
Encouraging Talk at a Wellness Bar
Aunteia Lovett, University of Central Oklahoma

### MANNING HALL 320
#### Women, Gender, and Sexuality Studies
1:40-2:00 p.m.
Afropolitanism as National Identity: Unraveling the “Pre” and “Post” Dynamics in Decolonization
Tiwaladeoluwa Adekunle, University of Kentucky

2:00-2:20 p.m.
Bodies on Display: An Analysis of the Intersection of Gender, Race, and Socioeconomic Status and Their Effects on Dancers
Alayna Williams, Mercer University

2:20-2:40 p.m.
Bronze Roses, Pink Crosses, and Feminicide: The Art of Lament and Liberation in Ciudad Juárez
Elizabeth Cleary, St. Catherine University

### MANNING HALL 332
#### Religious Studies
1:40-2:00 p.m.
Solomon and the Temple: the Theological Framework of the Psalms of Solomon
Wilson Whitener, St. Edward’s University

2:00-2:20 p.m.
The Decline of Moral Reasoning
Ashley Van Meter, Lubbock Christian University

2:20-2:40 p.m.
The Effects of the Bori Cult on the Practice of Islam Among the Hausa of Africa
Clare Warrington, John Brown University

### MANNING HALL 340
#### History
1:40-2:00 p.m.
The Supreme Court and Civil Rights from Plessy to Brown
Joe Rossi, Hendrix College

2:00-2:20 p.m.
The War of The Two Kings: The Williamite War in Ireland of 1689 and the Formation of Parliamentary Sovereignty
Zachery Lau, University of Nebraska at Kearney
2:20-2:40 p.m.
Through Pain and Sacrifice: The Emotional Outcry of the Citizens of New Ulm, Minnesota, 154 Years After the U.S.-Dakota War
John Legg, Macon State College

MANNING HALL 413

Computer Science
1:40-2:00 p.m.
Controllable Weather Balloon
Kerlin Michel, Florida International University

2:00-2:20 p.m.
Cyber-Security Mapping of a Research Nuclear Reactor
Charles Bales, University of Tulsa

MANNING HALL 417

Sociology
1:40-2:00 p.m.
The Third Reconstruction: A Discursive Analysis of the Moral Mondays Movement
Alexander Skarr, University of Illinois at Springfield

2:00-2:20 p.m.
Tombstone Tourism: Negotiating the Space Identity of the Cemetery as a Multi-use Community Venue
Kristy Bowen, Wittenberg University

2:20-2:40 p.m.
Understanding Changing Attitudes Toward Suicide Between 1985 and 2014 in the United States
Yi Tong, City University of New York- Queens College

MANNING HALL 426

Philosophy & Ethics
2:00-2:20 p.m.
Why Factory Farms Are Morally Abhorrent
Elizabeth Rhodes, Appalachian State University

2:20-2:40 p.m.
With Thunder and Blood: Dismantling Elitism in Poverty-Related Environmental Discourse
Shelby Roberts, The University of Virginia’s College at Wise

MEEMAN JOURNALISM 106

Political Science
1:40-2:00 p.m.
Preemptive Prosecutions: How Fear of the Religious “Other” Drives Us to Abandon Constitutional Values
Sarah Sturm, Luther College

2:00-2:20 p.m.
Professional Qualifications of Women Serving in State Legislatures: The Impact of Education and Occupation
Meghan Vogel, Xavier University

2:20-2:40 p.m.
Proximity to Terrorism: An Impact Study on American Public Preferences
Madison McCauley, Texas Christian University

MEEMAN JOURNALISM 112

Political Science
2:00-2:20 p.m.
 Allegory of the Cave
Mitchell Oliver, University of West Florida

2:20-2:40 p.m.
Amped Up, Turning Out: Polarization’s Impact on Voter Turnout
Barrett Goodwin, Hendrix College

MEEMAN JOURNALISM 204

Law & Legal Studies
1:40-2:00 p.m.
Can Congress Restrict State-Sponsored Displays of Historically Oppressive Symbols?
Casey Phillips, Ithaca College

2:20-2:40 p.m.
Examining the Role of Race, Risk Assessments, and Preventative Sanctions in the Pretrial Justice System
Christopher Rudolph, University of Wisconsin - La Crosse
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>1:40-2:00 p.m.</td>
<td><strong>Experimental Psychology</strong> &lt;br&gt; <em>College Students’ Perceptions of Persuasive Writing and Essentialist Language</em>&lt;br&gt; Lauren Salig, Elon University</td>
</tr>
<tr>
<td>2:00-2:20 p.m.</td>
<td><strong>Geography &amp; Earth Sciences</strong> &lt;br&gt; <em>Anthropogenic Climate Change on the Atlantic Meridional Overturning Circulation</em>&lt;br&gt; Kalley Swift, University of Wisconsin - River Falls</td>
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<td>2:20-2:40 p.m.</td>
<td><strong>Assessing Global Adaptation Finance</strong>&lt;br&gt; Beverly Harp, George Mason University</td>
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<td>2:00-2:20 p.m.</td>
<td><strong>Behavioral Neuroscience</strong> &lt;br&gt; <em>Enrichment Effects on Object in Place Task Performance Are Due to Task Novelty Not Subject Age</em>&lt;br&gt; Hannah Johnson, Appalachian State University</td>
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<tr>
<td>2:20-2:40 p.m.</td>
<td><strong>Transport and Occurrences of Fecal Indicative Bacteria (FIB) in New York City Lakes</strong>&lt;br&gt; Ace Vladimir Alcantara, City University of New York - York College</td>
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<td>2:00-2:20 p.m.</td>
<td><strong>Clinical Psychology</strong> &lt;br&gt; <em>The Somatization of Mental Illness in Bangladeshi American Women</em>&lt;br&gt; Oneeka Khan, Macaulay Honors College at CUNY</td>
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<td>2:00-2:20 p.m.</td>
<td><strong>Time for a Change: Examining Help-Seeking Behaviors in the First-Year Experience</strong>&lt;br&gt; Mary-Margaret Koch, American University</td>
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<td>2:20-2:40 p.m.</td>
<td><strong>Analyzing P-Surge Exceedances to Improve Storm Surge Watches and Warnings</strong>&lt;br&gt; Cody Yeary, Saint Cloud State University</td>
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<td>3:00-3:20 p.m.</td>
<td>Adorno and Popular Music: A Case Study of Artistic Viability Within the Standardized Music Machine</td>
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<td>3:20-3:40 p.m.</td>
<td>Manufactured Artistry: Kpop Through Baudrillard</td>
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<td>3:40-4:00 p.m.</td>
<td>Mastering Atonal Voice Leading as an Undergraduate: Utilizing Standard Curriculum in Learning Atypical Repertoire</td>
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<td>3:40-4:00 p.m.</td>
<td>Promise That You Will Sing About Me: Kendrick Lamar In Posterity</td>
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<td>3:40-4:00 p.m.</td>
<td>Victims of Social Inequality: An Insight to Historical Events and Their Effect on African Americans</td>
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<td>3:20-3:40 p.m.</td>
<td>Dance Instruction Songs and Cultural Exchange</td>
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<td>French Society Abroad: The Popularization of French Dance Throughout Europe, 1600-1750</td>
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<td>3:20-3:40 p.m.</td>
<td>Doodling Double Term Presidents of the Past: How We Can Use Doodles to Determine the Elite</td>
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<td>3:40-4:00 p.m.</td>
<td>Discovering The Great Work of Carleton Watkins in A Journey Through Time</td>
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<td>3:20-3:40 p.m.</td>
<td>The Hero of Hyrule: Musical Topics in The Legend of Zelda</td>
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<td>Keepin’ It in the Groove: A Study of Contemporary Fusion</td>
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<td>The Roots from Where Our Stories Grown: Hair Assists in Reclaiming the Black Identity</td>
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<td>Integrating into Society: Jews, Nationalism, and the World</td>
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<td>3:20-3:40 p.m.</td>
<td>“Leave Your Jewels and Buy a Revolver”: Irish Women, the Rising, and Nationalism</td>
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</tbody>
</table>
**DUNN HALL 109**  
Architecture & Interior Design  
3:00-3:20 p.m.  
Chandigarh: A 21st Century Smart City?  
Dhruvee Patel, Kennesaw State University

3:40-4:00 p.m.  
Constructed Reality: A Study in Perspective Through Virtual Reality  
Jose Rodriguez, Kennesaw State University

**DUNN HALL 119 / 121**  
Biological Engineering  
3:00-3:20 p.m.  
Application of Laser Etching and 3D Printed Polymers for Modeling Ice Vein Habitats  
Taylor Oeschger, Montana State University Bozeman

**DUNN HALL 123/125**  
Biology  
3:00-3:20 p.m.  
Extended-spectrum beta-lactamase-producing Enterobacteriaceae in North Georgia Water  
Lindsay McCuen, University of North Georgia

3:20-3:40 p.m.  
Forces That Drive Low Complexity Region Evolution  
Aaron Helander, Oakland University

3:40-4:00 p.m.  
Genetics of Reed Canary Grass (Phalaris Arundinacea) Populations at the Cedar Creek Ecosystem Science Reserve  
Danielle Meyer, St. Catherine University

**DUNN HALL 124**  
Cell & Molecular Biology  
3:00-3:20 p.m.  
Examining the Effect of Convallatoxin, a Cardiac Glycoside, on the Growth of Colorectal Cancer Cells  
Sarah Anderson, Belmont University

**DUNN HALL 129**  
Cellular Neuroscience  
3:00-3:20 p.m.  
Determining the Expression of Dpr and DIP Proteins in A08a and Dbd Neurons  
Rebekah Rashford, University of Maryland, Baltimore County

3:20-3:40 p.m.  
Exogenous Adenosine Protects BV-2 Microglial Cells in Simulated Ischemia  
Any Kim, University of Iowa

**DUNN HALL 225 / 227**  
Chemistry  
3:00-3:20 p.m.  
Optimization of Laser Ablation-Laser Induced Fluorescence for Arsenic Detection in Steel  
Patrick Tribbett, Arkansas State University

3:20-3:40 p.m.  
Single-Electron Activation of CO2 on Graphene-Supported ZnO Nanoclusters: Effects of Doping in the Support  
Stephen Sekoulopoulos, Valparaiso University

3:40-4:00 p.m.  
Sonochemical Synthesis of Superparamagnetic Nanoparticles  
Amanda Miller, Texas Tech University

**DUNN HALL 233**  
Ecology & Organismal Biology  
3:00-3:20 p.m.  
Does Wolbachia Cause Higher Queen Development in Temnothorax longispinosus When Nutrition Is Low?  
Samantha Phelps, Russell Sage College
**Student Oral Session 4 - Thu 3:00pm-4:00pm**

**3:20-3:40 p.m.**
*Effect of Drought Conditions on Culex Mosquitoes*
Faurest Nelson Wicks, Eastern Washington University

**3:40-4:00 p.m.**
*Effects of Spring Moisture on Ventenata dubia Abundance in Eastern Washington*
Rachael Hamby, Eastern Washington University

**ENGINEERING SCIENCE BUILDING 222**
**Mechanical Engineering**
**3:00-3:20 p.m.**
*Control of Asymmetric Periodic Motions in a Duffing Oscillatory Circuit*
Xin Hu, Midwestern State University

**3:40-4:00 p.m.**
*Determination of Flow in Whistle-Based Woodwind Instruments*
Laurie King, Norwich University

**ENGINEERING SCIENCE BUILDING 311**
**Mechanical Engineering**
**3:00-3:20 p.m.**
*Usability of Humanoid Robots in Autism Therapy Using a Tablet Controller*
Jennifer Leaf, Eastern Washington University

**3:20-3:40 p.m.**
*Vapor-Liquid-Solid Growth of One-Dimensional Nanostructures*
Federico Gasbarri, Lamar University

**FOGELMAN CLASSROOM BUILDING 119**
**Business/Finance/Accounting**
**3:20-3:40 p.m.**
*Bound to Fail: The Coming Disruption of the College Textbook Market*
Brendan Brozen, Fordham University

**3:40-4:00 p.m.**
*Impact of Updates to 4 Areas of FASB Codification*
Katelyn Woten, Black Hills State University

**FOGELMAN CLASSROOM BUILDING 125**
**Marketing**
**3:00-3:20 p.m.**
*Exploring Millennials’ Social Media Usage and Green Consumption*
Stephanie Bedard, Elon University

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**DUNN HALL 249 / 251**
**Biology**
**3:00-3:20 p.m.**
*Sequencing Reveals Integral Proteins in Arion Subfuscus Slug Glue*
Cassandra Papaleo, Ithaca College

**3:20-3:40 p.m.**
*Quantitative Trait Locus Analysis of Cold Tolerance in Maize*
Raean Goering, Hamline University

**3:40-4:00 p.m.**
*The Chronobiology of Fertility*
Mugdha Mokashi, University of Alabama at Birmingham

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**DUNN HALL 351**
**Health Sciences**
**3:20-3:40 p.m.**
*Female Athlete Triad and Incidence of Phantom Pain in Adolescent Female Athletes Following Tibial Stress Fracture*
Charly Sager, Virginia Commonwealth University

**3:40-4:00 p.m.**
*Harmonization of Sensor Measurements to Support Exposomic Research*
Nicole Burnett, University of Utah

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**ENGINEERING SCIENCE BUILDING 220**
**Electrical Engineering**
**3:00-3:20 p.m.**
*Carbon Nanotube Inductors*
Eric Williams, Eastern Washington University
3:20-3:40 p.m.
Fighting Student Hunger
Emily Faulds, Westmoreland County Community College

3:40-4:00 p.m.
How Complexity Induced Construal Affects the Perception of Advertising Messages
Gabrielle Corner, Elon University

FOGELMAN CLASSROOM BUILDING 259
Nursing
3:00-3:20 p.m.
Predictors of Mental Health-Related to Quality of Life in Adults with Type 2 Diabetes
Aminata Kamara, University of Pittsburgh School of Nursing

3:20-3:40 p.m.
Self Efficacy and Moral Distress in Bachelor of Science Nursing Students
James Bolt, Abilene Christian University

3:40-4:00 p.m.
Self-Efficacy and Self-Management in Children Transitioning to Insulin Pumps
Anesha Lee, University of South Alabama

FOGELMAN CLASSROOM BUILDING 127
Economics
3:20-3:40 p.m.
Crossing Frontiers on Economics: The Determinants of Economics Major Choice Among Domestic and International Female Students
Alexandre Baude, Pitzer College

3:40-4:00 p.m.
Debunking Welfare Myths: Factors That Lead Low-income Women to Participate in Government Programs
Gabrielle Minassian, Lafayette College

FOGELMAN CLASSROOM BUILDING 131
Economics
3:00-3:20 p.m.
The Effect of Health Status on Economic Growth
Desiree Domini, Pacific Lutheran University

3:20-3:40 p.m.
The Effect of the Hemlock Wooly Adelgid on Property Values in Watauga County, NC
Ben Sullivan, Appalachian State University

3:40-4:00 p.m.
The Effectiveness of the Best-Practices Approach to Getting Institutions Right in African Countries
Neysa Braimah, Lafayette College

FOGELMAN CLASSROOM BUILDING 133
Microbiology & Immunology
3:20-3:40 p.m.
Environmental Impact on Mycobacteriophage Isolation and Characterization
Shea Morris, Georgia College and State University
FOGELMAN CLASSROOM BUILDING 264
International Studies
3:00-3:20 p.m.
Forecasting the Coming Storm: A Discourse Analysis on the Construction of Extreme Weather Threats in Central America
Erin Campbell, American University

3:20-3:40 p.m.
German Language Acquisition for Refugees, Schöneberg-Berlin Case Study
Mary Kate Mueller, Long Island University

3:40-4:00 p.m.
Grammar and Agency in U.S. Media Constructions of Latin American Immigrants
Bill Kakenmaster, American University

FOGELMAN CLASSROOM BUILDING 265
International Studies
3:00-3:20 p.m.
The Road to Paris 2015: An In-depth Look at Multilateral Negotiation Strategy
Kay Tyson, Hendrix College

3:20-3:40 p.m.
The Role Of Community Activism In Integrating Immigrants In Spain
Erin Washington, Illinois College

FOGELMAN CLASSROOM BUILDING 267
International Studies
3:00-3:20 p.m.
Orthostatic Hypotension in Patients with Sensory and Sensorimotor Peripheral Neuropathy
Anup Chalia, White Station High School, University of Memphis2958]

JONES HALL 200
Education
3:00-3:20 p.m.
Bright/Bleak Futures: The Link Between Socioeconomic Status and Quality Education
William Gottlob, Black Hills State University

3:20-3:40 p.m.
Building Faculty-Student Partnerships Through Community Engaged Classes
Katherine Burt, Siena College

3:40-4:00 p.m.
Causes of Unintentional Segregation in Low-Income Charter Schools
Lauren Prather, Carthage College

JONES HALL 212
Literature
3:00-3:20 p.m.
"Reduced Circumstances": The Power of Female Knowledge and Public Memory
Samantha Swan, State University of New York-Brockport

3:20-3:40 p.m.
A Critique of American Reality T.V. in Collins’ The Hunger Games
Madison Choi, Chaminade University of Honolulu

3:40-4:00 p.m.
A Gender Study Through the Lens of American Poetry
Bethany Kuiken, Houghton College

JONES HALL 214
Literature
3:00-3:20 p.m.
One Legendarium to Rule Them All: J.R.R. Tolkien’s The Silmarillion
Bailee Christiansen, Dixie State College of Utah

3:20-3:40 p.m.
Our Islands, Our Stories: Narrative Voice in Kristiana Kahakauwila’s “This Is Paradise” (Abstract)
Amanda Monke, University of Illinois at Springfield

3:40-4:00 p.m.
Regulating the Bodies of the Body Politic: Chaos, Homosexuality, and Mutiny in Herman Melville’s Billy Budd
Samuel Hersh, Kent State University
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</tr>
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<td>3:40-4:00 p.m.</td>
<td>English</td>
<td>JONES HALL 218</td>
<td>The Burden of Emotions: The Manipulation of Love and Fear in Shakespeare’s Julius Cesar and George Lucas’s Star Wars Episode III: Revenge of the Sith</td>
<td>T’Quavious Johnson, Anderson College</td>
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<td>3:00-3:20 p.m.</td>
<td>Philosophy &amp; Ethics</td>
<td>JONES HALL 243</td>
<td>Covenantal Justice</td>
<td>Adam Henley, John Brown University</td>
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<tr>
<td>3:20-3:40 p.m.</td>
<td>English</td>
<td>JONES HALL 226</td>
<td>Painting the Whole Picture: Understanding the Many Functions of Art in Literature</td>
<td>Emily Gray, University of Tennessee at Chattanooga</td>
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<tr>
<td>3:40-4:00 p.m.</td>
<td>English</td>
<td>JONES HALL 237</td>
<td>Developing a Theology of Darkness: J.R.R. Tolkien &amp; C.S. Lewis on Caves</td>
<td>Kyriana Lynch, John Brown University</td>
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<tr>
<td>3:00-3:20 p.m.</td>
<td>Kinesiology &amp; Exercise Science</td>
<td>MANNING HALL 202</td>
<td>Effects of Aging, Fall History, and Fear of Falling on Lower Extremity Muscular Strength and Muscle Architectural Characteristics</td>
<td>Claire Dull, University of Nebraska at Kearney</td>
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<td>3:20-3:40 p.m.</td>
<td>English</td>
<td>JONES HALL 239</td>
<td>The Foci of Race and Religion Amongst Authors William Apess, Mary Rowlandson, and Zitkala Ša</td>
<td>Abigail Powers, Western Carolina University</td>
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<td>3:40-4:00 p.m.</td>
<td>English</td>
<td>JONES HALL 249</td>
<td>Performing Identity in Oscar Wilde’s The Picture of Dorian Gray</td>
<td>Heather Zima, Carthage College</td>
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<td>3:00-3:20 p.m.</td>
<td>English</td>
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<td>The Effects of Pedagogical Approach to Content Delivery on Student Success Within the Context of an Introductory and Foundational STEM Course</td>
<td>Jessica Mundy, Radford University</td>
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<td>3:20-3:40 p.m.</td>
<td>Education</td>
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<td>The Effect of Teaching Strategies on Student Engagement in High School Science</td>
<td>Bridget Alaniz, Midwestern State University</td>
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<td>3:40-4:00 p.m.</td>
<td>Education</td>
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<td>The Effects of Social-Emotional Learning on Children With Adverse Childhood Experiences</td>
<td>Danielle O’Reilly, Dominican University of California</td>
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3:20-3:40 p.m.
Effects of Lower Extremity Instability on Upper Extremity Throwing Kinematics
Gabrielle Gilmer, Auburn University

3:40-4:00 p.m.
Effects of Virtual Reality-Based Training on Upper Body Movement and Activities of Daily Life in Older Adults with Parkinson’s Disease
Adanna Cheek, Radford University

MANNING HALL 204
History
3:40-4:00 p.m.
Big History: Latest Intellectual Fad or Toxic Neoliberalist Ideology?
Elizabeth Savant, University of St. Francis

MANNING HALL 222
History
3:20-3:40 p.m.
India Through the British Lens: British Perceptions of India in the Nineteenth Century
Megan Owens, University of Evansville

3:40-4:00 p.m.
Autymn Garvisch, Dominican University of California

MANNING HALL 318
Communications
3:00-3:20 p.m.
Establishing an Online Presence for a Rural Business: Creating Congruency Between Internet Strategies and Brand to Enhance Audience Reach
Brittany Mlynek, Juniata College

3:40-4:00 p.m.
Food System Design Inquiry: Counter-Systeming the Wicked Problem
Mikayla Lydon, Ithaca College

3:20-3:40 p.m.
Lyrical Sentiment Has Decreased Over the Past 50 Years
Alexander Lacey, Ohio State University

MANNING HALL 320
Women, Gender, and Sexuality Studies
3:00-3:20 p.m.
Can Pornography Consumption Be Beneficial For Romantic Relationships?
Jordyn Randall, University of Nebraska at Kearney

3:20-3:40 p.m.
Chinese American Female Identity
Christine Lee, Brooklyn College

MANNING HALL 332
Religious Studies
3:00-3:20 p.m.
The Impact of a Youth Theology Institute on Spiritual and Moral Discernment in Adolescents
Jamie Stewart, Lubbock Christian University

3:20-3:40 p.m.
The Third Gender: Investigating Authority, Legitimacy, and the 21st Century in India’s Hijra Community
Justin Brown, Elon University

3:40-4:00 p.m.
Thomas Aquinas and the Resurrected Body
Victoria Burdette, Winthrop University

MANNING HALL 340
History
3:00-3:20 p.m.
Velleius’ Tiberius: A Literary Analysis of the Extent a Soldier Will Go to Preserve the Reputation of His Deranged Leader
Maddie Parrish, University of North Carolina at Greensboro
3:20-3:40 p.m.  
**MEEMAN JOURNALISM 106**  
Political Science  
3:20-3:40 p.m.  
Puerto Rico: Crisis and a Renewed Case for Self Determination  
Brandon Vick, Eastern Washington University  
3:40-4:00 p.m.  
Radicalization of the Redneck  
Kadijah Almarales, Southern Nazarene University

**MEEMAN JOURNALISM 112**  
Political Science  
3:20-3:40 p.m.  
Assessing Academic Accessibility at California University of Pennsylvania  
Claudia Pehowic, California University of Pennsylvania  
3:40-4:00 p.m.  
Candidate Positioning In U.S. House Elections: The Case of Donald Trump  
Jason Altabet, University of Rochester

**MEEMAN JOURNALISM 204**  
Law & Legal Studies  
3:00-3:20 p.m.  
Fourth Amendment Implications on the Search of a Smartphone  
Joshua Marshall, Ithaca College  
3:20-3:40 p.m.  
From Victim to Victorizer: The Case of Dominic Ongwen  
Nicole Ang, Ithaca College  
3:40-4:00 p.m.  
Hazardous Chemical Dumping  
Shannon Davis, Ithaca College

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**MANNING HALL 413**  
Computer Science  
3:20-3:40 p.m.  
Efficient and Scalable Protocol for Mobile Ad Hoc Networks  
Anatoliy Zinovyev, George Mason University  
3:40-4:00 p.m.  
Ensuring Fairly Timed Network Communication  
James Andrus, The Citadel

**MANNING HALL 417**  
Sociology  
3:20-3:40 p.m.  
Utah Valley University Leadership Classes and Motivation  
Camron Robinson, Utah Valley University  
3:40-4:00 p.m.  
What’s Wrong with Being Colorblind? the Role of Social Dominance in Adopting Racial Attitudes  
Alyssa Milosz, Trinity Christian College

**MANNING HALL 426**  
Religious Studies  
3:00-3:20 p.m.  
Muslim Women: A French Provocation  
Nora Hand, Lafayette College  
3:20-3:40 p.m.  
A Comparative Analysis of the Sociological Construction of Heresy as Exhibited Through Marguerite Porete and Charles Curran  
Amelia Giancario, Rhodes College  
3:40-4:00 p.m.  
All Roads Lead to the Reformation: the Protestant Reformation, Natural Philosophy, and the Rise of Science  
Wilson Whitener, St. Edward’s University
**PSYCHOLOGY AUDITORIUM A0200**  
**Experimental Psychology**  
3:00-3:20 p.m.  
Depression and Aggression in Children: Parent Perspective  
Mayra Ortega, St. Edward’s University  

3:20-3:40 p.m.  
Dissociating Visual Neglect and Neglect Dyslexia Following Stroke  
Margaret Moore, Indiana University  

3:40-4:00 p.m.  
Drink Up: A Closer Look at Cognitive Factors and Their Relationship with Habit and Behavior Change in the Context of Drinking Water for Improved Health in Emerging Adults  
Olivia Godfrey, University of North Carolina - Asheville

**PSYCHOLOGY BUILDING 230**  
**Geography & Earth Sciences**  
3:00-3:20 p.m.  
Bioaccumulation of PCB and Trace Metals in Fish from Utah Lake  
Victor Sanjinez, Utah Valley University  

3:20-3:40 p.m.  
Capturing the Lake Michigan Nearshore Ice Complex: The Development of Photogrammetric Field Methods  
James Van Eerden, University of Wisconsin - Milwaukee  

3:40-4:00 p.m.  
Characterization of Aquatic Humic Substances in the Potomac River Watershed  
Allison O’Neill, George Mason University

**PSYCHOLOGY BUILDING 204**  
**Behavioral Neuroscience**  
3:00-3:20 p.m.  
The Effects of Diet and Exercise on Brain-Derived Neurotrophic Factor and Activity-Regulated Cytoskeletal Protein in Rats Following a Working Memory Task  
Raven Davis, University of Memphis  

3:20-3:40 p.m.  
The Nature of Neural Activity in Hippocampus Evoked by an Object in Place Task  
Meghan Pavelka, Appalachian State University

**PSYCHOLOGY BUILDING 206**  
**Clinical Psychology**  
3:20-3:40 p.m.  
Us vs Them: The Impact of Viral Footage of Police Shootings on Civilian and Law Enforcement Populations  
Imani Rivers, Clark Atlanta University

**Sociology**  
3:40-4:00 p.m.  
Women’s Involvement in the Inside Out Prison Exchange Program  
Emily Grubbs, University of Toledo
Student Oral Session 5 - Fri 9:00am-10:00am

ART AND COMMUNICATION 247
Visual Arts
9:00-9:20 a.m.
Feminist Zine Culture in Los Angeles
Maria Carmier, Mount Saint Mary’s University

9:20-9:40 a.m.
Here Is Not Here
Daniel Berry, Colgate University

9:40-10:00 a.m.
Methods Used to Produce Waterscape Photographs: Filters Versus Digital Post-Processing
Ryan Hill, Virginia Commonwealth University

ART AND COMMUNICATION 257
Art History
9:00-9:20 a.m.
Examining Austin Peay State University’s Permanent Art Collection: Rediscovering the Jim and Nan Robertson Photographs
Sara Straussberger, Austin PEAY State University

9:20-9:40 a.m.
Imagery in the Congo: Provocative and Emotional Elements Forward the Movement
Meredith Hutchings, State University of New York-Brockport

9:40-10:00 a.m.
In the Beginning: Mayan Ceramics and Comparative Religion
Laurel Diciuccio, Anderson College Rainey Annex

ART AND COMMUNICATION 310
Graphic Design
9:00-9:20 a.m.
Are E-cigarettes Just as Bad as Regular Cigarettes?
Synclaire Moffatt, University of the Pacific

9:40-10:00 a.m.
Deconstructing Values of the Everyday Object
Anna Olinger, Iowa State University

COMMUNICATION AND FINE ARTS 124
Dance History and Theory
9:00-9:20 a.m.
Dance Education in Low Socio Economic Environments
Rebekah Sauls, Kennesaw State University

9:20-9:40 a.m.
Spectacular Spaces of Consumption
Ellen Watkins, Kennesaw State University

9:40-10:00 a.m.
The Jam: The Collaboration of Music and Dance Through Video
Sarah Givens, University of Southern Mississippi

DUNN HALL 103 / 105
African American Studies
9:00-9:20 a.m.
White Racial Formation In William Attaway’s “Blood On The Forge”
Samuel Clendenning, Occidental College-

DUNN HALL 107
Anthropology
9:00-9:20 a.m.
Performance and Perception of Gender Transgressions in Japanese Virtual Markets
Abigail Spanier, Wheaton College

9:40-10:00 a.m.
Responding to Zika: Community Health Workers and the Politics of Care in Nicaragua
Peter Lee, Brooklyn College

DUNN HALL 109
Architecture & Interior Design
9:00-9:20 a.m.
Floor Vibration Serviceability: Evaluation and Control
Kevin Duke, Virginia Polytechnic Institute & State University

9:20-9:40 a.m.
The Fenestration as Educator of the Exterior
Ida Pruitt, The Cooper Union
DUNN HALL 119 / 121
Biology
9:00-9:20 a.m.
Improving Bull Trout (Salvelinus confluentus) Passage at Dams: Testing the Efficacy of Three Fish Ladder Attractants Using Brook Trout (Salvelinus fontinalis) as a Surrogate Species
Ashley Bromberg, Eastern Washington University

9:20-9:40 a.m.
A Common Garden Herbicide Inhibits Tunneling Behavior in Harvester Ants
Joseph Elfrink, Webster University

DUNN HALL 123/125
Biology
9:00-9:20 a.m.
Genomic Analysis: A Reflection on Biology, Counseling, and Ethics
Madeleine Tjoelker, Trinity Christian College

9:20-9:40 a.m.
Geometric Morphometrics of Median Fins in Basal Bony Fishes
Austin Parrish, Eastern Illinois University

9:40-10:00 a.m.
Hairy-related 9 (her9) and Vasculogenesis in the Vertebrate Retina
Vince Gouge, University of Kentucky

DUNN HALL 124
Cell & Molecular Biology
9:00-9:20 a.m.
Ginkgo biloba as a Potential Neuroprotectant for Stroke
Kelcy McIntyre, Cedar Crest College

9:20-9:40 a.m.
Hairy Roots of Bixa orellana as a Platform for the Study of Delta-tocotrienol Bioproduction and Anti-inflammatory Activity
Jarrod Creameans, Arkansas State University

9:40-10:00 a.m.
Harnessing the Plant Lectin RTB for Improved Delivery of Therapeutic Fish Cytokine Interleukin-22
Brandi Mize, Arkansas State University

DUNN HALL 129
Cellular Neuroscience
9:00-9:20 a.m.
Role of USP14 in the Degradation of Aggregate-Prone Proteins
Tina Tian, University of Alabama at Birmingham

9:20-9:40 a.m.
β-amyloid Aggregation in Alzheimer’s Neurodegeneration: Using Bacillus subtilis Natto to Degrade E. coli Induced Amyloids
Monika Devanaboyina, Virginia Commonwealth University

DUNN HALL 225 / 227
Chemistry
9:00-9:20 a.m.
Speedy Breedy Analysis in Quantification of Saccharomyces cerevisiae Cell Concentrations
Boukar Faye, Appalachian State University

9:20-9:40 a.m.
Synthesis and Antibacterial Studies of Naphthalene Containing Pyrazole-derived Hydrazones
Evan Delancey, Arkansas State University

9:40-10:00 a.m.
Synthesis and Characterization of a 4-(N,N-dimethylamino) Phthalimide-Substituted Amino Acid, a Polarity-Sensitive Fluorophore
Stephen Sekoulopoulos, Valparaiso University
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:00-9:20 a.m.</td>
<td>DUNN HALL 233</td>
<td>Ecology &amp; Organismal Biology</td>
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<td>Evolution of Genome Size in Snapping Shrimp (Family Alpheidae)</td>
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<td>Dylan Gnatz, Seattle University</td>
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<td>9:20-9:40 a.m.</td>
<td>DUNN HALL 233</td>
<td>Hungry Hungry House Sparrows: Communicating Need in Passer Domesticus</td>
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<td>Olivia Utley, University of Kentucky</td>
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<td>9:40-10:00 a.m.</td>
<td>DUNN HALL 220</td>
<td>Nutrient Cycling in a Human Dominated Coastal Ecosystem</td>
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<td>Brooke Blosser, North Carolina State University</td>
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<td>DUNN HALL 249 / 251</td>
<td>Biology</td>
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<td>9:00-9:20 a.m.</td>
<td>The Evolution of Human Pregnancy</td>
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<td>Kevin Jones, Montana State University Bozeman</td>
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<td>The Expression of Marchantia polymorpha AMT Genes in a Mutant Strain</td>
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<td>of Saccharomyces Cervisiae</td>
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<td>Livianna Myklebust, St. Catherine University</td>
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<td>DUNN HALL 351</td>
<td>Health Sciences</td>
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<td>9:00-9:20 a.m.</td>
<td>Heating Things Up to Improve Type 2 Diabetes</td>
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<td>Lanazha Belfield, Winston-Salem State University</td>
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<td>9:20-9:40 a.m.</td>
<td>Marketing an Exercise Program Through Active Participation by the</td>
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<td>Dana Rodriguez, Radford University</td>
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<td>9:40-10:00 a.m.</td>
<td>Maternal Nicotine Exposure Prior to and During Pregnancy and Nursing</td>
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<td>Increases Offspring Obesity Risk</td>
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<td>Joshua Preston, University of Kentucky</td>
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<td>ENGINEERING SCIENCE BUILDING 218</td>
<td>Biomedical Engineering</td>
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<td>9:40-10:00 a.m.</td>
<td>In Situ Quantification of Adsorbed Human Serum Proteins on Electrospun</td>
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<td>Polydioxanone Templates</td>
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<td>Lauren Wilson, University of Memphis</td>
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<td>ENGINEERING SCIENCE BUILDING 220</td>
<td>Electrical Engineering</td>
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<td>9:00-9:20 a.m.</td>
<td>Emergency Gsm Network for Disaster Rescue Operations</td>
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<td>ERIN BRATU, University of Mississippi</td>
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<td>Evaluation and Characterization of Laser Treated Poly(methyl</td>
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<td>Israel Palacios, University of Central Oklahoma</td>
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THE UNIVERSITY OF MEMPHIS
9:20-9:40 a.m.  
**Does Financial Aid Impact Student Success at Regional Comprehensive Universities in the U.S.? A Panel Data Approach**  
Donya Quarnstrom, Eastern Washington University

**FOGELMAN CLASSROOM BUILDING 131**  
Economics

9:00-9:20 a.m.  
**The Effects of Immigration on the Low-Skilled Labor Force in the US**  
Joshua Silver, Lafayette College

**FOGELMAN CLASSROOM BUILDING 133**  
Microbiology & Immunology

9:20-9:40 a.m.  
**Isolating Novel Bacteria from the Cecum of a Hibernating Ground Squirrel**  
Sarah Dettle, University of Minnesota, Duluth

9:40-10:00 a.m.  
**Long-chain Acyl-CoA Synthetase (ACSL) Blockade in Cell Lines of Diverse Host Species Has Unique Effects on Chlamydia Trachomatis Growth**  
Ian Wolf, Ithaca College

**FOGELMAN CLASSROOM BUILDING 259**  
Nursing

9:00-9:20 a.m.  
**Skin-to-Skin Care During Cesarean Births: A Mother’s Fears and Expectations**  
Kristen Bertrand, University of Alabama in Huntsville

9:20-9:40 a.m.  
**Sleep in the Caregivers of Children with Type 1 Diabetes**  
Anna Allende, University of Pittsburgh School of Nursing

9:40-10:00 a.m.  
**The Experience of Disease-Related Stigma Among Ebola Survivors in a Western Uganda Community**  
Jeanette Spanjers, University of Minnesota, Twin Cities
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| 9:00-9:20 a.m. | FOGELMAN CLASSROOM BUILDING 261  
**Physics**  
Healthcare Systems: The Role of Medical Education and Doctors in the Functioning of the Healthcare Systems of the United States and Ecuador  
Kathryn Brueggeman, Illinois College  
Optical Properties of Graphene-polymer Matrix Composite: Determining Composition Via Back Scattering Light Spectroscopy  
Larry Baker, University of Memphis  
Optimization of Multiple-Cavity Systems for Dark Matter Axion Searches  
Asiyah Din, Indiana University  |
| 9:20-9:40 a.m. |  
How to Improve Japanese People’s Global and National Identity?: Effects of Foreign Experience, Value Orientation, and Life Satisfaction  
Alva Soong, Musashino University  |
| 9:40-10:00 a.m. |  
The Visegrad Curtain? Central Europe’s Response to the Migration Crisis  
Andrew Wargofchik, Lafayette College  
Decolonizing Jurisprudence: Utilizing Human Rights Reinterpretations from the Inter-American Court of Human Rights for Mapuche Rights Claims  
Emily Kawahigashi, Seattle University  |
| 9:40-10:00 a.m. | JONES HALL 200  
**Education**  
Preparing Teacher Candidate For Diverse Classroom  
Ryan Borges, Northern Michigan University  
Changes in Intercultural Competency Among Undergraduate Students in Elementary Education  
Meredez Johnson, Minnesota State University, Mankato  |
| 9:40-10:00 a.m. |  
Characteristics of Curriculum to Promote Self-Determination Skills for Students with Severe Disabilities:  
Erin Ohnemus, Bridgewater State University  |
| 9:20-9:40 a.m. |  
Protein Hydrogel Dynamics Described Using Force Spectroscopy  
Kirill Shmilovich, University of Wisconsin - Milwaukee  |
| 9:40-10:00 a.m. |  
Examining Reallocation of Routine Dental Procedures: Using Dental Practitioners to Perform Routine Procedures in Order to Unburden Lower Socioeconomic Classes  
Argie Limberis, Virginia Commonwealth University  |
| 9:40-10:00 a.m. |  
Factors Affecting Super-spreading of Epidemics: A Study of Infection in Peromyscus  
Anastasia Toumpas, Wells College  |
## JONES HALL 212

### Literature

**9:20-9:40 a.m.**  
*Aquinas’ Hymns and Classical Criticism*  
David Nussman, Xavier University

**9:40-10:00 a.m.**  
*Assimilation: A Debunked Notion*  
Victoria Rodriguez, University of the Pacific

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## JONES HALL 214

### Literature

**9:00-9:20 a.m.**  
*Renegotiating Beckett’s Fourth Wall: The Naturalist Space as the Crucible for Tragedy in the Later Works*  
Carter Wenger, University of Memphis

**9:20-9:40 a.m.**  
*Resolving the Infinite Gest: Don Gately as Narrator of “Infinite Jest”*  
Jessica Berchtold, Capital University

**9:40-10:00 a.m.**  
*Science and Literature: An Exploration Through a Shared Language*  
Maura Stovall, Eastern Kentucky University

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## JONES HALL 218

### English

**9:20-9:40 a.m.**  
*A Ruin So Strange It Must Never Have Happened:*  
The Silencing of Narratives in The Poisonwood Bible and Lord of the Flies  
Virginia Harris, Anderson College

**9:40-10:00 a.m.**  
*A Still Moment* of Colonial Impulse  
Leslie Robertson, University of West Georgia

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### Poetry & Creative Writing

**9:00-9:20 a.m.**  
*This Marble Monument: Penning Elegies and Eulogies in the Style of W. H. Auden*  
Emma Carpenter, Houghton College

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## JONES HALL 226

### English

**9:00-9:20 a.m.**  
*Dialogue in Trauma Poetry*  
Abigail Goodhart, Capital University

**9:20-9:40 a.m.**  
*Dick Diver’s Demise: Mimetic Desire and the American Dream in Tender Is the Night*  
Shaley Lensegrav, Black Hills State University

**9:40-10:00 a.m.**  
*Do You Hear What I Hear: The Rhetorical Styles of God and Satan in Milton’s Paradise Lost*  
Makayla Smith, Western Carolina University

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## JONES HALL 237

### Education

**9:00-9:20 a.m.**  
*The Impact of a Residential Program on the Lives of Urban Public Charter School Students*  
Brandan Persaud, American University

**9:40-10:00 a.m.**  
*The Investigation of Similarities and Differences Between Perceptions of Male and Female Teachers Regarding Male Teachers in the Elementary Grades*  
Benjamin Dickey, Stephen F. Austin State University

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### Journalism

**9:20-9:40 a.m.**  
*Gen Z’s First Election and Use of Social Media*  
Sydney O’Shaughnessy, Ithaca College

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## JONES HALL 239

### English

**9:00-9:20 a.m.**  
*The Pen Is Mightier: Creative Undergraduate Expression on Social Justice*  
Stephanie Karpeuk, Cedar Crest College

**9:20-9:40 a.m.**  
*The Plague of Neoliberalism in Colson Whitehead’s Zone One*  
Brendan Kehoe, Seattle University
9:40-10:00 a.m.
The Politics of Pathos: The Aesthetic Presence of Dante in The Story of Rimini
Meredith Hilliard, Mississippi State University

MANNING HALL 204
History
9:00-9:20 a.m.
Blood Will Tell: The Modern Legacy of the American Eugenics Movement
Holley Hughes, University of Central Oklahoma

9:20-9:40 a.m.
Cullen Smith, Hope College

9:40-10:00 a.m.
Minnesota’s Miracles: Education Reforms That Took Minnesota to the Head of the Class
James Zimmerman, Hamline University

JONES HALL 243
Philosophy & Ethics
9:20-9:40 a.m.
Dissolving Harrop’s Semantic Paradox Concerning Moral Error Theory
Melvin Davila Martinez, Utah Valley University

9:40-10:00 a.m.
Dissolving Harrop’s Semantic Paradox Concerning Moral Error Theory
Melvin Davila Martinez, Utah Valley University

MANNING HALL 222
History
9:00-9:20 a.m.
Linguistic Purism in Croatia and the Faroe Islands
Ambjoern Mortensen, University of Wisconsin - Superior

9:20-9:40 a.m.
Migration or Conquest?: German Identity in the United States, 1860-1920
Noah Bender, University of Rochester

9:40-10:00 a.m.
Minnesota’s Miracles: Education Reforms That Took Minnesota to the Head of the Class
James Zimmerman, Hamline University

JONES HALL 249
English
9:00-9:20 a.m.
Permitting No Enemies: The Defeat of Determinism by Free Will in Cormac McCarthy’s No Country for Old Men
Starlina Rose, William Peace University

9:20-9:40 a.m.
Poe and Whitman: Leaving Similar Marks of Beauty
Kendall Kartaly, Valparaiso University

9:40-10:00 a.m.
Poe’s Place in American Cannon: Analysis of The Narrative of Arthur Gordon Pym of Nantucket and Melville’s Moby Dick
Carra Hurley, Western Carolina University

MANNING HALL 202
Kinesiology & Exercise Science
9:00-9:20 a.m.
Factors Contributing to the Walk-to-Run Transition in Human Gait
Thomas Otley, Asbury University

9:20-9:40 a.m.
Impact of an Affect-Based Exercise Prescription on Aerobic Fitness and Exercise Adherence
Nicole Doolen, Elon University

9:40-10:00 a.m.
Impact of Regular Exercise on Communication and Quality of Life for People with Aphasia
Adam Peronto, University of Wisconsin - Eau Claire

MANNING HALL 318
Communications
9:00-9:20 a.m.
How Do Kenyan Women Living in Diaspora Shape Their Sexual Reproductive Health Through Narrative?
Stephanie Njeru, Juniata College

9:20-9:40 a.m.
How Romantically Themed Television Influences College Students’ Views on Relationships
Kaitlyn Macisco, Eastern Connecticut State University
MANNING HALL 320
Women, Gender, and Sexuality Studies
9:00-9:20 a.m.
Devadasi Practice, Criminalization, and Reform: A Strengthening of Patriarchal Authority
Brianna Birchett, Elon University

9:20-9:40 a.m.
Diaspora, Displacement, and Disidentification: Queer Spaces of Limited Resistance
Elijah Castillo, City University of New York- Brooklyn College

9:40-10:00 a.m.
Effect of News Media on Female Politicians
Anna Dore, University of Central Oklahoma

MANNING HALL 332
Religious Studies
9:00-9:20 a.m.
Troubling Binaries: Exploring Femininity in Hagiographies of the Early Monastic Period
Madison Kuenzli, Rhodes College

9:20-9:40 a.m.
Walking the Line: An Analysis of the Museum on the Seam in Jerusalem and Its Artful Address to the Holy City and Its Religious and Secular Inhabitants
Eileen Yohannes, University of California, Davis

9:40-10:00 a.m.
Welcoming Refugees: A Theological Perspective
Natalia Rivera, Our Lady of the Lake University

MANNING HALL 340
Criminology
9:20-9:40 a.m.
Relationships Between Black Students and Authority; Alleviating the Social Unrest Between Black Students and Law Enforcement at the University of Central Oklahoma
Jaylon Thomas, University of Central Oklahoma

9:40-10:00 a.m.
The War on Drugs and Mass Incarceration
Dominique Malone, University of Tennessee at Chattanooga

MANNING HALL 413
Computer Science
9:00-9:20 a.m.
Automatic Generation of Optimal Quantum Key Distribution Protocols
Michael Nelson, Iona College

9:20-9:40 a.m.
Estimating Daily Beehive Activities Using Image Processing
Jonathan Brotherton, Appalachian State University

9:40-10:00 a.m.
Frequency Spectrum Sharing and Priority Assignment in Communication Systems
Branden Austin, University of Toledo

MANNING HALL 417
Sociology
9:00-9:20 a.m.
Exploration of Capitalistic Encroachment on Sense of Place Within the La Crosse Communities Relationship to the La Crosse Marsh
Samantha Beilfuss, University of Wisconsin - La Crosse

9:20-9:40 a.m.
Family, God, and Womanhood: Latina Higher Education Decision Making
Amanda Hernandez, University of Texas at San Antonio

9:40-10:00 a.m.
Female Facial Beauty Enhanced by Cosmetics and Perceived Fertility
Vibha Shekhar, Virginia Commonwealth University

MANNING HALL 426
Religious Studies
9:20-9:40 a.m.
Atheist Discrimination in America Real or Imagined?
Lauren Stogner, Western Carolina University

9:40-10:00 a.m.
Changes in Core Identity and Cultural Engagement After Expansion of Theological Understanding
Jonathan Wynne, Lubbock Christian University
**MEEMAN JOURNALISM 106**  
Political Science  
9:20-9:40 a.m.  
Regime Type and Its Effect on Life Expectancy  
Randall King, Hendrix College

**MEEMAN JOURNALISM 112**  
Political Science  
9:00-9:20 a.m.  
Case Study: A Political-Economic Analysis of the American Taxpayer Relief Act of 2012  
Martin Maldonado, American University

**MEEMAN JOURNALISM 204**  
Law & Legal Studies  
9:00-9:20 a.m.  
Impact of States’ Farm Animal Welfare Legislation on CAFOs  
Morgan Harris, American University

**PSYCHOLOGY BUILDING 206**  
Clinical Psychology  
9:20-9:40 a.m.  
Association Between Trauma, Body Modification, and Self Harm  
Rachel Ulozas, William Peace University

**PSYCHOLOGY BUILDING 204**  
Behavioral Neuroscience  
9:00-9:20 a.m.  
The Role of Postsynaptic Phosphorylation in Synaptic Plasticity in Drosophila  
Kristin Schlueter, Truman State University

**PSYCHOLOGY BUILDING 206**  
Cognitive Neuroscience  
9:00-9:20 a.m.  
Anxiety and Nostalgia: Implementation of Nostalgic-based Strategies in University Counseling Practices  
Rashmi Naidu, Virginia Commonwealth University

**MEEMAN JOURNALISM 112**  
Political Science  
9:20-9:40 a.m.  
Changing Gender Roles in Post-Reform Vietnam  
Anvy Tran, Juniata College

**PSYCHOLOGY BUILDING 230**  
Geography & Earth Sciences  
9:40-10:00 a.m.  
Surface Layer Climatological Analyses of Atmospheric Data at the VCU Rice Rivers Center  
Joseph Robinson, Virginia Commonwealth University

**MEEMAN JOURNALISM 204**  
Law & Legal Studies  
9:20-9:40 a.m.  
Surface Layer Climatological Analyses of Atmospheric Data at the VCU Rice Rivers Center  
Joseph Robinson, Virginia Commonwealth University

**PSYCHOLOGY BUILDING 204**  
Behavioral Neuroscience  
9:00-9:20 a.m.  
The Religiosity of LSD Users with Pre-existing Schizophrenic Tendencies  
Kailey Babcock, Virginia Commonwealth University

**PSYCHOLOGY BUILDING 206**  
Clinical Psychology  
9:20-9:40 a.m.  
Association Between Trauma, Body Modification, and Self Harm  
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Joseph Robinson, Virginia Commonwealth University

**MEEMAN JOURNALISM 204**  
Law & Legal Studies  
9:20-9:40 a.m.  
Impact of States’ Farm Animal Welfare Legislation on CAFOs  
Morgan Harris, American University

**PSYCHOLOGY AUDITORIUM A0200**  
Experimental Psychology  
9:20-9:40 a.m.  
Familiarity and Reinforcement Interact to Predict Performance in the Presence of Others  
Sydney Batchelder, Eastern Connecticut State University

**PSYCHOLOGY BUILDING 244**  
Geography & Earth Sciences  
9:20-9:40 a.m.  
The Religiosity of LSD Users with Pre-existing Schizophrenic Tendencies  
Kailey Babcock, Virginia Commonwealth University
Student Oral Session 6 - Fri 12:00pm-1:00pm

ART AND COMMUNICATION 257
Art History
12:00-12:20 p.m.
Judith of Bethulia: Deceitful Seductress or Chaste Savior
Amy Orner, Juniata College

12:20-12:40 p.m.
Kabuki and Dumb Type
Joanne Adams, University of Central Oklahoma

12:40-1:00 p.m.
Kim Kardashian and the Interruption of the Male Gaze in the Historic Female Self Portraits of the Countess De Castiglione
Dorothe Santistevan, University of North Carolina - Asheville

ART AND COMMUNICATION 310
Graphic Design
12:00-12:20 p.m.
Genetically Modified Organisms
Kellie Macauley, University of the Pacific

12:20-12:40 p.m.
Stop the Shortage on Education
Kirsten Doting, University of the Pacific

12:40-1:00 p.m.
Switching to Sustainable Palm Oil Production
Kristina Davis, University of the Pacific

ART AND COMMUNICATION 317
Music
12:20-12:40 p.m.
Defining Music Performance Anxiety: Causes and Coping Strategies
Rachel Whitman, Appalachian State University

COMMUNICATION AND FINE ARTS 124
Art History
12:00-12:20 p.m.
Intersections in Contemporary Chinese Art: Where Tradition Meets Innovation
Amanda Matta, Juniata College

Music
12:20-12:40 p.m.
Radiohead and the Evolution of Music Theory
Jackson Van Horn, Appalachian State University

12:40-1:00 p.m.
Redefining Femininity Through Music From A New Hope to The Force Awakens
Hannah Blanchette, Ithaca College

DUNN HALL 103 / 105
African American Studies
12:20-12:40 p.m.
To Be Black, Female, and Already Dead: Black Women, Discourses on Value, and Disposability
Itane’ Coleman, University of North Carolina at Greensboro

DUNN HALL 107
Anthropology
12:00-12:20 p.m.
Self, Agency, and Community in Houseless Settlements in Portland, Oregon
Asher Trout, Wheaton College

12:20-12:40 p.m.
Sex Determination from Hand and Foot Bone Lengths: An Experimental Application
Alexander Dawes, California University of Pennsylvania

12:40-1:00 p.m.
Shared Identities and Displacement: Gathering Rwandan Perceptions of Burundian Refugees
Lacy Myrman, The George Washington University
DUNN HALL 119 / 121
Biology
12:00-12:20 p.m.
A Link Between Endemism and Seed Morphology in Solidago Shortii
Evan Singleton, Eastern Kentucky University
12:20-12:40 p.m.
A Modified Ketogenic Diet Attenuates Motor Disability and Cognitive Impairment in a Murine Model of Multiple Sclerosis (MS)
Jenny Willis, Saint Vincent College
12:40-1:00 p.m.
A Survey of β-lactam Antibiotic Resistance in Minnesota Soils
Emily Wollmuth, Hamline University

DUNN HALL 123/125
Biology
12:00-12:20 p.m.
Halsted’s “see One, Do One, and Teach One” Versus Peyton’s Four-Step-Approach – a Randomized Trial for Training of Laparoscopic Suturing and Knot Tying
Sarah Trent, Loyola University Maryland
12:20-12:40 p.m.
Harvester Ants - Herbicide Components Responsible for Behavioral Inhibition
Krystal Meza, Webster University
12:40-1:00 p.m.
How Do Sand Boas Capture Prey They Cannot See?
Michelle Pomposello, Moravian College

DUNN HALL 124
Cell & Molecular Biology
12:00-12:20 p.m.
Hepatotoxicity Testing of Acetaminophen in Two- and Three-Dimensional Rat Hepatocyte Cultures
Margaret Clapham, Drake University
12:40-1:00 p.m.
High-frequency Ultrasound as a Means for Monitoring Changes in Biomechanics of Cancer Cells
Caitlin Carter, Utah Valley University

DUNN HALL 129
Cellular Neuroscience
12:00-12:20 p.m.
The Neurodegenerative Effects of Zinc Buildup in the Brain Following Methamphetamine Treatment
Alyssa Thompson, University of North Georgia
12:20-12:40 p.m.
Ultrastructure of the Substantia Nigra in Schizophrenia and Treatment Response
Courtney Walker, University of Alabama at Birmingham

DUNN HALL 225 / 227
Chemistry
12:00-12:20 p.m.
Synthesis and Characterization of Smart Polymer-Grafted Silica
Maria Brandel, University of Wisconsin - Eau Claire
12:20-12:40 p.m.
Synthesis and Reactivity of New Borohydride Compounds
Brena Thompson, Eastern Washington University

DUNN HALL 233
Ecology & Organismal Biology
12:00-12:20 p.m.
Soil Microbial Diversity and Ecology in Response to Nitrogen Additions
Emmi Mueller, University of Michigan
12:20-12:40 p.m.
The In Vitro and In Vivo Effects of PolyDOTs on the Eastern Oyster, Crassostrea virginica.
Daniel Smith, University of North Carolina, Charlotte
12:40-1:00 p.m.
The Influence of Arbuscular Mycorrhizal Fungi on Above Ground Species Interactions
Isabelle Katz, University of Michigan
**Student Oral Session 6 - Fri 12:00pm-1:00pm**

**DUNN HALL 249 / 251**

**Biology**
12:00-12:20 p.m.
The Roles of Non-structural Protein 1 in Flavivirus Assembly
Morgan Schafer, Purdue University Main Campus

12:20-12:40 p.m.
Understanding SIN3 Regulation and Recruitment in Drosophila melanogaster
Maksymilian Pilecki, Wayne State University

**Mathematics**
12:40-1:00 p.m.
A Mathematical Approach to Characterize the Transmission Dynamics of Yersinia pestis
Heather Polgrean, Mount Saint Mary College

**DUNN HALL 351**

**Health Sciences**
12:00-12:20 p.m.
Misunderstandings of Type 1 and Type 2 Diabetes Among Uninsured Primary Care Patients
Shannon Weaver, University of Utah

12:20-12:40 p.m.
Ontology-based Representation and Analysis of Adverse Events Associated with Neuropathy-inducing Drugs
Noemi Garg, University of Michigan

12:40-1:00 p.m.
Pretherapy Work Limitations in Postmenopausal Women with Early Stage Breast Cancer
Erin Zita, University of Pittsburgh School of Nursing

**ENGINEERING SCIENCE BUILDING 220**

**Electrical Engineering**
12:00-12:20 p.m.
Improved Model for Current Feedback Operational Amplifiers
Michael Aceto, Milwaukee School of Engineering

12:20-12:40 p.m.
Limits of Heintzmann and Cremer’s Super Resolution Technique
William McCray, Western Carolina University

**ENGINEERING SCIENCE BUILDING 222**

**Mechanical Engineering**
12:00-12:20 p.m.
Effects of Confinement Geometry on Diblock Copolymer Systems Using Finite Element Analysis
Jonathan Green, Iowa State University

12:20-12:40 p.m.
Experimental and Simulated Analysis of 3D Printed Parts Under Impact
Matthew Hoffman, California State University - Long Beach

12:40-1:00 p.m.
Experimental Characterization of the Tensile Strength of Titanium Parts Manufactured by Direct Metal Laser Sintering Process
Katherine Ludeman, Metropolitan State University of Denver

**DUNN HALL 249**

**Biology**
12:00-12:20 p.m.
Measuring Complex Biomarkers in Human Cell Lysate Using Arrayed Imaging Reflectometry (AIR)
Hayden Carder, University of Rochester

12:40-1:00 p.m.
Novel Endothelium-Mimicking Nanomatrix Coating to Enhance Healing of Ruptured Intracranial Aneurysms Treated with Coil Embolization
Maggie Collier, University of Alabama at Birmingham

**ENGINEERING SCIENCE BUILDING 218**

**Biomedical Engineering**
12:00-12:20 p.m.
Laboratory Model of Inner Ear Mechano-Transduction
Ibrahim Mohammad, University of Rochester
<table>
<thead>
<tr>
<th>Event Time</th>
<th>Event Title</th>
<th>Location</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00-12:20 p.m.</td>
<td>Overcoming the Great Wall of Business</td>
<td>FOGELMAN CLASSROOM BUILDING 119</td>
<td>Emily Turner, Appalachian State University</td>
</tr>
<tr>
<td>12:20-12:40 p.m.</td>
<td>Preparing for the Nuclear Option: How Can Christian Colleges Plan to Survive the Loss of Tax-Exempt Status?</td>
<td>FOGELMAN CLASSROOM BUILDING 133</td>
<td>Oluwaseyi Matthew Ojo, Dordt College</td>
</tr>
<tr>
<td>12:40-1:00 p.m.</td>
<td>Search for the Z-Prime Boson Using the ATLAS Detector at the Large Hadron Collider (LHC) at CERN</td>
<td>FOGELMAN CLASSROOM BUILDING 259</td>
<td>Veronica Winters, Bellamine University</td>
</tr>
<tr>
<td>12:00-12:20 p.m.</td>
<td>The Influence of Individual Factors and Common Variants of Catechol-O-methyltransferase on Symptoms Experienced by Postoperative Orthopedic Patients</td>
<td>FOGELMAN CLASSROOM BUILDING 131</td>
<td>Christina Kudach, University of Pittsburgh School of Nursing</td>
</tr>
<tr>
<td>12:20-12:40 p.m.</td>
<td>The Use of Video Calls in Early Labor Care: Exploring Provider Perceptions</td>
<td>FOGELMAN CLASSROOM BUILDING 131</td>
<td>Sarah Smeltzer, Baylor University</td>
</tr>
<tr>
<td>12:40-1:00 p.m.</td>
<td>Zapping Zika Through Education</td>
<td>FOGELMAN CLASSROOM BUILDING 131</td>
<td>Averi Edwards, Abilene Christian University</td>
</tr>
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</tr>
<tr>
<td>12:20-12:40 p.m.</td>
<td>Lysine Acetylation Regulates Biofilm Formation in Mycobacterium smegmatis</td>
<td>FOGELMAN CLASSROOM BUILDING 133</td>
<td>Gema Hernandez, William Peace University</td>
</tr>
<tr>
<td>12:40-1:00 p.m.</td>
<td>Resistance of Multi-species Biofilms to Ultrasonic Disruption</td>
<td>FOGELMAN CLASSROOM BUILDING 125</td>
<td>Taryn McFadden, Guilford College</td>
</tr>
<tr>
<td>12:00-12:20 p.m.</td>
<td>On Campus Dining Options: Subway &amp; Market Fresh Deli</td>
<td>FOGELMAN CLASSROOM BUILDING 125</td>
<td>Jessica Jenvis-Viville, University of West Georgia</td>
</tr>
<tr>
<td>12:20-12:40 p.m.</td>
<td>Online User Satisfaction of Far Out Galaxy</td>
<td>FOGELMAN CLASSROOM BUILDING 125</td>
<td>Alexandra Gunter, University of West Georgia</td>
</tr>
<tr>
<td>12:40-1:00 p.m.</td>
<td>The Relationship Between Income and the Hospitalization Rates of Ambulatory Care Sensitive Conditions</td>
<td>FOGELMAN CLASSROOM BUILDING 131</td>
<td>Justin Morin, Elon University</td>
</tr>
</tbody>
</table>
FOGELMAN CLASSROOM BUILDING 262
Public Health
12:00-12:20 p.m.
Going to War With Type II Diabetes: Insights into Improved Insulin Sensitivity
Zakiyah Henry, Winston-Salem State University

12:20-12:40 p.m.
Healing the Brain: Mild Traumatic Brain Injury in Central Vancouver Island
Amanda Inglis, Vancouver Island University

12:40-1:00 p.m.
Healthcare for All: A Roadmap for a Healthier Georgia
Vineet Raman, University of Georgia

JONES HALL 200
Education
12:00-12:20 p.m.
Cracking the Code: Redefining Text Complexity, Complicating Reading Pedagogy, Creating Lifelong Readers and Learners
Sarah Bruns, Bridgewater State University

12:20-12:40 p.m.
Developing 5th Graders’ Understanding of Fraction Multiplication
Kayla Davis, Salisbury University

12:40-1:00 p.m.
Developing an Application for Interdisciplinary Wikipedia Content Search Using Network-Based Models
Avisha Sabaghian, University of Utah

FOGELMAN CLASSROOM BUILDING 264
International Studies
12:00-12:20 p.m.
Institutionalized Xenophobia: The Effects of an Electorate’s Prejudice on Swiss Institutions
Nadia Almasalkhi, University of Kentucky

12:20-12:40 p.m.
Machismo and Language: A Comparative Study of Gendered Linguistics and Gender Relations in Society
Sophia Angst, Elon University

JONES HALL 212
Literature
12:00-12:20 p.m.
Jade Hall, University of Central Oklahoma

12:40-1:00 p.m.
Don’t Go Breaking My Troth: Contrasting “The Franklin’s Tale” and Sir Gawain and the Green Knight
J’LeCia Jones, University of Central Oklahoma

JONES HALL 214
Literature
12:00-12:20 p.m.
Slaughterhouse-Five and Not-Slaughterhouse-Five: A Zen Reading of the Tralfamadorean Philosophy
Thanh Huynh, University of Central Oklahoma

12:20-12:40 p.m.
Social Justice and Critical Literacy in Annie on My Mind
Callie Newman, University of Central Oklahoma

12:40-1:00 p.m.
Social Justice for Immigrants in Young Adult Literature
Isra Cheema, University of Central Oklahoma

Political Science
12:20-12:40 p.m.
Political Privilege and a Free Pass on Justice
Santana Batts, William Peace University

JONES HALL 215
International Studies
12:00-12:20 p.m.
Why Do They Leave? The Status of Guatemalan Female Migrants Under International Law
Caroline Moot, The George Washington University

12:20-12:40 p.m.
Social Justice and Critical Literacy in Annie on My Mind
Callie Newman, University of Central Oklahoma

12:40-1:00 p.m.
Social Justice for Immigrants in Young Adult Literature
Isra Cheema, University of Central Oklahoma
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</tr>
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<tr>
<td>12:00-12:20 p.m.</td>
<td><strong>English</strong></td>
<td>&quot;A Voice of Her Own: Jane Austen’s Mansfield Park&quot;</td>
<td>Mardell Fisher</td>
<td>Carthage College</td>
</tr>
<tr>
<td>12:20-12:40 p.m.</td>
<td><strong>English</strong></td>
<td>&quot;As They Are Approved by the Word of God&quot;: Mirrored Acts of Knowledge Transmission in Lady Grace Medications and Medical Papers&quot;</td>
<td>Eileen Jakeway</td>
<td>University of North Carolina, Charlotte</td>
</tr>
<tr>
<td>12:40-1:00 p.m.</td>
<td><strong>English</strong></td>
<td>&quot;An Ethiop Tells You&quot;: Methodist Teachings in the Poetry of Phillis Wheatley</td>
<td>Amelia Fuss</td>
<td>Bridgewater State University</td>
</tr>
<tr>
<td><strong>JONES HALL 226</strong></td>
<td><strong>English</strong></td>
<td>Elephant in the Room- Bringing Homosexuality to the American Literary Conversation</td>
<td>Clay Whisler</td>
<td>University of Northern Iowa</td>
</tr>
<tr>
<td>12:40-1:00 p.m.</td>
<td><strong>Philosophy &amp; Ethics</strong></td>
<td>Fandom and the Compositional Power of Transformative Fiction</td>
<td>Keshia Mcclantoc</td>
<td>University of Montevallo</td>
</tr>
<tr>
<td><strong>JONES HALL 237</strong></td>
<td><strong>Education</strong></td>
<td>Two Sides to Every Story: An Ethnographic Analysis of Experiences of Strength and Challenge Within the First Generation College Student Experience at Siena College</td>
<td>Emily Heald</td>
<td>Siena College</td>
</tr>
<tr>
<td>12:20-12:40 p.m.</td>
<td><strong>Education</strong></td>
<td>Uncovering Racial Microaggressions at a Liberal Arts College: Experiences and Strengths of Black and Middle-Eastern Undergraduates</td>
<td>Joshua Gonzalez</td>
<td>Luther College</td>
</tr>
<tr>
<td><strong>JONES HALL 239</strong></td>
<td><strong>English</strong></td>
<td>Use of Classroom Technology to Promote Learning Among Students with Autism</td>
<td>Kelsey Rising</td>
<td>State University of New York-Brockport</td>
</tr>
<tr>
<td>12:20-12:40 p.m.</td>
<td><strong>English</strong></td>
<td>The Supervillain as Modern-Day Vice</td>
<td>Ethan Samerdyke</td>
<td>The University of Virginia’s College at Wise</td>
</tr>
<tr>
<td>12:40-1:00 p.m.</td>
<td><strong>English</strong></td>
<td>This Paper Examines the Sincerity and Possibility of Briony Tallis’s Plea for Forgiveness and Her Consequent Reparation in Ian McEwan’s Novel Atonement</td>
<td>Sydney Bollinger</td>
<td>University of West Georgia</td>
</tr>
<tr>
<td><strong>JONES HALL 243</strong></td>
<td><strong>Philosophy &amp; Ethics</strong></td>
<td>Time as a Human Construction: Time Consciousness in Alice in Wonderland</td>
<td>Ashley Farley</td>
<td>State University of New York-Brockport</td>
</tr>
<tr>
<td>12:20-12:40 p.m.</td>
<td><strong>Philosophy &amp; Ethics</strong></td>
<td>Feminist Bioethics and Psychiatry: Critiques of and Remedies for Psychiatric Practices</td>
<td>Morgan Shaw</td>
<td>Siena College</td>
</tr>
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<td>12:40-1:00 p.m.</td>
<td><strong>Philosophy &amp; Ethics</strong></td>
<td>Finding Chora: The Continuity of the Maternal Feminine in the Ancient World</td>
<td>Kristin Courville</td>
<td>Wayne State University</td>
</tr>
<tr>
<td>12:40-1:00 p.m.</td>
<td><strong>Philosophy &amp; Ethics</strong></td>
<td>Fredrick Nietzsche’s Philosophy: Evaluating Nietzsche’s Values</td>
<td>Loni Taber</td>
<td>Eastern Washington University</td>
</tr>
<tr>
<td><strong>JONES HALL 249</strong></td>
<td><strong>English</strong></td>
<td>Political Joyce: A Literary Analysis of James Joyce’s Political Essays and Literature</td>
<td>Shelby Lauzon</td>
<td>North Central College</td>
</tr>
</tbody>
</table>
12:20-12:40 p.m.
Postcolonial Themes in George W. Bush’s Address to Joint Session of Congress Following the 9/11 Attacks
Lauren Meyers, The University of Findlay

12:40-1:00 p.m.
Racial Roots of Romanticism
James Flynn, University of Massachusetts Boston

MANNING HALL 222
History
12:00-12:20 p.m.
More Than the Guillotine: The Reign of Terror’s Approach to Criminal Justice in the French Revolution
Madeleine Anthony, Ithaca College

12:20-12:40 p.m.
Oral Histories of the 20th Century
Aina Suemitsu, University of Wisconsin - River Falls

12:40-1:00 p.m.
Peripherality: Du Bois and the Woman Question
John Morgan Baker, Birmingham-Southern College

MANNING HALL 202
Kinesiology & Exercise Science
12:00-12:20 p.m.
Factors Contributing to the Walk-to-Run Transition in Human Gait
Nicholas Kulaga, Asbury University

12:20-12:40 p.m.
Measurements of Acromiohumeral Distance with the Application of Kinesio Tape at 30, 60, 90, and 120 Degrees of Glenohumeral Abduction
Leanne Oakes, North Dakota State University (Nlt)

12:40-1:00 p.m.
The Effects of Statins on Heart Rate Variability and Resting Heart Rate in Older Adults
Sallee Brandt, Hamline University

MANNING HALL 204
History
12:00-12:20 p.m.
British Images of West Africa
Nathaniel Plemons, Rhodes College

12:20-12:40 p.m.
Building Visualizing Abolition: A Digital Approach to the History of the Suppression of the African Slave Trade
Humera Lodhi, University of Missouri

12:40-1:00 p.m.
Capturing Farmers’ Perspectives Through Oral History
Madeline Hass, University of Wisconsin - Oshkosh

MANNING HALL 318
Communications
12:00-12:20 p.m.
Mood Changes and Themes from Color Techniques in Film
Caroline O’Mailia, Appalachian State University

12:20-12:40 p.m.
Multi-Level Marketing Perception Among University Students
Lincoln Op’t Hof, Utah Valley University

12:40-1:00 p.m.
Notes of a Non-Native Son
Joel Johnson, Messiah College

MANNING HALL 320
Women, Gender, and Sexuality Studies
12:00-12:20 p.m.
Feminist Motherhood Through Memoir in Maggie Nelson’s “The Argonauts”
Sebastián Maldonado-Vélez, Truman State University

12:20-12:40 p.m.
From Edmond to Edinburgh: An Examination of the International Fringe Arts Festival on the Global BGLTQIA+ Movement
Gabrielle Glidewell, University of Central Oklahoma
MANNING HALL 332  
Interdisciplinary Studies  
12:40-1:00 p.m.  
Forest Cover and Change in the Kashmir Valley: Militarization, Environmental Degradation, and Adaptation  
Emily Doerner, University of Northern Colorado

Religious Studies  
12:00-12:20 p.m.  
Women in Biblical Law: How the Daughters of Zelophehad Won and Lost  
Shannon Tachen, St. Catherine University

MANNING HALL 340  
Social Work  
12:00-12:20 p.m.  
Contributing Factors: The Social Workers Role in the Effects of Unemployment  
Samantha Rodriguez, Tarleton State University

12:20-12:40 p.m.  
Food Pantry Utilization  
Sean Cochrane, Siena College

12:40-1:00 p.m.  
Marked for Life: The Far Reaching Impact of Parental Military Deployment on Young Adults  
Megan Humlicek, University of Nebraska at Kearney

MANNING HALL 417  
Sociology  
12:00-12:20 p.m.  
How Non-White Bodies Navigate Society Before and After a Trump Election  
Hanna Niner, Trinity University

12:20-12:40 p.m.  
Inconsistency and Inequality in LGBTQ Housing: A Fair Housing Study  
Melissa Roberts, University of North Carolina at Greensboro

12:40-1:00 p.m.  
Latin American Love: Religion and Relationships Among Colombian Catholics  
Alexandria Corriveau, North Central College

MANNING HALL 426  
Religious Studies  
12:00-12:20 p.m.  
Christianity and African Traditional Religion  
Alleyah Caesar, Spelman College

12:20-12:40 p.m.  
Constructing and Performing Authority in Yoga Traditions: An Ethnographic Approach  
Anya Fredsell, Elon University

MEEMAN JOURNALISM 106  
Political Science  
12:00-12:20 p.m.  
Representation and Health: The Effects of Women Legislators on Infant and Maternal Mortality in the Developing World  
Julia Zellers, Texas Christian University

12:20-12:40 p.m.  
Residency Laws: Explaining Its Impact on Local Property Values  
Adam Kuhn, University of Wisconsin - La Crosse

12:40-1:00 p.m.  
Sanctions: Imprisoning the Nuclear Genie  
Michael Knaak, Carthage College
MEEMAN JOURNALISM 112  
**Political Science**  
12:20-12:40 p.m.  
Contemplating Corrections in an Era of Mass Incarceration  
Ryan Gephart, Messiah College  
12:40-1:00 p.m.  
Definition of Terrorism and Its Application in Today’s World  
Aya-Nay Haddad, University of Rochester  

MEEMAN JOURNALISM 204  
**Law & Legal Studies**  
12:00-12:20 p.m.  
S.B. 1070: A Transgression of Civil Liberties  
Theophilus Alexander, Ithaca College  
12:20-12:40 p.m.  
Sexual Violence and Collegiate Athletes  
Samantha Reilly, Ithaca College  
12:40-1:00 p.m.  
Should the FAA Require Civilian Commercial Aircraft Manufacturers to Place Real Time Tracking Technology Device on All Aircraft?  
Stephanie Lipari, Ithaca College  

PSYCHOLOGY BUILDING 204  
**Clinical Psychology**  
12:00-12:20 p.m.  
Depression in Rural and Urban Areas  
Amanda Terry, William Peace University  
12:20-12:40 p.m.  
Dying for a Diagnosis: The Impact of Racial Discrimination in Healthcare  
Danielle Owusu, Dominican University of California  
12:40-1:00 p.m.  
Examining Caregivers’ Knowledge, Empathy and Interventions for Autism Spectrum Disorder  
Angelina Lombardi, Dominican University of California  

PSYCHOLOGY BUILDING 206  
**Cognitive Neuroscience**  
12:00-12:20 p.m.  
Effect of Sleep Quality and Duration on Decision Making and Empathy in Prospective Jurors  
Lauren Homer, Weber State University  
12:20-12:40 p.m.  
Emotional Stimuli Reduce Distractibility to Irrelevant Stimuli  
Daniel Gabriel, Christian Brothers University  
12:40-1:00 p.m.  
How to Kill an Idea: An Investigation of the Effects of Cognitive Dissonance and “DoubleThink” on the Psyche of Marginalized People  
Alexa Marshall, City University of New York-Brooklyn College  

PSYCHOLOGY AUDITORIUM A0200  
**Experimental Psychology**  
12:00-12:20 p.m.  
Impact of Exercise and Mindfulness Activities on Cognitive Performance  
Kayla Setzer, University of North Carolina - Asheville  
12:20-12:40 p.m.  
Impression Management and Social Capital on Social Networking Sites: Post Like Everyone’s Watching  
Brigid Lockard, Christian Brothers University  
12:40-1:00 p.m.  
In the Midst of Political Divide: Impact of Social Value Orientation Manipulation on Political Prejudice  
Anna-Catherine McCrery, Davidson College  

PSYCHOLOGY BUILDING 230  
**Geography & Earth Sciences**  
12:00-12:20 p.m.  
Effects of Competitive Growth on Survival and Fitness of Native Asclepias syriaca and Invasive Cynanchum rossicum  
Holly Jackson, State University of New York-Brockport  
12:20-12:40 p.m.  
Efficient Mosquito Vector Abundance Comparison Between Developed and Protected Natural Areas  
Jaquelin Ortuno, St. Edward’s University
12:40-1:00 p.m.
Excess: A Transportation Based Food Recovery Model
Olivia Juarez, University of Utah

PSYCHOLOGY BUILDING 244
Geography & Earth Sciences
12:00-12:20 p.m.
Dylan Wilson, University of Wisconsin - Eau Claire

12:20-12:40 p.m.
A Continuing Analysis of Chinese and American Public Support for an International Climate Change Mitigation Treaty Including Willingness-to-Pay for Climate Policy Action
Ryan Hammer, University of Wisconsin - Eau Claire

1:20-1:40 p.m.
Legitimizing Cultural Dominance Through Spectacle: A Comparative Study of Bushoong Performance and American Sporting Events
Olivia Musgrove, University of Central Oklahoma

1:40-2:00 p.m.
Manet and Zola
Savannah Herrera, Hendrix College

ART AND COMMUNICATION 257
Art History
1:20-1:40 p.m.
Legitimizing Cultural Dominance Through Spectacle: A Comparative Study of Bushoong Performance and American Sporting Events
Olivia Musgrove, University of Central Oklahoma

ART AND COMMUNICATION 310
Graphic Design
1:20-1:40 p.m.
The Reality of Animal Agriculture
Kaila Munson, University of the Pacific

Music
1:40-2:00 p.m.
The Impacts of the Industrial Revolution and the Following Hundred Years on Music Education in the Twenty-First Century
Sarah Liberti, Adelphi University

COMMUNICATION AND FINE ARTS 124
Dance History and Theory
1:20-1:40 p.m.
The Next Steps for Dance Reviews
Chloe London, State University of New York-Brockport

DUNN HALL 103 / 105
Anthropology
1:20-1:40 p.m.
Imperialism and Rebellious Ritualization: Female Genital Cutting Among the Jola of Casamance, Southern Senegal
Michelle Gaspari, George Mason University

1:40-2:00 p.m.
Ya da fi wi Belize: Examining Nationality and Identity Through Belizian Carnival
Jazmin Miller, Brooklyn College
2:00-2:20 p.m.
"Only the Short Die Young": An Analysis of Growth and Development in Prehistoric Communities
Chrysanthi Violaris, George Mason University

DUNN HALL 107
Anthropology
1:20-1:40 p.m.
Shared Worlds: The Archaeologists, the Maya, and the Shadows of the Past. Indigenous Inclusivity in Maya Archaeology
Erik Pearl, University of Wisconsin - Stout

1:40-2:00 p.m.
Silicon Valley Immigrants: The Benefited and the Marginalized
Sonja Chen, University of California, San Diego

2:00-2:20 p.m.
Songwriting and the Arts as a Driving Force of Empowerment Among Indigenous and Migrant Youth in Thailand
Kora Feder, Long Island University

DUNN HALL 109
Astronomy
1:20-1:40 p.m.
Characteristics of Ion Upflow and Downflow Observed with the Poker Flat Incoherent Scatter Radar (PFISR)
Jiayue Lu, University of Michigan

1:40-2:00 p.m.
Examining Globular Clusters in the Blanco DECam Bulge Survey
Doryan Miller, Indiana University

2:00-2:20 p.m.
Simulations of Black Hole Accretion Disks
Sarina Etheridge, College of Charleston

DUNN HALL 119 / 121
Biology
1:20-1:40 p.m.
Altered MAP-7 Expression in Renal Cell Carcinoma
Kaitlin Budd, Oakland University

1:40-2:00 p.m.
Analysis of Reproductive Segments and Sperm from the Freshwater Annelid, Lumbriculus, for Protamine-like Molecules
Kelsey McKenna, St. Catherine University

2:00-2:20 p.m.
Are You Mocking Me? Northern Mockingbird Vocal Mimicry
Reagan Monteith, Elon University

DUNN HALL 123/125
Biology
1:20-1:40 p.m.
Identification and Molecular Characterization of a High Light-Sensitive Chlamydomonas reinhardtii Mutant, 10E35
JaVon Swint, University of West Georgia

1:40-2:00 p.m.
Identification of Gene Expression Within the Interpeduncular Nucleus
Darby Kozan, Guilford College

2:00-2:20 p.m.
Identifying Cancer Drug Targets Using a Novel Yeast Small Compound Screen
Elvira An, University of North Carolina, Charlotte

DUNN HALL 124
Cell & Molecular Biology
1:20-1:40 p.m.
HOTAIR: The Role of Long Non-coding RNA Regulation in Breast Cancer
Sara Lohbauer, Florida Gulf Coast University

1:40-2:00 p.m.
Interleukin-22 Induces Epithelial-to-Mesenchymal Transition in Pancreatic Cancer
Alexander Girgis, University of Michigan

2:00-2:20 p.m.
Intrinsic Replication Stress from BRCA2 Deficiency Induces Chromosome Instability
Kayla Pederson, University of Minnesota, Twin Cities
DUNN HALL 129
Chemistry
1:40-2:00 p.m.
Addition of Cationic Dyes to Silica Sol-Gel
Zachary Struzik, Lewis University

2:00-2:20 p.m.
Analysis of the Effect of Alkaline Hydrolysis Cremation
on Mineral and Trace Metals in Bone
Rebekah Quickel, California University of Pennsylvania

DUNN HALL 225 / 227
Chemistry
1:20-1:40 p.m.
Synthesis of a Tetra-aza Ligand for the Separation of
Lanthanides and Actinides
Rachel Stadler, Salisbury University

1:40-2:00 p.m.
Synthesis, Electrochemistry and Spectroscopic
Characterization of Substituted Metallo-bis-
dipyrrromethene Complexes
Gael Gonzalez-Peltier, Midwestern State University

2:00-2:20 p.m.
Virtual Reality In Chemistry
Daniel Heinen, Massachusetts College of Liberal Arts

DUNN HALL 233
Ecology & Organismal Biology
1:20-1:40 p.m.
The Scouring Effect of Flooding from Hurricane
Matthew on Community Structure in Lotic Ecosystems.
Cecilia Moya, William Peace University

1:40-2:00 p.m.
Understanding and Visualizing the Spatial Ecology of
Painted Turtle Populations in Eastern Pennsylvania
Shelby Does, Moravian College

DUNN HALL 249 / 251
Mathematics
2:00-2:20 p.m.
A Sharp Upper Bound on the K-Color Connection
Number of a Graph
Adam Jump, Salisbury University

DUNN HALL 351
Health Sciences
1:20-1:40 p.m.
Relationships Between Sleep Quality and Cognitive
Function in Postmenopausal Women with Early Stage
Breast Cancer
Michelle Sech, University of Pittsburgh School of Nursing

1:40-2:00 p.m.
The Analysis of Kinematic Variables in the Snatch: Are
Bar Trajectories Predictive of Successful Performance
Donald Tredway, Radford University

2:00-2:20 p.m.
The Effect of Fatigue on the King-Devick Concussion
Test: Wheelchair Rugby
Amanda Joyce, Radford University

ENGINEERING SCIENCE BUILDING 218
Biomedical Engineering
1:20-1:40 p.m.
Real-Time Analysis of Electrical Activity in Cardiac
Tissue
Reggie Pruitt, University of Memphis

1:40-2:00 p.m.
Scaffold-Free Tissue Engineering of Lower Limb
Peripheral Nerve Tissue with Ultrasound
Samantha Hamner, Utah Valley University

2:00-2:20 p.m.
Utilizing SRS Microscopy for Detection of Human Brain
Tumor Infiltration
Mia Garrard, University of Michigan
ENGINEERING SCIENCE BUILDING 220
Electrical Engineering
1:40-2:00 p.m.
Water Quality Study for Microcystin Detection Using Colorimetric Gold Nanoparticles
Devesh Mohan, Iowa State University

Environmental Engineering
2:00-2:20 p.m.
Developing Carbon Nitride for Improved Chemical Waste Treatment
Areeg Abd-Alla, Hamline University

ENGINEERING SCIENCE BUILDING 222
Mechanical Engineering
1:20-1:40 p.m.
Generating Real-Time Musculoskeletal Models Using a Motion Capture System
Aminah Tamimi, California State University - Long Beach

1:40-2:00 p.m.
Heat Transfer Technology to Convert Plastic Trash to Oil Fuel
Zhiqi Mao, Midwestern State University

FOGELMAN CLASSROOM BUILDING 131
Economics
1:20-1:40 p.m.
Head Trauma in Mixed Martial Arts: An Analysis of Fighter Earnings at the Expense of Mental Health
Mitchell Clements, Eastern Washington University

1:40-2:00 p.m.
Unintended Impacts: The Impact of the Harlem Children’s Zone on Housing Prices in New York City
Owen Goetze, Seattle University

2:00-2:20 p.m.
Preservation Through Revitalization: Economic Impact of Historic Macon Foundation
Aaron Scherf, Mercer University

FOGELMAN CLASSROOM BUILDING 133
Microbiology & Immunology
1:20-1:40 p.m.
Surface Proteins of Infection Derived Exosomes Induce Bacterial Clearance in Naïve Human Monocytes and Monocyte to Macrophage Differentiation
Veronika Lozano, George Mason University

1:40-2:00 p.m.
Triclosan Exposure and Its Impact on Multidrug Resistance in Enterobacter and Staphylococcus Environmental Isolates
Julianna Marotta, Cedar Crest College

FOGELMAN CLASSROOM BUILDING 125
Marketing
1:40-2:00 p.m.
Social Media as a Hollywood Marketing Tool
Sarah Murray, Fordham University

FOGELMAN CLASSROOM BUILDING 127
Economics
1:20-1:40 p.m.
Financing Public Service Delivery Through Voluntary Neighborhood Associations
Turner Clark, University of Illinois at Springfield

1:40-2:00 p.m.
Gender Equality Development: A Study of the Effects of Gender Equality on Economic Growth
Jason Hall, Seattle University

FOGELMAN CLASSROOM BUILDING 259
Physics
1:20-1:40 p.m.
A Matched-Filter Search for Binary Black Hole Mergers in Advanced LIGOs First Observing Run
Hannah Hamilton, Abilene Christian University

1:40-2:00 p.m.
Acoustic Investigation of Buried Objects
William Grismore, Presbyterian College

2:00-2:20 p.m.
Beam-foil Measurement of the Lifetime of Ge II 4s^2 4d ^2D_3/2 Level.
Sanskar Basnet, University of Toledo
Student Oral Session 7 - Fri 1:20pm-2:20pm

FOGELMAN CLASSROOM BUILDING 261

**Physics**

1:40-2:00 p.m.

*Spectral Peak Density as a Robust Parameter for the Analysis of Breast Cancer Surgical Margins and Sentinel Lymph Nodes*

Zachary Coffman, Utah Valley University

2:00-2:20 p.m.

*Stacking Fault Energies of Ni3Al*

Hunter Gore, University of Memphis

**FOGELMAN CLASSROOM BUILDING 262**

**Public Health**

1:20-1:40 p.m.

*How Do Hispanic/Latino Children View Their Health?*

Maricruz Moya, Wayne State University

1:40-2:00 p.m.

*Incentivizing Quality in Government Healthcare Programs: Do Shared Saving Programs Improve Health Outcomes?*

Katherine Stevens, Lafayette College

2:00-2:20 p.m.

*Perceived Value of Eye Care Services Among Inhabitants of Southern Ghana*

Darius Baradaran, Brigham Young University

**FOGELMAN CLASSROOM BUILDING 264**

**International Studies**

1:40-2:00 p.m.

*Power Relations in Development Work: The Experiences of Ethiopian Women in a Gender Development INGO*

Temer Gaim, Long Island University

2:00-2:20 p.m.

*Pragmatic or Ideological? A Discourse Analysis of the Government of Recep Tayyip Erdogan*

Elena Woods, American University

**JONES HALL 200**

**Education**

1:20-1:40 p.m.

*Educational Experience of Undocumented Students in the New Political Climate*

Natalie Giron, American University

1:40-2:00 p.m.

*Effects of Proficient Reader Strategies on Reading Comprehension and Writing Proficiency*

Ronnie Roberts, Austin PEAY State University

**JONES HALL 212**

**Literature**

1:40-2:00 p.m.

*Escapee Veiled in a Secluded Suicide: Achieving Autonomy in Lin Yutang’s Moment in Peking*

Anesce Dremen, Carthage College

2:00-2:20 p.m.

*Examining Parallels Between 20th Century Evangelical Fundamentalism, 20th Century Feminist Liberation Theology, and Expressions of Spirituality in Margaret Atwood’s The Handmaid’s Tale*

Kirby Jones, Meredith College

**JONES HALL 214**

**Literature**

1:20-1:40 p.m.

*Sunrise to Sunset: The Relationship Between Science Fiction and Medical Advances in Reproductive and Longevity Technologies*

Nicole Cotton, Ohio State University

1:40-2:00 p.m.

*Teaching Critical Literacy Through Dystopian Young Adult Fiction*

Amanda Liu, University of Central Oklahoma
JONES HALL 237

Education

1:20-1:40 p.m.

Using Computer Programming to Improve the Ability to Generalize Mathematical Concepts
Katelyn Payton-Page, University of North Alabama

1:40-2:00 p.m.

What Do Undergraduates Learn About Human Intelligence?
Mayson Astle, Utah Valley University

2:00-2:20 p.m.

Writing for a Better World: An Examination of Differences Between 3 Student Populations in Benefits Associated with Write Local Workshops
Kirra Lent, California University of Pennsylvania

JONES HALL 239

English

1:20-1:40 p.m.

The Nether: “You Want to Sell It to Disney?: a Closer Look at the Language of Spaces, Power, and Identity
Kendall Kartaly, Valparaiso University

1:40-2:00 p.m.

Traces of the Past: Neo-colonialism in Jessica Hagedorn’s Dream Jungle
Jennifer Khin, University of the Pacific

2:00-2:20 p.m.

Transcending Modernism: The Graphic Novel as Postmodern Form
Stephanie Passialis, North Central College

JONES HALL 243

Philosophy & Ethics

1:20-1:40 p.m.

Humanization of the Enemy: The Pacifist Soldier and France in World War One
Daniel Stockman, Dominican University of California

1:40-2:00 p.m.

Kant, Habermas, and the Cosmopolitan Agenda
Corey Horn, Eastern Washington University
2:00-2:20 p.m.
Language in Politics: A Philosophical and Rhetorical Analysis of How Language Has Shaped the Clinton Email Debate
Jonathan Toronto, Utah State University

JONES HALL 249
English
1:20-1:40 p.m.
Railroad Literature as Seen by an Engineer: The Junction of Two Trains of Thought
Silvia Smith, Utah State University

1:40-2:00 p.m.
Raphael: The Arch-angel Who Said Too Much or The Right Being for The Job in Milton’s Paradise Lost?
Jordan Freeman, Western Carolina University

2:00-2:20 p.m.
Reader, I Reject Your Incredulity: Direct Address of the Reader in Jane Eyre and Incidents in the Life of a Slave Girl
Emily Osborne, Luther College

MANNING HALL 202
Kinesiology & Exercise Science
1:20-1:40 p.m.
The Infamous Freshman 15: Freshman Behaviors Related to Weight Gain
Brisa Rodriguez, Our Lady of the Lake University

Nutrition
2:00-2:20 p.m.
Dietary Supplementation with Tart Cherries for Prevention of Inflammation-associated Colorectal Cancer in Mice
Ashli Hunter, Utah State University

MANNING HALL 204
History
1:20-1:40 p.m.
Chilean Winter
Samuel Pickett, Indiana University

1:40-2:00 p.m.
Christian Minority Status in the Late Ottoman Empire
Taylor Jipp, University of Oklahoma Norman Campus

2:00-2:20 p.m.
Comfort Zoned: The Culture Within American Discretionary Zoning as Seen Through Longview, Texas
Hannah Ratzlaff, John Brown University

MANNING HALL 222
History
1:20-1:40 p.m.
Post-Traumatic Stress Disorder: The Endless War in the Life of North Vietnamese Veterans
Chi Ha, Texas Tech University

1:40-2:00 p.m.
Rafael Leonidas Trujillo
Yisely Arias, Kean University

2:00-2:20 p.m.
Reagan’s Framing of the Iran-Contra Affair
Blake Bergstrom, James Madison University

MANNING HALL 318
Communications
2:00-2:20 p.m.
Peace on the Homefront: Addressing Moral Injury in Monterey County Veterans
Robert Jensen, California State University Monterey Bay

MANNING HALL 320
Women, Gender, and Sexuality Studies
2:00-2:20 p.m.
Las Lentes Violetas: Feminist Movements in the Universities in the Region of Valparaiso, Chile
Rachel Willis, Duquesne University

MANNING HALL 332
Interdisciplinary Studies
1:20-1:40 p.m.
Scripture Like a River: The Appeal of Modern Adult Catechetical Programs to Jungian Psychological Preferences
Elise Ketch, Virginia Commonwealth University
1:40-2:00 p.m.
Study of Western Media on Urbanization in China from 1978 to 2012
Colleen Kremer, Hendrix College

2:00-2:20 p.m.
The Hadhrami Diaspora: Islam and Indian Ocean Connectivity
Tawfiq Alhamedi, Lafayette College

MANNING HALL 417
Sociology
1:20-1:40 p.m.
Misunderstanding the Modern Maya
Sierra Sotelo, Middle Tennessee State University

1:40-2:00 p.m.
Music Deserts: How Social Inequality Affects Accessibility to Musical Resources Important to Actively Participating in Music
Everardo Reyes, University of Northern Colorado

MANNING HALL 340
Social Work
1:20-1:40 p.m.
Police Assisting Addicts Towards Recovery
Sherah Dickinson, University of Nebraska at Kearney

1:40-2:00 p.m.
Reducing Food Insecurity by Organizing Resources Within Rural Communities
Andrea Bird, Tarleton State University

2:00-2:20 p.m.
Temporal Analysis for Runaways at Residential Youth Centers
Paisley Heckman, Eastern Washington University

MANNING HALL 426
Religious Studies
1:20-1:40 p.m.
Desmond Tutu’s Influence in Apartheid South Africa: The Reconciliation of a Broken Gospel in the Restoration of a Divided Nation
Emily Owens, Valparaiso University

1:40-2:00 p.m.
Developing a Religious Diversity Profile of San Antonio
Benjamin Collinger, Trinity University

2:00-2:20 p.m.
Distinctive Coexistence: A Look at Balancing the Identities of the Institution and the Individual in Pluralistic Societies
Maria Bruno, Valparaiso University

MEEMAN JOURNALISM 106
Political Science
1:20-1:40 p.m.
Short and Focused: An Analysis of the Evidentiary Struggles of the International Criminal Court on Sex Crimes Prosecution
Eric Smith, Valparaiso University

2:00-2:20 p.m.
Supranational Unions’ Effect on Bilateral Trade
Jamie Livingston, Sonoma State University

Information Technology
1:20-1:40 p.m.
Developing a Deformable Prototype to Control a Mobile Screen Read for Blind Users
Travis Swan, Carleton University
**MEEMAN JOURNALISM 112**
Political Science
1:20-1:40 p.m.
Democracy in Plato’s Republic and Aristotle’s Politics
Meredith Gerber, University of West Florida

1:40-2:00 p.m.
Demographic Change and the Decline of Japanese Power
Jacob Riddle, University of Memphis

2:00-2:20 p.m.
Effects of Polarization in Congress on Government Relations
Samantha Maciel, Dominican University of California

**MEEMAN JOURNALISM 204**
Law & Legal Studies
1:40-2:00 p.m.
The Effects of Unequal State Funding on Criminal Justice Outcomes
Ryne Duffy, American University

2:00-2:20 p.m.
The Historical Evolution of Laws Involving Sex Trafficking Within the United States
Casey Phillips, Ithaca College

**PSYCHOLOGY BUILDING 204**
Clinical Psychology
1:20-1:40 p.m.
Examining the Relationship Between Hawaiian Cultural Practices and Moral Development
Christina Rezentes, Dominican University of California

1:40-2:00 p.m.
Extending the Behavioral Risk Factor Surveillance System to the Bethel College Campus for Assessment of Mental Health and Mental Health Stigma
Lila Tibbets, Bethel College

2:00-2:20 p.m.
Fredrickson’s Broaden and Build Theory Correlate with Adolescent Life and Educational Satisfaction
Fabiola Vargas, Abilene Christian University

**PSYCHOLOGY BUILDING 206**
Cognitive Neuroscience
1:20-1:40 p.m.
Influence of Proprioception and Vision in Motor Generalization
Katrina Colucci Chang, George Mason University

1:40-2:00 p.m.
Meta-analysis of Face Processing in Autism Spectrum Disorders and Its Relationship to Neuroanatomical Divisions of the Fusiform Gyrus
Mary-Elizabeth Winslett, University of Alabama at Birmingham

2:00-2:20 p.m.
Methylene Blue: A Novel Disease Modifying Drug for Early Intervention in Parkinson’s Disease
Natalie Rosas, Our Lady of the Lake University

**PSYCHOLOGY AUDITORIUM A0200**
Experimental Psychology
1:20-1:40 p.m.
Joining Hands: Constructing Childhood Agency in the Context of Ageism
Brittany Churchill, Bridgewater State University

1:40-2:00 p.m.
Linguistic Framing Effects on Charitable Donation Requests
Anne Phelan, Elon University

**PSYCHOLOGY BUILDING 230**
Geography & Earth Sciences
1:20-1:40 p.m.
Geochemical and Sociological Study of Backyard Wells in Utah Valley, Utah
Janelle Gherasim, Utah Valley University
1:40-2:00 p.m.
Greenhouse Gas Emission and Water Quality Quantification Along Saturated Buffer Strip of Bear Creek
Timothy King, Iowa State University

2:00-2:20 p.m.
Health of Women and Families in Samburu, Kenya: Chief Concerns and Treatments
Sara Hines, Colorado State - Colorado State University-Cooperative Extension- Jefferson Co

PSYCHOLOGY BUILDING 244
Nutrition
1:20-1:40 p.m.
Implementing a Successful Elementary School Vegetable Snack Program
Josh Bodnar, University of Wisconsin - Eau Claire

1:40-2:00 p.m.
Analyzing Group and Individual Consumption Effects from an Elementary School Vegetable Snack Program
Kjirstin Martell, University of Wisconsin - Eau Claire

Student Oral Session 8 - Fri 2:40pm-3:40pm

ART AND COMMUNICATION 257
Art History
2:40-3:00 p.m.
Meaning-making Through Signage in the Virginia Museum of Fine Arts
Caroline Meyers, Virginia Commonwealth University

3:00-3:20 p.m.
Minkisi and Mintadi of the Kongo Kingdom: Symbols of Religious Identity and Cultural Exchange
Mattie Barlow, University of Central Oklahoma

3:20-3:40 p.m.
Pompeii: An Erotic Experience
Emma Osle, Kutztown University

ART AND COMMUNICATION 310
Music
2:40-3:00 p.m.
The Partimento Tradition in the Shadow of Enlightenment Thought
Deborah Longenecker, Cedarville University

3:20-3:40 p.m.
What Mozart Is in the Mozart Effect?
Timothy Malone, William Paterson University

COMMUNICATION AND FINE ARTS 124
Theatre/Drama Performance
2:40-3:00 p.m.
Erin Pike: Unapologetic Feminist
Kallie Ford, University of Central Oklahoma

DUNN HALL 103 / 105
Anthropology
2:40-3:00 p.m.
Academic Success of 1.5 Generation Cambodian American Students
Kassandra Chhay, California State University - Long Beach
### Student Oral Session 8 - Fri 2:40pm-3:40pm

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Room</th>
<th>Title</th>
<th>Presenter</th>
<th>Institution</th>
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<tbody>
<tr>
<td>3:00-3:20 p.m.</td>
<td>An Exploration of the Multifaceted Dakota Access Pipeline Issue</td>
<td></td>
<td>Rima Sakhawala, University of Maryland, Baltimore County</td>
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<tr>
<td>3:20-3:40 p.m.</td>
<td>An Inside View: Childhood Stress at the Greek Colony, Himera</td>
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<td>Melissa Chowning, University of Northern Colorado</td>
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<tr>
<td>3:00-3:20 p.m.</td>
<td>Investigating RLS1 Localization and the Evolutionary Origins of Cellular Differentiation</td>
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<td>Fathima Mohamed, Hamline University</td>
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<tr>
<td>3:20-3:40 p.m.</td>
<td>JMJD3 Binding Sites Interact with Promoter Regions in Naïve CD4+ T Cell Activation</td>
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<td>Alicia Aguilar, Oklahoma State University</td>
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<tr>
<td>3:00-3:20 p.m.</td>
<td>Application of Ascorbic Acid for the Remediation of Hexavalent Chromium Contaminated Water</td>
<td></td>
<td>Erika Pacas, City University of New York- Guttman Community College</td>
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<td>3:20-3:40 p.m.</td>
<td>Augmented Reality In Chemistry</td>
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<td>Peter Chase, Massachusetts College of Liberal Arts</td>
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<td>3:20-3:40 p.m.</td>
<td>Complexation of Borinic Acid Derivatives with Lewis Bases</td>
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<td>Nancy Wiebelhaus, Western Carolina University</td>
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<td>3:00-3:20 p.m.</td>
<td>Incorporating Model Selection in Predicting the Spread of Invasive Fungal Pathogen Batrachochytrium salamandrivorans</td>
<td></td>
<td>Tatum Katz, Occidental College-</td>
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<td>3:20-3:40 p.m.</td>
<td>Investigating Diptera Arrival Times in Southern Wisconsin and Cadaver Temperatures</td>
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<td>Reyna Buchroeder, University of Wisconsin - Whitewater</td>
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<tr>
<td>3:00-3:20 p.m.</td>
<td>The Deviant Burials of Classical Athens</td>
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<td>Ena Prskalo, University of North Carolina at Greensboro</td>
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<td>3:20-3:40 p.m.</td>
<td>The Queer Agenda: Post-Structuralism</td>
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<td>Zac Jones, University of Kentucky</td>
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<td>3:00-3:20 p.m.</td>
<td>Bacterial Endophytes in Seeds with High and Low Melatonin Content: Survival Implications</td>
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<td>Meaghan Rose, Midwestern State University</td>
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<td>3:20-3:40 p.m.</td>
<td>Bioproduction and Anti-Obesity Properties of Peanut Stilbenoids</td>
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<td>Alexis Philippe, Arkansas State University</td>
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3:00-3:20 p.m.
The Engineering of Metal Complexes: Synthesizing Mixed Carboxylate Diosmium Carbonyl Sawhorse Compounds
James Johnstone, Abilene Christian University

3:20-3:40 p.m.
Symmetric Complexation of Boronic Acids with Ditopic Lewis Bases
Emily Pounds, Western Carolina University

DUNN HALL 233
Environmental Studies & Sciences
2:40-3:00 p.m.
Effects of Metformin on Growth and Appetite in Juvenile Fathead Minnows (Pimephales promelas) After 7-Day Chronic Exposures
Caitlyn Patullo, Ithaca College

3:00-3:20 p.m.
Fish and Pharmaceuticals: The Effect of Venlafaxine on Swimming Behavior of Fathead Minnows
Rachel Barone, Ithaca College

3:20-3:40 p.m.
Effects of Mangrove Deforestation on Near-shore Coral Reefs
Aislyn Keyes, University of Minnesota, Twin Cities

DUNN HALL 249 / 251
Mathematics
2:40-3:00 p.m.
An Insertion Algorithm for Acyclic Orientations
Robert Ross, Drexel University

3:00-3:20 p.m.
Analyzing the Protein-Protein Interaction Network of TNF-alpha
Alan Amaya, University of the Incarnate Word

3:20-3:40 p.m.
Convexity of Neural Codes
Ruby Bayliss, St. Catherine University

DUNN HALL 351
Health Sciences
2:40-3:00 p.m.
The Impact of Contraceptive Counseling on College-aged Women
Grace King, University of North Carolina - Asheville

3:00-3:20 p.m.
The Moderating Effects of Sex and Personality on Heart Rate Variability and Blood Pressure Response to Stress
Jonathan Golden, Georgia College and State University

3:20-3:40 p.m.
The Racial Diversity of Residency Programs and Medical Interns’ Depression
Jad Elharake, University of Michigan

ENGINEERING SCIENCE BUILDING 218
Chemical Engineering
2:40-3:00 p.m.
Cannabinoid Pharmacokinetic Modeling
Jacquelyn Lane, Oklahoma State University

3:00-3:20 p.m.
Characterization of Antarctic Algae for Biofuel Potential
Emily Hultin, Montana State University Bozeman

3:20-3:40 p.m.
Effect of Additives on Reduction Potential for Electroplating Battery Anodes
Callum Breene, University of Rochester

ENGINEERING SCIENCE BUILDING 220
Engineering/Engineering Technology
2:40-3:00 p.m.
52 Card Robotic Vision System Sort Process
Kyle Schmidlkofer, Eastern Washington University

3:00-3:20 p.m.
APSU High Altitude Ballooning
Jacob Robertson, Austin PEAY State University

3:20-3:40 p.m.
Bicycle Device Charger
Tristen Bryce, Metropolitan State University of Denver
**ENGINEERING SCIENCE BUILDING 222**

**Mechanical Engineering**

2:40-3:00 p.m.

*Influence of Submergence Depth on Harvesting River Kinetic Energy*

David Palmer, University of Memphis

3:00-3:20 p.m.

*Intelligent Robotics Using Computer Vision*

Xitong Li, Midwestern State University

3:20-3:40 p.m.

*Investigation of Mechanical Property Sensitivity With Respect to Processing Temperatures for A-2 Steel*

Martin Mekhail, James Madison University

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**FOGELMAN CLASSROOM BUILDING 259**

**Physics**

3:00-3:20 p.m.

*Characterization of Cadmium Stannate as a Transparent Conducting Oxide*

Tristan Cabrera, Georgia College and State University

3:20-3:40 p.m.

*Characterization of Magnetron Sputtering Plasma Using Optical Emission Spectroscopy*

Rylan Gordon, Georgia College and State University

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**ENGINEERING SCIENCE BUILDING 261**

**Mechanical Engineering**

2:40-3:00 p.m.

*Influence of Submergence Depth on Harvesting River Kinetic Energy*

David Palmer, University of Memphis

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*Investigation of Mechanical Property Sensitivity With Respect to Processing Temperatures for A-2 Steel*

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**FOGELMAN CLASSROOM BUILDING 125**

**Marketing**

3:00-3:20 p.m.

*Versions of the Truth: Exploring the Motivating Factors for Consumers to Create Inaccurate Rating and Reviews*

Ravon Bonds, University of Wisconsin - Whitewater

---

**FOGELMAN CLASSROOM BUILDING 127**

**Economics**

3:00-3:20 p.m.

*Lake Erie Water Quality Survey, A Natural Treatment Option to Reduce Harmful Algal Blooms*

Quinton Babcock, University of Toledo

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**FOGELMAN CLASSROOM BUILDING 131**

**Economics**

2:40-3:00 p.m.

*What Have You Done for Me Lately? A Model of Past Performance on Major League Baseball Player Compensation*

Tamerlane Asher, Lafayette College

---

**FOGELMAN CLASSROOM BUILDING 133**

**Microbiology & Immunology**

2:40-3:00 p.m.

*Understanding the Mechanisms by Which Rho* Alters Biological Fitness*

Benancio Rodriguez, University of Michigan

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**FOGELMAN CLASSROOM BUILDING 262**

**Public Health**

2:40-3:00 p.m.

*Pokémon Go: Can Catching Them All Motivate People to Walk More?*

Rachael Nevin, Eastern Washington University

3:20-3:40 p.m.

*Providing Audiological Services Globally*

Catherine Felicetti, Ithaca College
FOGELMAN CLASSROOM BUILDING 264
International Studies
2:40-3:00 p.m.
Providing a Voice to the Voiceless Through Text in Ciro Guerra’s “Embrace of the Serpent”
Miranda Haney, Salisbury University

3:00-3:20 p.m.
Racial Bias in Epidemic Control in Modern Peru
Kaylee Hicks, University of Kentucky

3:20-3:40 p.m.
Radical Islam in Morocco: Are Education and Political Islam Real Solutions?
Noelle Zuelke, Long Island University

JONES HALL 200
Education
2:40-3:00 p.m.
Examining Predictive Efficacy of Dropout Risk Factors at a D.C. Charter School
Saagar Gupta, American University

3:00-3:20 p.m.
Expanding Educational Opportunity for Black, Latino and Other Marginalized Youth
Fanta Sissoko, Siena College

3:20-3:40 p.m.
Capital in the Colony
Marcus Forbes, Occidental College-

JONES HALL 214
Literature
2:40-3:00 p.m.
That Which We Kindle: Sparks of Fahrenheit 451
Kelsey Schaeflein, Carthage College

3:00-3:20 p.m.
The Dividing Line Between Us: An Analysis of the Actualized Self in Henry James Novellas
Julianna Crame, Eastern Washington University

3:20-3:40 p.m.
The Double and the Uncanny in the Writing of Poe and Dostoyevsky
Anastasia Steblina, Truman State University

JONES HALL 218
English
2:40-3:00 p.m.
"Whoa, Wait. That’s Racist": Flannery O’Connor’s Critique of Her Contemporary Social Justice Artists
Joseph Hawkins, University of West Georgia

3:00-3:20 p.m.
A Man Among Heroes: The Reception of Patroclus in Homer’s Iliad
Katherine Nazzaro, Bridgewater State University

3:20-3:40 p.m.
A Queer Sense of Place: Elizabeth Bishop’s Poetic Cartography and the Resignification of Environments
Victoria McCandless, University of Massachusetts Boston

JONES HALL 226
English
2:40-3:00 p.m.
From Page to Stage: Gender Dynamics in Shakespearean Theater
Kathryn Harlan-Gran, University of the Pacific

3:20-3:40 p.m.
Gendered Self-Knowledge and Disempowering Laughter: A Feminist Examination of Humor Dynamics in Jane Austen’s Pride and Prejudice
Shay King, Carthage College
### JONES HALL 237
- **Journalism**
  - **2:40-3:00 p.m.**
    - *A Vicious Cycle: Do Black Lives Matter to the Media?*
    - Ahana Dave, Ithaca College
  - **3:00-3:20 p.m.**
    - *Fighting the Floods: An Interactive Documentary Contextualizing Hancock County’s Floods and Flood Mitigation*
    - Sarah Stubbs, The University of Findlay
  - **3:20-3:40 p.m.**
    - *Framing Spatial Anxiety: Joe Sacco’s Palestine and the Use of Comics Form for Spatial Critique*
    - Marisa Pesa, Capital University

### JONES HALL 239
- **English**
  - **2:40-3:00 p.m.**
    - *True Crime as a Literature of Advocacy*
    - Leslie Rowen, Bellarmine University
  - **3:00-3:20 p.m.**
    - *Ugwu’s Biafra: Individual and National Modes of Sovereignty and Resistance in Chimamanda Adichie’s Half of a Yellow Sun*
    - Samantha Tirrell, Russell Sage College
  - **3:20-3:40 p.m.**
    - *Unfocused Rage: A Legal Interpretation of Racial Oppression*
    - Angela Grate, Capital University

### JONES HALL 243
- **Philosophy & Ethics**
  - **2:40-3:00 p.m.**
    - *Liminal Pawns, Limited Justice: Aristotle’s Ethics and Unlearned History*
    - Jessica Treijs, Brooklyn College
  - **3:20-3:40 p.m.**
    - *Mocking or Memorializing: The Commonalities Between Open Casket Funerals and Posed Homicides*
    - Carolyn Click, University of Central Oklahoma

### JONES HALL 249
- **English**
  - **2:40-3:00 p.m.**
    - *Real Bodies: Understanding the Importance of Representation in Disability*
    - Ashlyn Hart, Eastern Connecticut State University
  - **3:00-3:20 p.m.**
    - *Reimagining The Classics: To Kill a Mockingbird, Cognitive Theory, and Interdisciplinary Studies for Secondary Students*
    - Kelly Mahaffy, Truman State University
  - **3:20-3:40 p.m.**
    - *Remaining in Limbo: The Gray Space of Reproductive Futurity and Queer Time on One’s Body as Demonstrated in Arturo Islas’ The Rain God*
    - Rachel Campbell, State University of New York-Brockport

### MANNING HALL 202
- **Nutrition**
  - **2:40-3:00 p.m.**
    - *Establishment of a High Performance Liquid Chromatography Method for Vitamin A in Nutrition Department*
    - Marcel Holman, University of Tennessee at Knoxville
  - **3:00-3:20 p.m.**
    - *Investigating the Effects of a Non-Profit’s Nutrition and Wellness Class on an Immigrant Community*
    - Nicole Barnes, American University

### MANNING HALL 204
- **History**
  - **2:40-3:00 p.m.**
    - *Connecting the Dots: The Suppression of the African Slave Trade Mapped*
    - Katelyn Ziegler, University of Missouri - Columbia
  - **3:20-3:40 p.m.**
    - *Digital Autobiographies: the Future of Preservation*
    - Kate Albrecht, Creighton University
MANNING HALL 222

History
3:00-3:20 p.m.
Road to the Red Olympics: British Responses to the 1980 Moscow Games, 1974-1980.
Reba Weatherford, Guilford College

3:20-3:40 p.m.
Ross Perot’s Quixotic 1992 Presidential Campaign
Muhammad Sheikh, San Jacinto College Honors Program

MANNING HALL 318

Communications
2:40-3:00 p.m.
Perceptions of Sequel, Remake, and Superhero Films Among College Students in Utah
Aaron Hall, Utah Valley University

3:00-3:20 p.m.
Racist Discourse on the Internet: A Study on 4chan.org
Parker Weaver, Hope College

3:20-3:40 p.m.
Raising Your Own Hero
Savannah Sasser, University of Central Oklahoma

MANNING HALL 320

Women, Gender, and Sexuality Studies
2:40-3:00 p.m.
Memes & Methodologies: Internet Scholarship, Gendered Analysis, and Concepts of Success
Katie Atwell, Appalachian State University

3:00-3:20 p.m.
Narrative of a Dope Black Queen Misunderstood
Aissatou Diallo, Macaulay Honors College at CUNY

3:20-3:40 p.m.
Observing How Women Are Portrayed on the Covers of Women’s Health Magazine
Melanie King, Eastern Illinois University

MANNING HALL 332

Interdisciplinary Studies
2:40-3:00 p.m.
The Patron’s Pyramid: Social Networks, Patronage, and Collective Action in Turkish Politics
Matthew Lillehaugen, Concordia College - Moorhead

3:00-3:20 p.m.
Understanding Factors That Influence Young Adult Leaders in Their Guidance of Young Adults Regarding Perceptions of the Compatibility of Origins Issues and the Christian Faith
Bryson Menke, Point Loma Nazarene University

Religious Studies
3:20-3:40 p.m.
On the Many Names of C.S. Lewis’s Aslan
Christopher Thiessen, Trevecca Nazarene University

MANNING HALL 340

Social Work
2:40-3:00 p.m.
The Opiate Epidemic’s Ground Zero: An Interpretative Phenomenological Analysis of Scioto County, Ohio Residents’ Lived Experiences of Residing in the Heart of the Nation’s Opiate Epidemic
Mary Martin, Miami University

3:00-3:20 p.m.
The Perpetuation of Victorian Sexual Mores in Modern American Culture
Emily Long, Capital University

Sociology
3:20-3:40 p.m.
Integrating Cultural and Ethnic Programming: Syrian Refugees in Germany
Lauren Kanady, North Central College

MANNING HALL 413

Computer Science
2:40-3:00 p.m.
Modeling eBook Sales Rank in the Amazon Marketplace: A Machine Learning Approach
Kevin Alvarez, Appalachian State University
3:00-3:20 p.m.
Personality Traits Across Multiple Tasks
Kyler Ross, Southern Nazarene University

3:20-3:40 p.m.
Programming Modern Design
Alisha Sprinkle, Appalachian State University

MEEMAN JOURNALISM 106
Political Science
2:40-3:00 p.m.
The Crisis of Modernity: Liberal Democracy and the Road Toward Illiberal Democracy in the West
John Bevacqua, American University

3:20-3:40 p.m.
The Effect of Previous Economic Performance on Hispanic Voting at Future Presidential Elections
Bryce Redmond, Florida Atlantic University

MEEMAN JOURNALISM 112
Political Science
2:40-3:00 p.m.
Elbridge Gerry--A Man of Compromise
Rebecca Cote, University of West Florida

3:00-3:20 p.m.
Exploring Utopia: Imagining the Possible
Alyssa Massey, Salisbury University

3:20-3:40 p.m.
Foreign Direct Investment’s Effect on Political Stability in Developing Countries: Solving the Endogeneity Problem
Timothy Melton, University of Kentucky

MEEMAN JOURNALISM 204
Law & Legal Studies
2:40-3:00 p.m.
The Legal Aspects of the Technology Providing Captioning for Broadway Productions
Nicole Cardascia, Ithaca College

3:00-3:20 p.m.
The Philosophical and Legal Implications of the Animal Welfare Act and Their Definition of an “Animal”
Julia Bates, Ithaca College

3:20-3:40 p.m.
Victims or Victimizers? An Analysis of American Media Perception of Juvenile Delinquency
Lucía Rose, American University

MANNING HALL 417
Sociology
2:40-3:00 p.m.
Poor Housing and Poor Health: Housing Conditions in Greensboro NC
Holly Brown, University of North Carolina at Greensboro

2:40-3:00 p.m.
Power in Connectivity: Social Capital and BMP Lease Agreements
Alexis Econie, Illinois State University

3:00-3:20 p.m.
Qualitative Study: Intergenerational Intimate Partner Violence
Ella McCalidaine, Eastern Washington University

MANNING HALL 426
Religious Studies
2:40-3:00 p.m.
Early Israelite Henotheism
Jacob Oakley, University of Central Oklahoma

3:00-3:20 p.m.
Examining Religion’s Role in Shaping Sexual Attitudes and Behaviors Among U.S. Latinas
Daniela Sostaita, Elon University

3:20-3:40 p.m.
Finding Meaning Despite Suffering and Trauma: The Myth of Sisyphus and the Book of Ecclesiastes
Amanda Nameniuk, Concordia College - Moorhead
PSYCHOLOGY AUDITORIUM A0200
Experimental Psychology

2:40-3:00 p.m.
Mindfulness and Work-Life Balance in Adults
Jamie Tombari, State University of New York-Brockport

3:00-3:20 p.m.
Implications of the Medieval Climate Anomaly on the Great Plains of North America
Maraina Miles, Slippery Rock University of Pennsylvania

3:20-3:40 p.m.
Increases in Coastal Flooding in Norfolk, Virginia Due to Local Sea Level Rise as a Threat to Critical Facilities and Emergency Medical Care
Renee Garrow, Virginia Commonwealth University

PSYCHOLOGY BUILDING 204
Clinical Psychology

2:40-3:00 p.m.
Full Stem Ahead: Attitudes About Gender Inequities in STEM & Leadership
Zarita Johnson, Dominican University of California

PSYCHOLOGY BUILDING 206
Cognitive Neuroscience

2:40-3:00 p.m.
N1 to Distractor Tones Is Affected by Tone Salience and Primary Task Difficulty
Andrea Perez-Munoz, Christian Brothers University

3:00-3:20 p.m.
Neuroarchaeology: An Interdisciplinary Field
Emily Jennings, University of Alabama at Birmingham

3:20-3:40 p.m.
No Natural Gender Differences in Children’s Earliest Quantitative Abilities
Kelsey Csumitta, University of Rochester

PSYCHOLOGY BUILDING 230
Geography & Earth Sciences

2:40-3:00 p.m.
How Much Do the Physical Site Characteristics Explain the Distribution of Tree Species in a Forest?
Samuel Long, Georgia College and State University
Student Oral Session 9 - Fri 4:00pm-5:00pm

DUNN HALL 109
Biochemistry
4:00-4:20 p.m.
Selectivity, Cooperativity, And Competition In The Binding of Heterocyclic Diamidines To DNA
Javier Valdes, Florida International University

4:20-4:40 p.m.
Alanine Scanning Mutagenesis of MsbA, a Bacterial ABC Transporter
Cora Petersen, Lubbock Christian University

4:40-5:00 p.m.
Bcl-2 Regulation of Sepsis-Associated Acute Kidney Injury
Kyle Lynch, Elon University

DUNN HALL 103 / 105
Anthropology
4:00-4:20 p.m.
Beyond Gender Archetypes: Recent Changes in Gender Depictions in Video Games
Sara Swett, Eastern Washington University

4:40-5:00 p.m.
How Players’ Identities Affect Their Experiences with Single Player Role-Playing Games
Olivia Manusia, Eastern Washington University

DUNN HALL 107
Anthropology
4:00-4:20 p.m.
The Wild West of Weed: Activism, Business, and Changing Legislation
Joseph Orman, University of Rochester

4:20-4:40 p.m.
Trails as Transportation: Perceptions of Trail Accessibility, Safety, and Walkability on the Carrollton, Georgia Greenbelt
Daniel Garner, University of West Georgia

DUNN HALL 119 / 121
Biology
4:00-4:20 p.m.
Characterizing the Role of SIRT5 in Cancer and Basic Mouse Biology
Justin Korfhage, University of Michigan

4:20-4:40 p.m.
Closing the Gap on Habitat Navigation; Elongate Fish Co-opt Propulsion Strategy for Performing Axial-based Locomotion in Terrestrial Environments
Lynne Rader, Adelphi University

4:40-5:00 p.m.
Comparison of Heavy Metal Concentrations in Terrestrial Plants in Vieques, Puerto Rico
Danielle Bucior, Ithaca College

DUNN HALL 123/125
Biology
4:00-4:20 p.m.
Isolation and Characterization of Central Proteins in A. subfuscus Glue
Cailin Harro, Ithaca College

4:20-4:40 p.m.
Isolation, Identification, and Characterization of Local Wild Yeasts for Use In Fermentation
Lauren DeLong, Salisbury University
4:00-5:00 p.m.
Lactobacillus Probiotics Effects on Maternally Separated Rat Pups
Lacie Werner, Saint Vincent College

DUNN HALL 124
Cell & Molecular Biology
4:00-4:20 p.m.
MDSC Proliferation in the 4T1 Breast Cancer Tumor Model
Jessye Hale, University of Wisconsin - Milwaukee

4:40-5:00 p.m.
Pseudomonas Fluorescens Pellicle Dynamics as an Expression of Public Goods
Chloe Fouilloux, University of Minnesota, Twin Cities

DUNN HALL 129
Chemistry
4:00-4:20 p.m.
Dative Bonds: A Method of Manufacturing Molecular Machines
William Archer, Western Carolina University

4:20-4:40 p.m.
Derivatization of Secondary Alcohols for the Purpose of Molecular Characterization
Odilia Mentari, St. Catherine University

DUNN HALL 233
Environmental Studies & Sciences
4:00-4:20 p.m.
Geographic Elephant Conservation: Understanding Land Use Patterns Beneficial to Sub-Saharan African Elephants
Sean Hubbard, Virginia Commonwealth University

4:20-4:40 p.m.
Multi-year Comparative Analysis of Maple Species for Syrup Production
Jacob Peters, The University of Virginia's College at Wise

DUNN HALL 249 / 251
Mathematics
4:00-4:20 p.m.
Development of Excel Tools for Lagrange and Barycentric Interpolation of Data
Kathryn Irish, University of Leeds

4:40-5:00 p.m.
Explorations of Finger Games
Daniel Tjie, Ithaca College

DUNN HALL 351
Communications
4:00-4:20 p.m.
Consciousness Is a Conversation: Towards an Eco-DIALOGical Theory of Communication
Weston Wood, University of Utah

Health Sciences
4:00-4:20 p.m.
The Speech Pathologist’s Role in the Treatment and Family Management of Selective Mutism
Andrea Archer, Abilene Christian University

4:20-4:40 p.m.
Trends For Success
Brock Sigler, University of Kentucky

ENGINEERING SCIENCE BUILDING 218
Chemical Engineering
4:20-4:40 p.m.
Rheological and Atomic Force Microscopy Investigation of Carotenoid Pigmented Antarctic Heterotrophic Bacteria
Hanna Showers, Montana State University Bozeman

ENGINEERING SCIENCE BUILDING 220
Engineering/Engineering Technology
4:00-4:20 p.m.
Breaking the Friction: Active Flow Control Tackling the Challenge in Aircraft Fuel Consumption and A Brief Outlook to the Future of Aerospace Applications
Carlos Caballero, Lamar University
4:00-4:20 p.m.
Large-Scale Fabrication of Graphene-Based Membrane Modules for Water Desalination
Isaac Angeron, Lamar University

4:20-4:40 p.m.
Material Characterization of 3D Printed Samples for Varying Layup Orientation
Konrad Hubbard, Eastern Washington University

4:40-5:00 p.m.
Open-air Ultrasonic Acoustic Energy Transfer Using Piezoelectric Transducers for Wirelessly Charging Low-power Sensors
Ahmed Elnahhas, Virginia Polytechnic Institute & State University

ENGINEERING SCIENCE BUILDING 222
Mechanical Engineering
4:00-4:20 p.m.
Agricultural Extension Services and Productivity of Farmers in Ethiopia
Katim Woldemariam, Lafayette College

4:40-5:00 p.m.
Algae Blooms: Hedonic Pricing Analysis of Select Wisconsin Lakes
Helena Pedrotti, Reed College

FOGELMAN CLASSROOM BUILDING 127
Economics
4:20-4:40 p.m.
Market Inefficiencies in the Pricing of Loan Participation Closed-End Funds
Daniel Crowley, Lafayette College

FOGELMAN CLASSROOM BUILDING 131
Health Sciences
4:00-4:20 p.m.
Web MD or Human MD?
Ashwini Chawla, Macaulay Honors College at CUNY

FOGELMAN CLASSROOM BUILDING 259
Physics
4:00-4:20 p.m.
Computational Investigation of the Atomics-scale Mechanism of Electrical Dipole Switching in Phosphosilicate Glass
ZHI SONG, University of Memphis

4:20-4:40 p.m.
Conceptual Improvement in Understanding Physics Topics by Integrating Computer Simulation Package PhET Interactive Simulations as Prelab Followed by a Designed Lab as Post Lab
Christopher Patzanovsky, University of Memphis

4:40-5:00 p.m.
Correlation Between Phantom and Surgical Specimen Studies Indicate Sensitivity of High-Frequency Ultrasound to Breast Cancer Lobular Carcinomas
Nicole Cowan, Utah Valley University

FOGELMAN CLASSROOM BUILDING 119
Business/Finance/Accounting
4:00-4:20 p.m.
To Invest or Not To Invest?
Marina Jones, Our Lady of the Lake University

FOGELMAN CLASSROOM BUILDING 125
Economics
4:00-4:20 p.m.
The Effects of the Environment on Decision-Making: A Study of Cognitive Ease and Cognitive Strain and Their Effects on Fast and Slow Thinking
Lucas Cuadros, Wingate University
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00-4:20 p.m.</td>
<td>FOGELMAN CLASSROOM BUILDING 261</td>
<td>Physics: The Search for Harmonic Drums, Thomas Eichlersmith, Hamline University</td>
</tr>
<tr>
<td>4:20-4:40 p.m.</td>
<td>FOGELMAN CLASSROOM BUILDING 262</td>
<td>Public Health: Sages-Femmes of Dakar, Senegal, Through Firsthand Experience, Maria Suarez, State University of New York-Geneseo</td>
</tr>
<tr>
<td>4:40-5:00 p.m.</td>
<td>FOGELMAN CLASSROOM BUILDING 264</td>
<td>International Studies: Reflected in the Real World? A Glance at How Media Portrays the Poor, Prasadi Dangolla, Albright College</td>
</tr>
<tr>
<td>4:40-5:00 p.m.</td>
<td>JONES HALL 200</td>
<td>Education: Exploring Alternative High Schools: What Makes the Difference, Barbara Bollhoffer, Hope College</td>
</tr>
<tr>
<td>4:40-5:00 p.m.</td>
<td>JONES HALL 214</td>
<td>Literature: The Landscape of Late Victorian Literature: Sensational Journalism, Insanity Trials, and the Ripper Crimes, Carolyn Turkaly, American University</td>
</tr>
<tr>
<td>4:40-5:00 p.m.</td>
<td>FOGELMAN CLASSROOM BUILDING 261</td>
<td>Physics: TiO2 Coated Nanocellulose Aerogel Catalyst, Byron Fritch, University of Northern Iowa</td>
</tr>
<tr>
<td>4:40-5:00 p.m.</td>
<td>FOGELMAN CLASSROOM BUILDING 262</td>
<td>Public Health: Diminished Health Literacy in Geriatric Patients: Polypharmacy Contributes to Preventable Deaths of Geriatric Patients, Allison Blumenfeld, Virginia Commonwealth University</td>
</tr>
<tr>
<td>4:40-5:00 p.m.</td>
<td>FOGELMAN CLASSROOM BUILDING 264</td>
<td>International Studies: Reframing Climate-Driven Population Movement: Migration as Adaptation in Bangladesh and Vietnam, Carolyn Turkaly, American University</td>
</tr>
<tr>
<td>4:40-5:00 p.m.</td>
<td>JONES HALL 212</td>
<td>Public Health: Sages-Femmes of Dakar, Senegal, Through Firsthand Experience: An Unparalleled Profession in the United States, Maria Suarez, State University of New York-Geneseo</td>
</tr>
<tr>
<td>4:40-5:00 p.m.</td>
<td>JONES HALL 214</td>
<td>Literature: The Philosophy of the Leap: Egoism in Conrad’s Lord Jim, Ryan Baker, University of Wisconsin - River Falls</td>
</tr>
</tbody>
</table>
JONES HALL 218

English
4:00-4:20 p.m.
Adam Stands Alone: The Effect of the Oedipus Conflict in Cormier’s I Am the Cheese
Courtney Werner, Eastern Connecticut State University

4:20-4:40 p.m.
Alienation and Abominations: Terror and Horror in Classic Gothic Novels and My Own Writing
Shae Ramsey, Bridgewater State University

4:40-5:00 p.m.
Altering the Human: Why the Debate Over Antidepressants Produces the Most Controversy
Emily Daley, University of Wisconsin - Milwaukee

JONES HALL 226

English
4:00-4:20 p.m.
Ginger
Gloria Bartel, University of Wisconsin - River Falls

4:20-4:40 p.m.
God’s Array of Emotions in Paradise Lost
Jasmine Duncan, Western Carolina University

4:40-5:00 p.m.
Harry Potter and the Curse of Queerbaiting
Jordan Freeman, Western Carolina University

JONES HALL 237

Journalism
4:40-5:00 p.m.
Who’s Behind the Desk? An Analysis of Newsroom Diversity in Small, Medium, and Large Television Markets Within the Midwest
Brian Hartman, Eastern Illinois University

Philosophy & Ethics
4:20-4:40 p.m.
Wittgenstein’s Idea of the “Use” Contrasted to Malinowski’s Concept of the “Context of Situation”
Maria Constanza Garrido Sierralta, University of West Georgia

JONES HALL 239

English
4:40-5:00 p.m.
Virtue Over Convention: How Language Encourages Change in Jane Austen’s Persuasion
Mary Weir, Carthage College

JONES HALL 243

Philosophy & Ethics
4:00-4:20 p.m.
Natural Wickedness: The Human Flourishing Of Serial Killers
Chelsea Mason Basiliere, Bridgewater State University

4:20-4:40 p.m.
Neutrality in the Face of Suffering: A Comparative Evaluation of Two International Medical Humanitarian Organizations and Their Distinct Interpretations of the Principle of Neutrality
Sharon Hsu, Siena College

4:40-5:00 p.m.
Neutrality: Freewill and Determinism
Janelle Gormley, University of West Florida

JONES HALL 249

English
4:00-4:20 p.m.
Representative Interrogation: Orhan Pamuk’s Rebuttal of the East/West Binary in “My Name Is Red”
Thomas Simonson, University of North Carolina, Charlotte

4:40-5:00 p.m.
Rhetorical Analysis on Gorgias’ Encomium of Helen
Miranda Lorenc, Utah State University

MANNING HALL 202

Sport Management
4:20-4:40 p.m.
A Pursuit of Happiness In NCAA Division III Athletics
Gabriel Branco, North Dakota State University (Nlt)
4:40-5:00 p.m.
Culture of Women’s Athletics at Eastern Connecticut State University in the NCAA vs. in the AIAW
Rosamaria Riccobono, Eastern Connecticut State University

MANNING HALL 204
History
4:00-4:20 p.m.
Driving Toward the Future: The Effects of World War II on the American Automobile Industry
Patrick Heaston, University of Evansville

4:20-4:40 p.m.
Ebola the Enemy: How the U.S. Media Militarized the 2014 Ebola Epidemic
Sarah Channness, Valparaiso University

4:40-5:00 p.m.
Examining How NAGPRA Influences the Muscogee Nation Interacts with Its Distant Past in Macon, Georgia
Micheal Williams, Macon State College

MANNING HALL 222
History
4:00-4:20 p.m.
Salonnieres, Enlightenment Culture, and Challenging Gender Roles: The Case of Julie De Lespinasse
Nicole Ackman, Elon University

4:20-4:40 p.m.
Scapegoat Hysteria: A Comparison of the Salem Witch Trials and the Red Scare
Andreanna Hughes, Bridgewater State University

4:40-5:00 p.m.
Schopenhauerian Thought and Eastern Philosophy
Lawrence Caruso, Appalachian State University

MANNING HALL 318
Communications
4:00-4:20 p.m.
Representations of Plato’s Allegory of the Cave in Film
Michael Pugh, Lubbock Christian University

MANNING HALL 320
Women, Gender, and Sexuality Studies
4:00-4:20 p.m.
Quandaries, Quarrels and Quotas: An Examination of Gender Norms in Kosovo
Hayley Schultz, Hope College

4:20-4:40 p.m.
Relationship Between Attitudes Towards Casual Sex, Gender Roles and Condom Advocacy
Abby Caselli, Eastern Connecticut State University

4:40-5:00 p.m.
Stigma, Social Roles, and Susceptibility to HIV: Three S’s That Promote Hegemonic Masculinity in South Africa
Jasmine Render, Mercer University

MANNING HALL 332
History
4:00-4:20 p.m.
The Alexiad: How the Presentation of Alexios Exposed the Ideals of the Byzantine Empire
Tyler Brown, John Brown University

Religious Studies
4:00-4:20 p.m.
Why We Should All Be Reformed Charismatic and Pentecostal Calvinists
Oluwaseyi Matthew Ojo, Dordt College

MANNING HALL 340
Sociology
4:00-4:20 p.m.
"Let’s Do Something, Saathi": The Role of Social Media in Shaping Participatory Capacities of Youth in Nepal
Leena Dahal, Elon University

4:20-4:40 p.m.
A+ Asian Americans: The Myth of the Model Minority
Joyce Ling, Macaulay Honors College at CUNY
<table>
<thead>
<tr>
<th>Location</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MANNING HALL 413</td>
<td>4:00-4:20 p.m.</td>
<td>Scientific Visualization of Climate Model for Assessment and Planning</td>
<td>Robert Strickland, Coastal Carolina University</td>
</tr>
<tr>
<td></td>
<td>4:20-4:40 p.m.</td>
<td>The Effects of Criminalization on Homeless Quality of Life: A Case Study of Pinellas County, Los Angeles County, and New York City</td>
<td>Amy Wheeler, Texas Christian University</td>
</tr>
<tr>
<td></td>
<td>4:40-5:00 p.m.</td>
<td>From Dehumanization to Hope: Confronting the American Penal System</td>
<td>Susan Thomas, Brooklyn College</td>
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<td>From Online to Offline: Protests on Democratic and Republican National Convention</td>
<td>Chen Liang, University of Michigan</td>
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<td>4:20-4:40 p.m.</td>
<td>Improving the System: Examining the Role of Physical Therapy in Spain’s Healthcare System After Eight Years of Financial Crisis</td>
<td>Elizabeth Wagnon, Illinois College</td>
</tr>
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<td>4:40-5:00 p.m.</td>
<td>A Competition of Carrots: Increased Interdependence as a Result of Modern Hegemonic Behavior Towards Smaller States During Convergence</td>
<td>Hailee Meacham, American University</td>
</tr>
<tr>
<td>MANNING HALL 417</td>
<td>4:00-4:20 p.m.</td>
<td>Racial Differences in Trait Self Esteem Among Adolescent Females</td>
<td>Timothy Mayer, University of Michigan</td>
</tr>
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<td></td>
<td>4:20-4:40 p.m.</td>
<td>Racial-Ethnic Online Dating Preferences</td>
<td>Chris Kim, Ithaca College</td>
</tr>
<tr>
<td>MANNING HALL 426</td>
<td>4:20-4:40 p.m.</td>
<td>Grief, Adolescents, and the Church: How Christian Belief Can Help or Hinder the Process of Grief for Adolescents</td>
<td>Clare Warrington, John Brown University</td>
</tr>
<tr>
<td>MEEMAN JOURNALISM 106</td>
<td>4:00-4:20 p.m.</td>
<td>The Effect of Rwandan Aggression on Burundian Economic Success and Political Advancement Within Intergovernmental Bodies</td>
<td>Mairin Cahill, City University of New York-Lehman College</td>
</tr>
<tr>
<td>MEEMAN JOURNALISM 112</td>
<td>4:00-4:20 p.m.</td>
<td>From Dehumanization to Hope: Confronting the American Penal System</td>
<td>Susan Thomas, Brooklyn College</td>
</tr>
<tr>
<td>MEEMAN JOURNALISM 204</td>
<td>4:20-4:40 p.m.</td>
<td>Improving the System: Examining the Role of Physical Therapy in Spain’s Healthcare System After Eight Years of Financial Crisis</td>
<td>Elizabeth Wagnon, Illinois College</td>
</tr>
<tr>
<td>Law &amp; Legal Studies</td>
<td>4:00-4:20 p.m.</td>
<td>Sexual Assault Within the Workplace: Determining Liability Among Employers</td>
<td>Madeleine Anthony, Ithaca College</td>
</tr>
</tbody>
</table>
PSYCHOLOGY AUDITORIUM A0200
Experimental Psychology
4:00-4:20 p.m.
Predicting Menstrual Product Brand Commitment by Examining Perceived Value and Satisfaction as a Secondary Measure of Loyalty
Nicole Piatti, William Peace University

4:20-4:40 p.m.
Puzzle-Solving Performance
Alexandra Van Meir, William Peace University

4:40-5:00 p.m.
Re-examining the Cookie Cutter College Kid: A Comparison of Student Populations
Sarah Kurzu, Webster University

PSYCHOLOGY BUILDING 204
Clinical Psychology
4:00-4:20 p.m.
Meditating Your Way to a Healthy Body Image: A Comparison of Loving Kindness Meditation and Mindful Breathing
Stephanie Michel, Albright College

4:20-4:40 p.m.
Misdiagnosis of Mental Illness: Flaws of the DSM-V and Their Effects on Mental Health in the Community
Bijal Rajput, Virginia Commonwealth University

4:40-5:00 p.m.
Predicting Social Factors of Prescription Stimulant Abuse in College Students
Trevor Levingston, Eastern Illinois University

PSYCHOLOGY BUILDING 206
Clinical Psychology
4:40-5:00 p.m.
Using the Wechsler Adult Intelligence Scale—Fourth Edition as an Additive Method of Diagnosis for Patients Suffering from Depression, ADHD, and Bipolar II Disorder
Nidhi Kumar, Virginia Commonwealth University

Cognitive Neuroscience
4:00-4:20 p.m.
Psychology of Patients with Complex Regional Pain Syndrome
Julianna Guilfoy, Virginia Commonwealth University

4:20-4:40 p.m.
Undermining Education Readiness: Assessing the Effects of Cognitive Impairment in Refugee Children with Post-Traumatic Stress Disorder
Amelia Scarbrough, Luther College

PSYCHOLOGY BUILDING 230
Geography & Earth Sciences
4:00-4:20 p.m.
Influence of Climate Variability on Samburu County, Kenya Pastoralism
Hollie Skibstead, Colorado State - Colorado State University- Cooperative Extension- Jefferson Co

4:20-4:40 p.m.
Investigating Temporal and Spatial Variations of Trace Metal Loading to Utah Lake, Ut (usa)
Henintsoa Rakotoarisaona, Utah Valley University

4:40-5:00 p.m.
Mapping the Nonconnah Creek
Lindsay Dolan, University of Memphis
Student Oral Session 10 - Sat 8:00am-9:00am

ART AND COMMUNICATION 247
Music
8:20-8:40 a.m.
From Modal to Tonal: The Influence of Monteverdi in Musical Development
Haley Perritt, Cedarville University

8:40-9:00 a.m.
Technology and the Concert Band: Why Is This Genre Neglected by Music Educators in the Performance Setting?
Callie Barbeau, University of Wisconsin - Whitewater

ART AND COMMUNICATION 314
Music
8:20-8:40 a.m.
Music in the American Civil War: Developing American Culture
Abigail Hall, Viterbo University

ART AND COMMUNICATION 257
Art History
8:00-8:20 a.m.
Quietly Feminist: The Changing, but Ever-present, Role of Capable Women in Alphonse Mucha’s Work
Trisha Brockmeyer, Xavier University

8:20-8:40 a.m.
Remembering the Women of the Bauhaus: Gender Inequality in a Self Proclaimed Equal School
Madison Murphy, University of West Florida

8:40-9:00 a.m.
Shepard Fairey Has a Posse: An Analysis and Application of Fairey’s Work and Message
Matthew McCroskey, Capital University

ART AND COMMUNICATION 310
Music
8:00-8:20 a.m.
Changes for Change: How Jazz Composer Charles Mingus Fought for Equality
Caleb McMahon, Appalachian State University

8:20-8:40 a.m.
Pérotin to Pärt: Developing the Composing Mind
Ryan Huntington, The University of Virginia’s College at Wise

DUNN HALL 103 / 105
Anthropology
8:00-8:20 a.m.
La Lleyenda De Yobi, El Zorro Con Cinco Colas/ ???
??? Emotion in Translation: A Humanistic Study of Translation Korean to Spanish
Lidia Velasco, Eastern Washington University
8:20-8:40 a.m.
Lived Realities of Healthcare: A WenZhounese Experience
Da Qi Xia, City University of New York- Brooklyn College

8:40-9:00 a.m.
Organ Transplantation in the Modern Age: When Nuance and Uncertainty Break Binary Expectations
Anastasia Vechera, University of California, San Diego

DUNN HALL 107
Communications
8:00-8:20 a.m.
The Effects of Personality Types (Introversion-Extraversion) on Promoting Feminism on Social Media Platforms
Jamie Shum, Ithaca College

8:20-8:40 a.m.
The Evolution of Female Roles in Film: 2005-2014
Natalie Davis, Sul Ross State University

8:40-9:00 a.m.
The Girls and The Others
Jalen Thompson, University of Montevallo

DUNN HALL 109
Biochemistry
8:20-8:40 a.m.
Chemical Cross-linking of Doxorubicin to Synthetic Oligonucleotides by Formaldehyde
Juan Medina, Florida International University

8:40-9:00 a.m.
Conditional Deletion of Adora2B from Smooth Muscle Cells Attenuates Pulmonary Hypertension But Not Lung Fibrosis
Ankit Hanmandlu, University of Texas at Austin

DUNN HALL 119 / 121
Biology
8:00-8:20 a.m.
Comparison of Sugars and Amino Acids in Nectar from Scaevola taccada and Scaevola plumieri.
Colette Piasecki-Masters, Ithaca College

8:20-8:40 a.m.
Computational Model of the Afferent Connections to the Mesocorticolimbic Pathway
Jordan Thomas, Our Lady of the Lake University

8:40-9:00 a.m.
Controlling Oct4 Expression Levels Using Invitrogen’s GeneSwitch™ System
Autumn Leggins, Winthrop University

DUNN HALL 123/125
Biology
8:00-8:20 a.m.
Median Fin Patterning in Bony Fish: Caspase-3 Role in Fin Fold Reabsorption
Kaitlyn Hammock, Eastern Illinois University

8:20-8:40 a.m.
Morphological Effects of Bisphenol-A on Danio Rerio
Rahanna Khan, Adelphi University

8:40-9:00 a.m.
Multiple Parasites Elicit Different Immune Response in Female Mountain Spiny Lizards, Sceloporus Jarrovii
Keith Johnson, Indiana State University

DUNN HALL 124
History
8:20-8:40 a.m.
The Use of Photography in the Suppression of the African Slave Trade, 1842-1910
Ellie Cherryhomes, University of Missouri - Columbia

8:40-9:00 a.m.
Advocacy Group Use of Social Media to Inform, Mobilize, and Change Policy
Katherine Koyfman, Dominican University of California

DUNN HALL 249 / 251
Mathematics
8:00-8:20 a.m.
Fractal Assembly in the Hierarchical Self-assembly Model Versus Abstract Tile Assembly Model
Joseph Opseth, University of Wisconsin - River Falls
8:20-8:40 a.m.
Homology of Permutation Complexes
Catherine Wallick, St. Catherine University

8:40-9:00 a.m.
Mining Item Features from Reviews and Ratings for Item Recommendation
Chenyu Zhai, Wittenberg University

FOGELMAN CLASSROOM BUILDING 265
Psychology
8:00-8:20 a.m.
Measured Discrepancies Between Teacher Perceptions and Student Actions in Academic Cheating
Sharon Thomas, White Station High School, University of Memphis

8:20-8:40 a.m.
Cognitive Impacts of Inter-study Session Media Multitasking on Study Productivity
Fengbo Zhao, White Station High School, University of Memphis

Public Health
8:40-9:00 a.m.
Teens Nutritional Awareness
Phoebe Anderson, White Station High School, University of Memphis

FOGELMAN CLASSROOM BUILDING 266
Public Health
8:00-8:20 a.m.
Does Cigarette Smoking Reduce Motivation to Exercise?
Maggie Dong, White Station High School, University of Memphis

Communications
8:20-8:40 a.m.
New Media & Information Retention in High School Students
Srikavya Jawabnavis, White Station High School, University of Memphis

8:40-9:00 a.m.
The Relationship between Language Preference and Family Cohesion in East Asian Immigrant Families within the United States
Ziya Wu, White Station High School, University of Memphis

FOGELMAN CLASSROOM BUILDING 267
Social Work
8:00-8:20 a.m.
Solving Veteran Homelessness through Education
Katlyn Hurst, White Station High School, University of Memphis
FOGELMAN CLASSROOM BUILDING 268
Education
8:00-8:20 a.m.
Preparing Underrepresented Youth in STEM
Anna Sun, White Station High School, University of Memphis

English
8:20-8:40 a.m.
English as a Second Language: Teachers’ Perceptions of Their Ability to Teach Refugee Students
Allie Haynes, White Station High School, University of Memphis

Environmental Engineering
8:40-9:00 a.m.
H20nduras Water Project: Improving Access to Clean Water with Organic Material
Robert Miskell, White Station High School, University of Memphis

JONES HALL 200
Education
8:20-8:40 a.m.
High School, College Assistance Program Student to Advisor Ratio
Yessenia Lopez Reyes, Florida International University

8:40-9:00 a.m.
How Can General Education Be Innovative
Liv Winnicki, Appalachian State University

JONES HALL 212
Literature
8:00-8:20 a.m.
Intersecting Globalization and Feminism in This Bridge Called My Back
Sarah Stubbs, The University of Findlay

8:20-8:40 a.m.
Isabella D’Este: Defying Courtly Women’s Stereotypes in Renaissance Mantua
Shelby Mickler, Jacksonville University

8:40-9:00 a.m.
Lady Bertram as an Orientalist Figure in Mansfield Park
Madelaine McBride, The University of Findlay

JONES HALL 214
Literature
8:00-8:20 a.m.
The Poetry of Body and Soul: Personhood in John Donne
Madison Forbes, Bridgewater State University

8:20-8:40 a.m.
The Polyphonic Poetics of Watchmen by Alan Moore and Dave Gibbons and Its Ontological Implications
Roy Auh, Duke University

8:40-9:00 a.m.
The Significance of “Poo-tee-weet?” in Slaughterhouse-Five
Thanh Truong, University of Central Oklahoma

JONES HALL 218
English
8:00-8:20 a.m.
An Analysis of the Writing Center Grand Narrative: How Diverse Institutions Have Expanded
Sophia Hulen, Wittenberg University

8:20-8:40 a.m.
Anatomy of a Host: Host-identity and Hostesses in the Odyssey and Irish Saga
Julia Pare, Macaulay Honors College at Brooklyn

8:40-9:00 a.m.
Attention Spans: A More Thorough Look
Alec Masella, Virginia Polytechnic Institute & State University

JONES HALL 226
English
8:00-8:20 a.m.
How College Athletics Impact Career Development
Ashlee Carper, Southern New Hampshire University
8:20-8:40 a.m.
How Language Affects Gender in Children
Chelsea Larson, University of Memphis

8:40-9:00 a.m.
Imani
Antonio Gomez, Truman State University

JONES HALL 237
World languages
8:00-8:20 a.m.
“Social Assimilation of Hispanics in the United States”
Laura Gomez, Florida Atlantic University

8:20-8:40 a.m.
The Extraordinary Realities in Aura by Carlos Fuentes
Nicole Zic, Kean University

8:40-9:00 a.m.
Unterdrückung in Der DDR: An Analysis of Oppression in Former East Germany
Joanna Bodigor, North Central College

JONES HALL 239
English
8:00-8:20 a.m.
Visualizing the Unspeakable: Graphic Novels and Illustrating the Holocaust
Madilyn Pflueger, Trinity University

8:20-8:40 a.m.
Westminster Detective Library
Mable Buchanan, McDaniel College

8:40-9:00 a.m.
When Fools Push Back: Identifying Subversion in “King Lear” and “Twelfth Night”
Victoria Bruick, Valparaiso University

JONES HALL 243
Philosophy & Ethics
8:00-8:20 a.m.
Friedrich Nietzsche’s Philosophy: Placing Morality Back Into the Individual
Corey Horn, Eastern Washington University

8:20-8:40 a.m.
Nietzsche and Anarchy
Thomas Voigtländer, Eastern Washington University

8:40-9:00 a.m.
Philosophical Roots of Immigration Rights
Andrey Koltsov, Brooklyn College

JONES HALL 249
English
8:00-8:20 a.m.
Rhetorical Theory and South Park
Tyler Grow, Utah State University

8:20-8:40 a.m.
Scars of Slavery: Generational Trauma in Pauline Hopkins’s Of One Blood
Emma Deihl, Luther College

8:40-9:00 a.m.
Service the Superior: An Examination of Women’s Relationship to Justice in Ariel Dorfman’s Death and the Maiden
Santana Batts, William Peace University

MANNING HALL 202
Sport Management
8:00-8:20 a.m.
Education Paradox: The Opportunity Cost of U.S. Professional Soccer
Nathaniel Fournier, Southern New Hampshire University

8:20-8:40 a.m.
Fans’ Awareness and Effectiveness of Commercial Promotions in NCAA D-II Football Inaugural Season Games
Mark Chasteen, University of West Florida

MANNING HALL 204
History
8:00-8:20 a.m.
Exploiting a Pirate Legend: The Twentieth Century Manipulation of Granuaile O’Malley
Naomi Hanson, Ithaca College
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00-8:20 a.m.</td>
<td><strong>History</strong>&lt;br&gt;Seven Pillars of Destruction: Lawrence’s Contribution to Counterinsurgency&lt;br&gt;Matthew Gibson, Xavier University</td>
</tr>
<tr>
<td>8:20-8:40 a.m.</td>
<td>The Enduring Legacy of Those Ladies in Red: Following the Changing Nature of “The Red Detachment of Women”&lt;br&gt;R. Christian Phillips, Capital University</td>
</tr>
<tr>
<td>8:40-9:00 a.m.</td>
<td>The Game of United States Diplomacy Within the Ottoman Empire: How United States’ Interests in the Ottoman Empire Delayed Its Entrance into the Great War&lt;br&gt;Robert Nowland, University of North Carolina - Asheville</td>
</tr>
<tr>
<td>8:00-8:20 a.m.</td>
<td><strong>Sociology</strong>&lt;br&gt;Characteristics of Psychedelic Users in the United States&lt;br&gt;Logan Neitzke-Spruill, Minnesota State University, Mankato</td>
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<td>8:20-8:40 a.m.</td>
<td>Social Media Trust Study&lt;br&gt;Susan McLean, Eastern Connecticut State University</td>
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<td>8:40-9:00 a.m.</td>
<td>The Syrian War of Attrition: How the World Superpowers Are Fighting Each Other&lt;br&gt;Jacob Peoples, Eastern Kentucky University</td>
</tr>
<tr>
<td>8:20-8:40 a.m.</td>
<td><strong>Communications</strong>&lt;br&gt;Silenced Voices: Insanity in Nineteenth-Century Pennsylvania&lt;br&gt;Rachel Baer, Susquehanna University</td>
</tr>
<tr>
<td>8:00-8:20 a.m.</td>
<td><strong>Women, Gender, and Sexuality Studies</strong>&lt;br&gt;Suffering Sappho! Female Friendships in Superhero Comics, 1940s to 1960s and Today&lt;br&gt;Hannah Costelle, Eastern Kentucky University</td>
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<tr>
<td>8:20-8:40 a.m.</td>
<td>TermMerge: A Software Platform for Crowd-Sourced Word Semantics&lt;br&gt;Alastair Paragas, Florida International University</td>
</tr>
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<td>8:40-9:00 a.m.</td>
<td>Speaking in Tongues About Weapons of Mass Destruction: Communication Norms of a High School Debate Team&lt;br&gt;Anthony Purinton, University of Central Oklahoma</td>
</tr>
<tr>
<td>8:00-8:20 a.m.</td>
<td><strong>History</strong>&lt;br&gt;The Development of the Rhetoric of Labor and Civil Rights in the United States and South Africa&lt;br&gt;Jacqueline Atchison, Mercer University</td>
</tr>
<tr>
<td>8:20-8:40 a.m.</td>
<td>The Adoption Rate of Lambda Expressions in Java Open Source Projects&lt;br&gt;Christopher Saldivar, Arkansas State University</td>
</tr>
<tr>
<td>8:40-9:00 a.m.</td>
<td>Topoisomerase: The Architect of Genomic Infrastructure&lt;br&gt;Kyle Titus-Glover, Virginia Polytechnic Institute &amp; State University</td>
</tr>
</tbody>
</table>
### MANNING HALL 417
#### Sociology
**8:00-8:20 a.m.**
Reimagining Inclusivity: Transgender Experiences in Higher Education  
Sarah Reilly, Central Connecticut State University

**8:20-8:40 a.m.**
Self Identity: The Process of Internalizing Societal Projections  
Martha Meyer, University of Wisconsin - Stout

**8:40-9:00 a.m.**
Shared Livelihoods in East Africa: The Race for Capital & Refugee Camp-host Community Relations  
Asa Athman, George Mason University

### MANNING HALL 426
#### Religious Studies
**8:20-8:40 a.m.**
Interpretation of the Symbolic Veil  
Kila Dumas, Concordia College - Moorhead

### MEEMAN JOURNALISM 204
#### International Studies
**8:20-8:40 a.m.**
A New Cohesion: Nigerian Regional Power on the African Continent  
Darby Joyce, Salisbury University

**8:40-9:00 a.m.**
A Schools Based Approach to Solving the Mental Healthcare Shortage Among Child Refugees  
Victoria Gupton, Virginia Commonwealth University

### MEEMAN JOURNALISM 106
#### Political Science
**8:00-8:20 a.m.**
The Importance of Ethnic Studies in Today’s Society  
Cindy Morales, Augustana College

**8:20-8:40 a.m.**
The Oppression of Muslim Rights and Culture: Categorical Inequality and De-Democratization in France  
Jennifer Sacco, Eastern Washington University

**8:40-9:00 a.m.**
The Political Role of Humanitarian Aid in Conflict Zones  
Samuel Northrup, University of Kentucky

### MEEMAN JOURNALISM 112
#### Political Science
**8:00-8:20 a.m.**
Gender Quotas and Substantive Representation: Lessons from Cape Verde  
Cody Lathe, Western Carolina University

**8:20-8:40 a.m.**
Global Internet Leaders Identify Issues Crucial to Achieving United Nations 2030 Sustainable Development Goals  
Anna Zwingelberg, Elon University

**8:40-9:00 a.m.**
Imagining Stewardship: Roots of a Poetic Eco-Politics  
Ryan Hellenbrand, Appalachian State University

### PSYCHOLOGY AUDITORIUM A0200
#### Experimental Psychology
**8:00-8:20 a.m.**
Red Bulls and Roommates: Do Caffeine Consumption and Living Arrangements Impact Sleepiness in College Students?  
Lewis Moore, The University of Virginia’s College at Wise

**8:40-9:00 a.m.**
Revisiting A+(b1) Professor–Student Rapport+(b2) Humor+(b3) Student Engagement=(Y) Student Ratings of Instructors  
Madison Hanks Hanks, Utah Valley University

### PSYCHOLOGY BUILDING 204
#### Experimental Psychology
**8:20-8:40 a.m.**
The Role of Context in the Reinstatement of Conditioned Fear  
Taylor McDougal, Appalachian State University
8:40-9:00 a.m.
The Roles of Empathy and Race on Contagious Yawning
Daroon Jalil, James Madison University

PSYCHOLOGY BUILDING 206
Experimental Psychology
8:00-8:20 a.m.
Susceptibility to Priming in Analytical vs. Intuitive Thinkers
Sabrina Zitzelberger, California University of Pennsylvania

8:40-9:00 a.m.
The Effect of Choice Mindset on Perceptions of Human Trafficking
Alicia Alcaraz, Valparaiso University

PSYCHOLOGY BUILDING 230
Geography & Earth Sciences
8:00-8:20 a.m.
Monitoring the Spread of the American Black Bear (Ursus Americanus) Around Ithaca, New York
Victoria Chamberlin, Ithaca College

8:20-8:40 a.m.
People, Wildlife and Conservation in Samburu County, Kenya
Ashley Foster, Colorado State - Colorado State University- Cooperative Extension- Jefferson Co

8:40-9:00 a.m.
Plastic Waste Identification and Potential Solutions: A Case Study of Bocas Town, Panama
Hailey Gorman, Minnesota State University, Mankato

Student Oral Session 11 - Sat 9:20am-10:20am

ART AND COMMUNICATION 247
Music
9:40-10:00 a.m.
Interaction of Fashion, Dance Movement, and Dance Music in King Louis XIV’s Court
Miranda Penley, Appalachian State University

10:00-10:20 a.m.
Joachim Raff: The Fall into Obscurity
Kyle Geesey, University of Northern Iowa

ART AND COMMUNICATION 257
Art History
9:20-9:40 a.m.
Spatial Harmonies: Aesthetic Forms of Classical Thought
Nickelaus Engle, Juniata College

9:40-10:00 a.m.
Teresita Fernandez, Installation Art, and the Anti-Cinematic
Emma Osle, Kutztown University

10:00-10:20 a.m.
The Art of Process
Catherine Knowles, University of Memphis

ART AND COMMUNICATION 314
Music
9:20-9:40 a.m.
Music Theory Pedagogy and the Benefits at an Undergraduate Level
Zachary Lloyd, Appalachian State University

9:40-10:00 a.m.
Out Damned Spot: Gender, Madness, and Verdi’s Lady Macbeth
Mandy Mericle, Appalachian State University
COMMUNICATION AND FINE ARTS 124
Music
9:20-9:40 a.m.
Sounding a Note of Freedom: Beethoven’s Ninth in Tiananmen Square and at the Berlin Wall
Emily Robinson, Valparaiso University

9:40-10:00 a.m.
Strange Fruit and Stranger Times
Alexandra Cebula, Western Carolina University

10:00-10:20 a.m.
Strategies to Alleviate Practice Room Frustrations
Ashley Shamhart, Eastern Illinois University

DUNN HALL 109
Biochemistry
9:20-9:40 a.m.
Compositional Analysis of Stress Granules Containing Ded1 with an ATPase Mutation
Daniel Henthorn, Oklahoma State University

9:40-10:00 a.m.
Computational Analysis of the Movement and Inhibition of APOBEC3B
Emily Leddin, Truman State University

10:00-10:20 a.m.
Developing Novel Antibiotics to Target MEP Synthase
Claire Johnson, George Mason University

DUNN HALL 103 / 105
Anthropology
9:20-9:40 a.m.
Pelo Malo: Hair and Identity Among Latina and African American Women
Rosemarie Ayala-Soto, Central Connecticut State University

9:40-10:00 a.m.
Perceptions of Rape Culture From Eastern Connecticut State University Students
Jolene Potter, Eastern Connecticut State University

10:00-10:20 a.m.
Perceptions on Body Donation by the Researchers Who Utilize Body Donors in Research and Education
Meg Taylor, Texas State University - San Marcos

DUNN HALL 119 / 121
Biology
9:20-9:40 a.m.
Corbicula fluminae: Tracking the Invasive Species Up the Tuckasegee River
William Turonis, Western Carolina University

9:40-10:00 a.m.
Cyanobacteria Presence in Lake Nicaragua
Stephanie Francis, Truman State University

10:00-10:20 a.m.
Development of Microsatellites for the Genus Trillium
Catherine Major, University of Memphis

DUNN HALL 123/125
Biology
9:20-9:40 a.m.
Natural Biofilms Facilitate Quagga Mussel Reattachment
Joseph McDermott, Lewis University

9:40-10:00 a.m.
Natural Pesticide Alternatives: Biofumigation
Rachel Fletcher, Xavier University
10:00-10:20 a.m.
Nickel Concentrations of the High-Ni Insect Melanotrichus boydii, a Specialist on the Ni Hyperaccumulator Plant Streptanthus polygaloides (Brassicaceae)
Jiyeong Choi, Auburn University

DUNN HALL 249 / 251
Mathematics
9:40-10:00 a.m.
Modeling Tsunami Run-Up and Draw-Down on the Beach
William Noland, North Central College

10:00-10:20 a.m.
New Families of Edge-isoperimetric Graphs
Nikola Kuzmanovski, University of Wisconsin - Superior

FOGELMAN CLASSROOM BUILDING 264
International Studies
9:20-9:40 a.m.
Syrian Refugees and the Difficulties of Seeking Asylum in Spain
Alyssa Bertoni, University of Kentucky

9:40-10:00 a.m.
The Failed Anti-corruption Policies of Enrique Peña Nieto
Pedro Izquierdo, Adelphi University

10:00-10:20 a.m.
The Question of Justice and Intercultural Encounters in the Internet Age
Deanna Johanson, Valparaiso University

FOGELMAN CLASSROOM BUILDING 265
Biology
9:20-9:40 a.m.
Risk of Gastrointestinal Bleeding Associated with the use of Anticoagulants
Eve Abraha, White Station High School, University of Memphis

Religion
9:40-10:00 a.m.
Religious Knowledge and Discrimination in Memphis High Schoolers
Eleanor Atkinson, White Station High School, University of Memphis

Social Work
10:00-10:20 a.m.
Perceptions of Food Insecurity in Memphis
Traja White, White Station High School, University of Memphis

FOGELMAN CLASSROOM BUILDING 266
Education
9:20-9:40 a.m.
High School Perceptions of College Admission Standards
Sarthak Bansal, White Station High School, University of Memphis

9:40-10:00 a.m.
Comparing Views on Procrastination between Nontraditional and Traditional Students
Nathaniel Siler, White Station High School, University of Memphis

10:00-10:20 a.m.
The Effects of Self-Efficacy and Academic Disparities on Post-Secondary Development
Rhani Stewart, White Station High School, University of Memphis

FOGELMAN CLASSROOM BUILDING 268
Nutrition
9:20-9:40 a.m.
Eating Status and SES in High School Athletes
Niharika Srivastava, White Station High School, University of Memphis

Psychology
9:40-10:00 a.m.
Possible Link between Nutrition and Aggressions Based on Socioeconomic Status
Caroline Crocker, White Station High School, University of Memphis

940-10:00 a.m.
Possible Link between Nutrition and Aggressions Based on Socioeconomic Status
Caroline Crocker, White Station High School, University of Memphis
10:00-10:20 a.m.
The Cognitive Psychology of Meat and Human-Animal Relations
Tandon Tanya, White Station High School, University of Memphis

JONES HALL 218
English
9:20-9:40 a.m.
Bad to the Bone: Subliminal Messages, Queer Coding and the Deconstruction of Gender Roles in Rope, Strangers on a Train, and All About Eve
Grace Guida, Anderson College

9:40-10:00 a.m.
Before Barbie: Representations of Doll Culture in 19th Century Children’s Literature
Dianne Wade, Southern Nazarene University

10:00-10:20 a.m.
Being the Stream: The Environmental Poetics of Gary Snyder
Emilio Taiveaho, University of Wisconsin - Eau Claire

JONES HALL 200
Education
9:40-10:00 a.m.
Intervention Embedded Assessments in a Sample of Struggling Middle School Readers
Christina Honeycutt, High Point University

10:00-10:20 a.m.
Intervention Strategies: The Influence of Therapy Dogs on the Reading Accuracy of Reluctant Readers
Samantha Rogers, Capital University

JONES HALL 212
Literature
10:00-10:20 a.m.
Looking into Death: An Evolution Through Time in England to 1800
Thanh Truong, University of Central Oklahoma

JONES HALL 214
Literature
9:20-9:40 a.m.
The Strange Case of Dr. Jekyll, Mr. Hyde, and Police Brutality
Kevynanna Rawls, University of Memphis

9:40-10:00 a.m.
The Toni Morrison Initiative
Khirsty Randles, Mount Saint Mary’s University

10:00-10:20 a.m.
Themes of the Childhood Experience in the Illustrations of Matilda and Charlotte’s Web
Ellie Erhart, Virginia Commonwealth University

JONES HALL 226
English
9:20-9:40 a.m.
Inspiration and Imitation: The Role of the Poet in the Paradox of Creation
Katelyn Risch, Carthage College

9:40-10:00 a.m.
Ishmael’s White World
Lisa Schiller, Western Carolina University

10:00-10:20 a.m.
Joseph Beuys and the Performance Art of Post-Structuralism
Emily Friesen, Houghton College

JONES HALL 237
English
9:20-9:40 a.m.
Spooky Science: Examining the Historical Psychology of Poe’s Characters
Kate Koch, Luther College

9:40-10:00 a.m.
Stitches: The Relationship Between Women and Fabrication in Short Legal Fiction
Alec Masella, Virginia Polytechnic Institute & State University
**JONES HALL 239**

**English**

9:40-10:00 a.m.

*Women of Science Fiction in the 1970s*
Matt Hamparian, Ohio State University

10:00-10:20 a.m.

*Skipping Through the Landmines: Revealing the Complex Battle for Britain’s Soul in the Early 1930s*
R. Christian Phillips, Capital University

**MANNING HALL 202**

**History**

10:00-10:20 a.m.

*The Roots and Effects of Conservatism in Central Pennsylvania*
Andrew Burlingame, Juniata College

**Recruitment and Leisure Studies**

9:40-10:00 a.m.

*The Need for Recognition of Invisible Cyclists on the Roads of Richmond, Virginia*
Elisa Rudolph, Virginia Commonwealth University

**JONES HALL 243**

**Philosophy & Ethics**

9:20-9:40 a.m.

*Compatibility of Agent-Causal Libertarian Free Will and the Principle of Sufficient Reason*
Nichole Smith, Valparaiso University

9:40-10:00 a.m.

*Re-Thinking the Dreaded Comparison*
Francesco Asano, Brooklyn College

10:00-10:20 a.m.

*Revisiting the Birds and the Bees: Towards a Philosophically and Biologically Robust Definition of Sex*
Leon Mire, Eastern Illinois University

**JONES HALL 249**

**English**

9:20-9:40 a.m.

*Sherlockian Shrines: The Place of Holmes in the 21st Century*
Victoria Rego, College of Charleston

9:40-10:00 a.m.

*Shooting Heaven, a Young-Adult Novel in Progress*
Tashanna Edwards, Eastern Connecticut State University

**MANNING HALL 222**

**History**

9:20-9:40 a.m.

*Social Justice Tactics: Activism Then and Now*
Andrew Hutchinson, University of Missouri - Columbia

9:40-10:00 a.m.

*Sparks of Inspiration: Crazy Horse’s Legacy in American Memory*
Eleanor Froschmayer, Black Hills State University
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
</table>
| 10:00-10:20 a.m. | Susan B. Anthony, Sacagawea, and Harriet Tubman: Evolving Representations of Women on American Currency
|              | Lydia Crain, University of Evansville                                    |
| 10:00-10:20 a.m. | The Katyn Massacre: Cover-up, Suppression, and the Politics of War, from an American Perspective.
|              | Joseph Grundhoefer, Hamline University                                  |
| MANNING HALL 318 | Sociology                                                                |
| 9:20-9:40 a.m.  | Does History Knowledge Influence Racial Attitudes?                      |
|              | Oscar Campbell, Hamline University                                       |
| 9:40-10:00 a.m. | Data Sharing in a Blockchain-backed Internet of Things                   |
|              | Sarah Campbell, Hamline University                                       |
| 10:00-10:20 a.m. | A Lack of Social Media and Its Effect on Technological Development, Reception, and Use |
|              | Meg Lybbert, Eastern Washington University                               |
| MANNING HALL 320 | History                                                                  |
| 9:40-10:00 a.m. | The “Trump” Card: A Comparative Framing and Content Analysis of Donald Trump’s Rhetoric on Immigration and Refugee Issues - Perspectives from Mexico, Pakistan, and Spain |
|              | John Woeltje, Fordham University                                         |
| 10:00-10:20 a.m. | ISIS and ISIL’s Weaponization of Social Media                           |
|              | Milo Rue, Ithaca College                                                  |
| MANNING HALL 413 | History                                                                  |
| 9:20-9:40 a.m.  | Socio-ecological Comparison of HIV Risk in US and South Africa           |
|              | Quinn Barnette, University of North Carolina, Charlotte                  |
| 9:40-10:00 a.m. | A Lack of Social Media and Its Effect on Technological Development, Reception, and Use |
|              | Sarah Campbell, Hamline University                                       |
| 10:00-10:20 a.m. | The Cultural Implications of Social Media on Millennials and The Slow Food Movement |
|              | Kirstie Chia, City University of New York-Brooklyn College               |
## Student Oral Session 11 - Sat 9:20am-10:20am

**MANNING HALL 426**

**Religious Studies**

9:20-9:40 a.m.

Justin’s Demonology in Late Antique and Reformation Christianity: The Polemical Rhetoric of Saint Cults
Michelle Sdao, Ohio State University

9:40-10:00 a.m.

Mormonism and the Limits of Political Neutrality
Kelsy Hillesheim, Macaulay Honors College at CUNY

**MEEMAN JOURNALISM 106**

**Political Science**

9:20-9:40 a.m.

The Problematic Structure of the Nonprofit System
Laura Baasland, Salisbury University

9:40-10:00 a.m.

Achieving Diversity in the Los Angeles Unified School District
Candace Yamanishi, Loyola Marymount University

**MEEMAN JOURNALISM 112**

**Political Science**

9:20-9:40 a.m.

Impact of Generalized Morality on Institutional Quality
Muhammed Cifci, University of Rochester

9:40-10:00 a.m.

In the Absence of Angels
Nicholas Thompson, University of West Florida

10:00-10:20 a.m.

It’s Just a Jump to the Right: The Tea Party’s Influence On Conservative Discourse
Richard Elliott, University of Maryland, Baltimore County

**MEEMAN JOURNALISM 204**

**International Studies**

9:20-9:40 a.m.

A Study of Senegalese Hospitality Through First Hand Experience
Maggie Francese, State University of New York-Geneseo

9:40-10:00 a.m.

African Agency in Policy and Project Autonomy: An Analysis of Investment Promotion Centres in Rwanda, Botswana, and Lesotho
Rara Reines, University of Georgia

10:00-10:20 a.m.

Ahlan wa Sahlan: Examining the Difficulties and Successes of Resettled Syrian Refugee Women in Lexington, Kentucky
Shelby Brown, University of Kentucky

**PSYCHOLOGY AUDITORIUM A0200**

**Experimental Psychology**

9:20-9:40 a.m.

Self Directed Anger and Other Directed Anger: Its Affect on the Use of Stereotypes
Kaleigh Snider, Westminster College

9:40-10:00 a.m.

Social Acceptability of Factors Contributing to Psychological Abuse
Bethany Wyman, Kennesaw State University

10:00-10:20 a.m.

Stress Levels of College Students Living On-campus Versus Off-campus
Olivia Caputo, Elmhurst College

**PSYCHOLOGY BUILDING 204**

**Experimental Psychology**

9:20-9:40 a.m.

The Struggle Is Real: Self-Efficacy and Anxiety in General Chemistry
Hope Ketron, The University of Virginia’s College at Wise

**Women, Gender, and Sexuality Studies**

10:00-10:20 a.m.

Beyond Labels and Boundaries: Queer Chicana Individuals and Psychological Identity Development
Minerva Zayas, Eastern Washington University
Student Oral Session 13 - Thu 1:40pm-3:40pm

PSYCHOLOGY BUILDING 206
Experimental Psychology
9:20-9:40 a.m.
The Effect of Mood Manipulation on Self-Reference Effect Recall
Wendy Myers, North Central College

9:40-10:00 a.m.
The Effects of Gender, Age, and Duration on Motivations to Exercise
Kimberly Murnetta, Dominican University of California

10:00-10:20 a.m.
The Impact of Affective Content on Memory
Rebecca Haynik, Westminster College

PSYCHOLOGY BUILDING 230
Geography & Earth Sciences
9:20-9:40 a.m.
Remediation of Impaired Water Through a Multitrophic Sustainable Food Machine
Joseph Meko, Elon University

9:40-10:00 a.m.
Reptile and Amphibian Monitoring at Sandy Bottom Preserve
Madeline McLeod, University of North Carolina - Asheville

10:00-10:20 a.m.
Spring Study and Hydrologic, Geochemical Characteristics of the Albion Basin, Alta, Utah
Nicholas Potter, University of Wisconsin - Parkside

Student Oral Session 13 - Thu 1:40pm-3:40pm

CREWS CENTER
Entrepreneurship
1:40-3:40 p.m.
Gamitization of Life 2.0
Oliver Dozier, Arkansas State University

1:40-3:40 p.m.
Motocross For Malaria
Esias Bedingar, University of Kentucky

1:40-3:40 p.m.
Our Town Squared
Aaron Scherf, Mercer University
**Student Poster Session 1 - Thu 11:00am-12:00pm**

**AFRICAN AMERICAN STUDIES**
**University Center Ballroom - Kiosk 1 Side A**
Institutional Racism Within Educational Systems
Cherish Harper, Penn State University

**University Center Ballroom - Kiosk 1 Side B**
Racialized Violence in the U.S.
Janelle Kelly, Penn State University

**BIOCHEMISTRY**
**University Center Ballroom - Kiosk 5 Side B**
AliReza Zaravar, Rhodes College

**University Center Ballroom - Kiosk 5 Side C**
Crystallization Chip for High-Throughput
Jacqueline Denver, Iona College

**ANTHROPOLOGY**
**University Center Ballroom - Kiosk 2 Side A**
Breastfeeding Attitudes and Experiences in the Memphis, TN Community
Anna Church, University of Memphis

**University Center Ballroom - Kiosk 2 Side B**
Taphonomic and Geological Approaches to the Identification of in Situ Versus Ex Situ Archaeological Material: A Case Study from BK East, Bed II, Olduvai Gorge
Elizabeth Wilson, University of North Carolina at Greensboro

**ASTRONOMY**
**University Center Ballroom - Kiosk 3 Side B**
Examination of Variability in BD+17°4708
Jesse McGaha, Austin PEAY State University

**BEHAVIORAL NEUROSCIENCE**
**University Center Ballroom - Kiosk 3 Side C**
A Higher Contrast Requirement for Letter Recognition in Glaucoma
Lillian Chien, University of Alabama at Birmingham

**University Center Ballroom - Kiosk 4 Side A**
Cocaine Choice: Dissociating Preference from Intake
Sai Charaan Yalla, University of Kentucky

**University Center Ballroom - Kiosk 4 Side B**
Genetics of Co-regulation of Iron, Copper, and Zinc in Mouse Brain
Paola Jimenez, University of Memphis

**University Center Ballroom - Kiosk 4 Side C**
Marijuana and Anxiety in Rodents: A Study of the Relationship Between Baseline Anxiety and Drug-induced Anxiety in a Rodent Model
Ashlyn Brown, Westminster College

**University Center Ballroom - Kiosk 5 Side A**
The Effects of Arachidonyl Serotonin on Anxiety-like Behavior and Decision-making
Andrew Starnes, University of Memphis

**University Center Ballroom - Kiosk 6 Side A**
Expression, Purification, and Crystallization of AS2
Anthony Kwan, Radford University

**University Center Ballroom - Kiosk 6 Side B**
Interactions of the Fragile X Mental Retardation Protein with BACE1 mRNA and MiR-124-3p
Paul Zakutansky, Duquesne University

**University Center Ballroom - Kiosk 6 Side C**
Protein Engineering to Efficiently Degrade Carbohydrates for Biofuel Production
Alberto Rondon, University of Kentucky

**University Center Ballroom - Kiosk 7 Side A**
Structural Studies of S100-RAGE Complexes
Marshae Lashley, Fisk University

**University Center Ballroom - Kiosk 7 Side B**
Thickness Determination of Droplet Interface Bilayers
Michael McGlone, Iona College
Student Poster Session 1 - Thu 11:00am-12:00pm

**BIOLOGY**

**University Center Ballroom - Kiosk 8 Side A**  
*A Histological Comparison of Ear Skin Regeneration in Acomys and Mus*  
Aaron Sandoval, University of Florida

**University Center Ballroom - Kiosk 8 Side B**  
*An Investigation of Odd-skipped Genes in C. elegans*  
Elizabeth Del Buono, Eastern Connecticut State University

**University Center Ballroom - Kiosk 8 Side C**  
*Assessment of Aluminum Tolerance in Salix Spp. for Biomass Production and Reclamation of Disturbed Lands*  
Daniel Wolodkin, West Virginia University

**University Center Ballroom - Kiosk 9 Side A**  
*Bioproduction of Peanut Stilbenoids: Bioactive Compounds for Human Health*  
Carson Day, Arkansas State University

**University Center Ballroom - Kiosk 9 Side B**  
*Cochlear Nerve Myelination in Mice Lacking Thyroid Hormone Transporters*  
Natalie Moses, Minnesota State University, Mankato

**University Center Ballroom - Kiosk 9 Side C**  
*Defining Germination Tolerance Ranges for Three Milkweeds (Asclepias spp)*  
Victoria Lason, Augustana College

**University Center Ballroom - Kiosk 10 Side A**  
*Effect of Removing Kudzu on Abundance and Diversity of Soil Bacteria*  
Natalie Helbling, Georgia College and State University

**University Center Ballroom - Kiosk 10 Side B**  
*Environmental Effects on Algal Biodiversity and Biomass on Intertidal Rocky Shores.*  
Alec Schwartz, St. John’s University

**University Center Ballroom - Kiosk 10 Side C**  
*Feeding Ecology of Barn Owls (Tyto alba; Scopoli, 1769) in Central Pennsylvania*  
Samantha Loh, Susquehanna University

**University Center Ballroom - Kiosk 11 Side A**  
*Genome-wide Association Study to Examine Insulin Resistance in a Drosophila Model*  
Jelena Merseli, University of Evansville

**University Center Ballroom - Kiosk 11 Side B**  
*Identification of Novel Cardiogenic Regulators*  
Kennedy Camden, Indiana State University

**University Center Ballroom - Kiosk 11 Side C**  
*Keratin Attenuates Melanoma Cancer Cell Proliferation*  
BreAnna Davids, Western Carolina University

**University Center Ballroom - Kiosk 12 Side A**  
*Pacific Green Sea Turtle (Chelonia mydas) Reaction to Human Involvement in the Galapagos Islands*  
Rachel Kueppers, College of Saint Benedict/ St. John’s University

**University Center Ballroom - Kiosk 12 Side B**  
*Stress, Sprint Speed, and Respiration in Coast Range Fence Lizards (Sceloporus occidentalis bocourtii)*  
Amanda Dukes, St Mary’s College of California

**University Center Ballroom - Kiosk 13 Side A**  
*Protein Coding Gene Sequences in Molecular Phylogeny*  
Catheryne Gambill, Longwood University

**University Center Ballroom - Kiosk 13 Side B**  
*Bioproduction of Peanut Stilbenoids: Bioactive Compounds for Human Health*  
Scott Janis, University of Wisconsin - Whitewater

**University Center Ballroom - Kiosk 14 Side B**  
*Using Scanning Electron Microscopy and Atomic Force Microscopy to Observe LEA Protein Function*  
Scott Janis, University of Wisconsin - Whitewater
**Student Poster Session 1 - Thu 11:00am-12:00pm**

**BIOMEDICAL ENGINEERING**

*University Center Ballroom - Kiosk 14 Side C*

Development of Inorganic Brain Model for Electrochemical Characterization of Microelectrodes
Saheer Aqeel, University of Texas at Dallas

*University Center Ballroom - Kiosk 15 Side B*

The Variability of Cortical Bone Stiffness Along the Femur Shaft
Jack Nguyen, Winthrop University

**BUSINESS/FINANCE/ACCOUNTING**

*University Center Ballroom - Kiosk 19 Side B*

Fraud Auditing in the Era of Big Data
Katherine Korol, Elon University

**CELL & MOLECULAR BIOLOGY**

*University Center Ballroom - Kiosk 19 Side C*

A Knockout Mutation in the Yeast DUF1 Gene Increases Oxidative Stress Survival
Samantha Allen, Salisbury University

*University Center Ballroom - Kiosk 20 Side A*

Determining the Method of Human Pathogenic Tau Spread
Rachel Furhang, City University of New York- College of Staten Island

*University Center Ballroom - Kiosk 21 Side A*

GBF1 Localizes to Plasma Membrane Sites Involved in Adhesion and Motility in Neurons and Glioblastoma Cells
Akhil Kaushik, University of Alabama at Birmingham

*University Center Ballroom - Kiosk 22 Side A*

Impact of the Human Lung Mucosa in Mycobacterium Tuberculosis Infection
Holden Kelley, Ohio State University

*University Center Ballroom - Kiosk 23 Side A*

Optimization of Tripartite Motif E3-Ubiquitin Ligase Protein Expression and Isolation in Mammalian Cells
Ilesh Patel, Ohio State University

**CHEMICAL ENGINEERING**

*University Center Ballroom - Kiosk 24 Side A*

Structural and Functional Insight into Cyclic Nucleotide Gated Channel Selectivity
George Zeng, University of Texas at Austin

*University Center Ballroom - Kiosk 25 Side A*

Upregulating CD155 to Enhance Oncolytic Poliovirotherapy on Glioblastoma
Sadaf Kolia, Virginia Commonwealth University

**CHEMISTRY**

*University Center Ballroom - Kiosk 26 Side A*

“Re-evaluating IBU Formulas for Calculating Beer Bitterness”
Garrett Williams, Appalachian State University

*University Center Ballroom - Kiosk 27 Side A*

N-acetyl-L-cysteine Mitigates Lewy-like Pathology in Experimental Parkinson’s Disease in Vivo and in Vitro
Kristin Miner, Duquesne University

**CELLULAR NEUROSCIENCE**

*University Center Ballroom - Kiosk 28 Side A*

Effect of Reactive Oxygen Species Generators on MitoNEET Expression in Astrocytes and Brain Endothelial Cells
Patricia Doyle, West Virginia University

*University Center Ballroom - Kiosk 29 Side A*

GBF1 Localizes to Plasma Membrane Sites Involved in Adhesion and Motility in Neurons and Glioblastoma Cells
Akhil Kaushik, University of Alabama at Birmingham

**COMPUTATIONAL BIOLOGY**

*University Center Ballroom - Kiosk 30 Side A*

Computational Tools for Drug Design
Julia Lin, Lamar University

**ENVIRONMENTAL SCIENCE**

*University Center Ballroom - Kiosk 31 Side A*

Analysis of Rotational Barriers of a Secondary Hydroxamic Acid in Aqueous Solution by NMR Spectroscopy
Caleb Griesbach, University of Wisconsin - La Crosse

*University Center Ballroom - Kiosk 32 Side B*

Evaluating Copper Photoredox Catalysis Through Coupling of Aldehydes and Alkyl Bromides
Hannah Owens, Black Hills State University
University Center Ballroom - Kiosk 24 Side B
Identification of Adsorption Sites for Nucleobases on Clay Mineral Surfaces
Hannah Kats, North Central College

University Center Ballroom - Kiosk 25 Side B
Molecular Modeling and Docking Studies of Small Molecules Targeting Interleukin-1 Converting Enzyme
Jihyun Lee, George Mason University

University Center Ballroom - Kiosk 26 Side B
Polyphenolic Compounds from Hypericum Punctatum Leaves
Ayana Smith, Susquehanna University

University Center Ballroom - Kiosk 27 Side B
Selective Benzylic C-H Monooxidation Mediated by Iodine Oxides
Kelsey LaMartina, North Central College

University Center Ballroom - Kiosk 29 Side B
Synthesis of Iridium Coordination Complex and Metal-organic Framework via Microwave Irradiation
Samantha Klietz, State University of New York-Brockport

University Center Ballroom - Kiosk 30 Side B
The Intersection of Chemistry and Archeology: Analysis of Fatty Acid Residue Extracted from Early Bronze Age Pottery Found at Khirbat Iskandar, Jordan
Hannah Harbin, Lubbock Christian University

University Center Ballroom - Kiosk 31 Side B
Using Novel Flavonoid Derivatives as Tau Self-Aggregation Inhibitors for the Treatment of Alzheimer’s Disease
Sarah Martin, Georgia College and State University

CIVIL ENGINEERING
University Center Ballroom - Kiosk 17 Side C
Remote Sensing Approach to Upstream Slope Inspection
Travis Shoemaker, Lafayette College

CLINICAL PSYCHOLOGY
University Center Ballroom - Kiosk 32 Side B
Predicting Attachment to God in Victims of Trauma: A Take on Narrative Complexity
Hazel Brooks, Southern Nazarene University

University Center Ballroom - Kiosk 33 Side B
Complexity of Treatment Access Among Women Drug Treatment Court Participants with HIV or Hepatitis C Virus According to the Socio-Ecological Model
Meghan Connor, University of Rochester

University Center Ballroom - Kiosk 35 Side A
Far from Normal: How a Live, Theatrical Performance Affects Audience Attitudes Towards Mental Illness
Jesus Martinez, North Central College

University Center Ballroom - Kiosk 36 Side A
Misleading Information in Social Media News: How Bias Effects Perceptions
Amber Jackson, Dominican University of California

University Center Ballroom - Kiosk 37 Side A
Relationship Between Illness Invalidation and Symptom Severity in Individuals with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome and Fibromyalgia
Rebecca Massey, University of Alabama at Birmingham

University Center Ballroom - Kiosk 38 Side A
The Need for Psychologists in the Field of First Responders in Response to Nuclear Disasters
Elizabeth Barrett, University of West Florida

COGNITIVE NEUROSCIENCE
University Center Ballroom - Kiosk 36 Side B
Alice in Wonderland Syndrome in Patients with Brain Lesions and CSF Shunting
Joel Greenup, Florida International University

University Center Ballroom - Kiosk 37 Side B
Neural Correlates of Spatial Navigation Ability Development
Sanaya Irani, Wayne State University
COMMUNICATIONS

University Center Ballroom - Kiosk 38 Side B
“She Made Angry Black Woman Something That People Would Want to Be”: Examining Identity Expression and Interpretation Through “Lemonade”
Ashton Toone, University of Memphis

University Center Ballroom - Kiosk 39 Side B
Intergenerational Communication Effectiveness Training in a Preschool Classroom
Mallory Schroeder, University of Wisconsin - Whitewater

University Center Ballroom - Kiosk 40 Side B
The Difference in Perception of Job Discrimination Amongst Muslims, Individuals Perceived to Be Muslim, and Non-Muslims
Matthew Odom, George Mason University

ECONOMICS

University Center Ballroom - Kiosk 39 Side A
A Long Run Economic Analysis of NHL Expansion
Christopher Watkins, Eastern Washington University

University Center Ballroom - Kiosk 61 Side A
Economic Growth Within the Andean Community
Madison Davis-Biessener, Augsburg College

EDUCATION

University Center Ballroom - Kiosk 41 Side B
An Exploration of Students’ Base-Ten Concepts
Emily Hawthorne, Salisbury University

University Center Ballroom - Kiosk 42 Side B
Drawing and Young Children’s Learning
June Chong, University of Central Oklahoma

University Center Ballroom - Kiosk 43 Side C
Is Sperm Extrusion a Mechanism of Post-copulatory Female Choice in the Red Flour Beetle?
Jenai Bostic, Spelman College

University Center Ballroom - Kiosk 44 Side A
The Effect of Wind Speed on Tree Swallow Breeding Success
Rachelle Ketelhohn, University of Wisconsin - Milwaukee

COMPUTER SCIENCE

University Center Ballroom - Kiosk 36 Side C
Computing an Algorithm to Detect Three Dimensional Objects in Space
Ken Ryumae, Western Kentucky University

University Center Ballroom - Kiosk 38 Side C
Implications of Telemedical Technology Use on Rural Healthcare Delivery and Management
Janna Madden, University of Minnesota, Duluth

University Center Ballroom - Kiosk 39 Side C
Reconstruction With Flags
Christiana Straub, Susquehanna University

ECOLOGY & ORGANISMAL BIOLOGY

University Center Ballroom - Kiosk 41 Side C
Age Determination of Voles (Microtus spp, Schrank, 1798) Based on Wear of the Occlusal Surfaces on Individual Molars Consumed by Barn Owls (Tyto alba, Scopoli, 1769)
Laura Spence, Susquehanna University

University Center Ballroom - Kiosk 42 Side C
Effects of Ethynylestradiol on Carotenoid Allocation
Gregory Milburn, University of Kentucky

University Center Ballroom - Kiosk 43 Side C
Is Sperm Extrusion a Mechanism of Post-copulatory Female Choice in the Red Flour Beetle?
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University Center Ballroom - Kiosk 44 Side A
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Drawing and Young Children’s Learning
June Chong, University of Central Oklahoma

University Center Ballroom - Kiosk 43 Side B
Literacy in Museum Experience (Milwaukee)
Robert Mikenis, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 44 Side C
Technology in Elementary Education
Emily LaVergne, Bridgewater State University

ELECTRICAL ENGINEERING

University Center Ballroom - Kiosk 18 Side B
Overhead Assistive Robot
Nicholas Neal, Western Carolina University
Student Poster Session 1 - Thu 11:00am-12:00pm

ENGINEERING/ENGINEERING TECHNOLOGY
University Center Ballroom - Kiosk 16 Side B
A New Generation of Maze for a Drosophila Olfactory Memory Assay
Alyssa Risner, Coastal Carolina University

University Center Ballroom - Kiosk 16 Side C
Mechanisms of Cell Recruitment in Scaffolds Using in Vitro Models
Kevin Wu, Drexel University

ENGLISH
University Center Ballroom - Kiosk 42 Side A
Double Consciousness Beyond DuBois
Jordan Kern, Elmhurst College

ENVIRONMENTAL STUDIES & SCIENCES
University Center Ballroom - Kiosk 43 Side A
Detection and Avoidance of Right Whales Along the Northeast Coast of the United States
Ainsley Fruhwirth, United States Coast Guard Academy

EXPERIMENTAL PSYCHOLOGY
University Center Ballroom - Kiosk 44 Side B
Cell Phone Use Latency in a Midwestern University Area Population
Dora Juhasz, University of Michigan

University Center Ballroom - Kiosk 45 Side B
Can a Humane Education After School Program Increase Empathy and Self Esteem?
Angelica Huettl, Dominican University of California

University Center Ballroom - Kiosk 46 Side B
Cultural Differences in the Preference of a Photograph
Ernest Garcia, Dominican University of California

University Center Ballroom - Kiosk 47 Side B
Effectiveness of Lumosity Vs Well-known Memory Techniques on Memory Tasks and Perceptions
Rebecca Osborn, Minnesota State University, Mankato

University Center Ballroom - Kiosk 48 Side B
Hiring Practices
Riley Wyatt, University of Central Oklahoma

University Center Ballroom - Kiosk 50 Side B
Paws and Effect: A Quasi-Experimental Examination of Pet Influence on Friendship and Workplace Attitudes
Madeline Kuklo, Webster University

University Center Ballroom - Kiosk 51 Side B
Recurrent Testing Decreases Retroactive Interference in Multiple Text Comprehension
Katy Higgins, University of Memphis

University Center Ballroom - Kiosk 52 Side B
The Attitude Similarity Attraction Effect Is Moderated by Attitude Strength
Michael White, Elmhurst College

University Center Ballroom - Kiosk 53 Side B
The Interactive Influence of Interest Level and Difficulty Perceptions on Job Training Outcomes
Alanna Roesler, University of Wisconsin - La Crosse

GEOGRAPHY & EARTH SCIENCES
University Center Ballroom - Kiosk 45 Side A
Determination of Elemental Arsenic and Leachable Arsenic in Aquifer Sediment Samples of Bangladesh
TABASSUM AHMED, City University of New York- York College

University Center Ballroom - Kiosk 46 Side A
Central Appalachian Surface Mines: Paradise Lost or an Overlooked Hotspot for Green Salamanders?
Michael Hinkle, The University of Virginia’s College at Wise

University Center Ballroom - Kiosk 47 Side A
Discrimination of Oats and Spring Wheat Using Hyperspectral Remote Sensing
Allison Kaiser, University of Wisconsin - Whitewater

University Center Ballroom - Kiosk 48 Side A
Heavy Metals in Bio-infiltration Swales in Spokane, WA
Christa Murphy, Eastern Washington University

University Center Ballroom - Kiosk 49 Side A
Nano Structures for Solar Light-Mediated Hydrogen Production
Samuel King, Arkansas State University
Student Poster Session 1 - Thu 11:00am-12:00pm

**INDUSTRIAL/SYSTEMS ENGINEERING**
University Center Ballroom - Kiosk 17 Side B
Optimizing Throughput for a Wireless Network with Directional Antennas Subject to Signal Jamming
William Leonard, Mississippi State University

**INTERNATIONAL STUDIES**
University Center Ballroom - Kiosk 62 Side A
Closing the Gender Gap: The Role of Migrant Women in Senegal
Anna Bachan, New York University

**KINESIOLOGY & EXERCISE SCIENCE**
University Center Ballroom - Kiosk 59 Side A
Switching Is Not Easy! Neuromuscular Changes During Running Preceded by a Bout of Cycling in Triathletes
Kimberly Ross, University of Wisconsin - La Crosse

**LINGUISTICS**
University Center Ballroom - Kiosk 62 Side B
A Study on Back Vowel Merger in New York City English
Steve Arriaga, City University of New York- College of Staten Island

**MANAGEMENT**
University Center Ballroom - Kiosk 15 Side C
Student Preparation Based Upon Major: What Influences Their Satisfaction?
Khadedra Hylton, Clark Atlanta University

**MATHEMATICS**
University Center Ballroom - Kiosk 56 Side A
Determining Factors for Elderly Independent Living
Emily Kelting, University of Central Oklahoma

**HEALTH SCIENCES**
University Center Ballroom - Kiosk 40 Side A
The Relationship Between Chronic Life Stress and the Development of Internalizing Disorders
Megan Kibler, University of Rochester

University Center Ballroom - Kiosk 55 Side A
Under the Influence: The Impact of Pharmacy Services on Opioid Prescribing in Dental Practice
Kelsey Zborovancik, Duquesne University

University Center Ballroom - Kiosk 59 Side B
Are College Students Playing Hard So That They Can Drink Harder?
Sarah Wyand, Miami University

University Center Ballroom - Kiosk 60 Side B
Effects of Phencyclidine on Loco-motor Activity
Olakorede Akintelure, Creighton University

University Center Ballroom - Kiosk 61 Side B
Impacts of Environmental and Management Factors on the Nutritional Quality of Mint, Spinach, Tomatoes, Basil and Pak Choi and Correlation with the Functional Quality of Chinese Medicinal Herbs
Debra Kraner, Montana State University Bozeman

**HISTORY**
University Center Ballroom - Kiosk 40 Side C
Brains Behind Broadcasted Behavior: The Science of British WWII Homefront Propaganda
Abigail Schrader, Creighton University
MECHANICAL ENGINEERING
University Center Ballroom - Kiosk 52 Side A
Analysis of Propulsion Systems in Unmanned Electrical Multirotor Aerial Vehicles with VTOL Characteristic and Fixed Pitch Actuators
Hector Mendes, University of Minnesota, Duluth

University Center Ballroom - Kiosk 54 Side A
Large Deflection Non-linear Coefficients of a Free Vibrating Laminated Composite Shallow Shell Panel
Kyle Gordon, Midwestern State University

MICROBIOLOGY & IMMUNOLOGY
University Center Ballroom - Kiosk 19 Side A
Chorioallantoic Model for Studying Non-invasive Bladder and Renal Cancer Treatment
Xin (Sandy) Xu, University of Alberta

University Center Ballroom - Kiosk 32 Side A
Antimicrobial Properties of Novel Silver(I) Cyanoximates
Erin Gallaway, Oklahoma State University

University Center Ballroom - Kiosk 33 Side A
Gastrointestinal Microbiota’s Connection to Autism
Cara Horstman, Trinity Christian College

MUSIC
University Center Ballroom - Kiosk 1 Side C
A Balanced Eastern & Western Music Is the Key to Modern Music Development
Zishan Ming, University of the Pacific

PHYSICS
University Center Ballroom - Kiosk 31 Side C
Energy and Time Dependence of the Photo-Response of Arsenic Sulphide Thin Films
Josh Allen, Austin PEAY State University

University Center Ballroom - Kiosk 32 Side C
Change in Optical Band Gap on Anatase TiO2 Nanoparticles Layer-by-layer Assembly
Joshua Preston, University of West Georgia

NURSING
University Center Ballroom - Kiosk 54 Side B
The Relationship Between Diabetes Duration and Glycemic Control Among Patients with Multiple Chronic Diseases
Taylor Giambrone, University of Pittsburgh School of Nursing

University Center Ballroom - Kiosk 55 Side B
Correlates of Cognitively Impaired Older Adults’ Willingness to Participate in Clinical Research
Mengchi Li, University of Pittsburgh School of Nursing

University Center Ballroom - Kiosk 58 Side B
Recruitment of OEF/OIF Veterans: Barriers and Feasibility in a Mobile Application Study
Rebecca Morris, University of Pittsburgh School of Nursing

NUTRITION
University Center Ballroom - Kiosk 34 Side A
Mechanisms Mediating Effects of Eicosapentaenoic Acid in Hepatic Steatosis in High Fat Fed Mice and in HepG2 Hepatoma Cells
Samantha Gonzalez, Texas Tech University

University Center Ballroom - Kiosk 34 Side B
Gluttony in the Modern World
Samantha Lew, Appalachian State University

PHILOSOPHY & ETHICS
University Center Ballroom - Kiosk 35 Side B
A Critique of Convergent Realism and a Pragmatic Approach to Scientific Inquiry
Monika Greco, University of Wisconsin - Oshkosh

PHYSICS
University Center Ballroom - Kiosk 31 Side C
Energy and Time Dependence of the Photo-Response of Arsenic Sulphide Thin Films
Josh Allen, Austin PEAY State University

University Center Ballroom - Kiosk 32 Side C
Change in Optical Band Gap on Anatase TiO2 Nanoparticles Layer-by-layer Assembly
Joshua Preston, University of West Georgia

University Center Ballroom - Kiosk 33 Side C
Evaluation and Development of Secondary BalloonSAT Payloads
Justin Barnes, Arkansas State University

University Center Ballroom - Kiosk 34 Side C
Measuring Refractive Index of Infrared Materials with Interferometry
Sze Wah Lee, University of Rochester
Student Poster Session 1 - Thu 11:00am-12:00pm

**PHYSIOLOGY**
University Center Ballroom - Kiosk 31 Side A
Internal Laboratory Validation of Brachial and Femoral Artery Diameters During Flow Mediated Dilation
Brycen Ratcliffe, Indiana State University

**POLITICAL SCIENCE**
University Center Ballroom - Kiosk 29 Side A
Message Matters: How Kellyanne Conway Redirected the Focus of Donald Trump’s Twitter Account
Molly Grant, University of Michigan

**PUBLIC HEALTH**
University Center Ballroom - Kiosk 28 Side C
Exploring the Relationship Between Body Image and Alcohol Consumption Among Sorority Members and Non-members
Antonia Caba, Miami University

**SOCIAL WORK**
University Center Ballroom - Kiosk 26 Side C
Medical Provider’s Perception of ESRD Patients
Taylor Henry, George Mason University

**SOCIOLOGY**
University Center Ballroom - Kiosk 3 Side A
Graduation in an Era of Uncertainty: Student Loan Repayment Following the Great Recession
Hannah Kleman, Ohio State University

**WOMEN, GENDER, AND SEXUALITY STUDIES**
University Center Ballroom - Kiosk 24 Side C
The “Smart” Drug: A Qualitative Study of Perceived Effects of the Stimulant Adderall® and User Patterns Associated with Its Nonmedical Use
Pearl Gronquist, University of Wisconsin - Stout

University Center Ballroom - Kiosk 20 Side C
Bisexuality in Mass Media and Its Effects on Bisexual Individuals
Clare Yordy, George Mason University

University Center Ballroom - Kiosk 30 Side A
The Presidency and Entrepreneurship: Discovering New International Trade Policies for the 21st Century
Wesley Hungbui, Rice University

University Center Ballroom - Kiosk 30 Side C
Sexual Assault Victimization Among Varied Personality Traits
Nick Vanderhoof, Miami University

University Center Ballroom - Kiosk 22 Side C
Are There Too Many Fish in the Sea? Too Many Options with Online Dating Lead to Less Commitment
Monica Fink, Dominican University of California
Student Poster Session 2 - Thu 12:20pm-1:20pm

BIOCHEMISTRY
University Center Ballroom - Kiosk 5 Side B
Biochemical Characterization of DNA Polymerase in Cryptococcus Neoformans
ReLiza McGinnis, Western Carolina University

University Center Ballroom - Kiosk 5 Side C
Determination of Biomarkers for Autoimmune Diseases In DNA Replication and Repair and Galectin-3 Enzymes
Elena Hunsanger, Wayne State University

University Center Ballroom - Kiosk 6 Side A
Extension of RBC Longevity and Functionality in the Prevention of Graft Versus Host Disease
Shanmuka Gadiraju, Virginia Commonwealth University

University Center Ballroom - Kiosk 6 Side C
Purification and Preliminary Characterization of the R178C ITPase Mutant
Caitlin April, Eastern Washington University

BIOLOGICAL ENGINEERING
University Center Ballroom - Kiosk 7 Side B
Type 2 Transglutaminase Conformational Activity and Cancer Stem Cell Survival
Bailey Nance, University of Maryland, Baltimore County

University Center Ballroom - Kiosk 7 Side C
Electrospinning of Pectin-based Nanofibers for Biological and Medical Applications
Romare Antrobus, Lawrence University

BIOLOGY
University Center Ballroom - Kiosk 8 Side A
A Long-Term Study of Cortisol as a Biomarker for Chronic Stressors in Bond Volunteer Aspirants
George Graham, The Citadel

University Center Ballroom - Kiosk 8 Side B
Analysis of Active Antimicrobial Compounds Found in the Tongan Medicinal Plant Syzygium Corynophyllum
Nicholas England, The University of Virginia’s College at Wise

ARCHITECTURE & INTERIOR DESIGN
University Center Ballroom - Kiosk 2 Side C
Digital Architects
Julianna Theriault, Rhodes College

ART HISTORY
University Center Ballroom - Kiosk 1 Side A
Early Christian Art & Theological Aesthetics
Alyssa Whiting, Utah Valley University

ASTRONOMY
University Center Ballroom - Kiosk 3 Side B
Finding New Galactic Interstellar Neutral Hydrogen Shells
Rebecca Taylor, University of Wisconsin - La Crosse

BEHAVIORAL NEUROSCIENCE
University Center Ballroom - Kiosk 3 Side C
Affects of Prenatal Food Deprivation on Offspring Microglial Morphology
Elizabeth Jones, Susquehanna University

University Center Ballroom - Kiosk 4 Side A
Constructing a Chronic Neural Ensemble Recording System
Thomas Geiser, University of Wisconsin - Whitewater

University Center Ballroom - Kiosk 4 Side C
Methylphenidate Exposure in Late Adolescent Mice Leads to Adult Cross-sensitization
Savannah Moore, University of North Georgia

University Center Ballroom - Kiosk 5 Side A
The Effects of Expectancy on Physiological Arousal and Cognitive Performance Under Blue-Enriched Lighting Conditions
Stephen Guion, George Mason University

THE UNIVERSITY OF MEMPHIS
### Student Poster Session 2 - Thu 12:20pm-1:20pm

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<thead>
<tr>
<th>University Center Ballroom - Kiosk 9 Side A</th>
<th>University Center Ballroom - Kiosk 12 Side A</th>
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<tbody>
<tr>
<td>Can Your Mom Stress You Out Before You’re Born? Alycia Summers, Ithaca College</td>
<td>Localization of Tps1 and Tps2 Proteins in the Pathogenic Yeast, Cryptococcus neoformans Erin Cafferty, Western Carolina University</td>
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<td>Comparative Analysis of D. longicaudata entomopoxvirus Early Transcription Factor Genes Sets DIEPV Apart Within the Entomopoxvirinae. Jennifer Wilcox, Eastern Washington University</td>
<td>Mineralization and Structural Anatomy of Bone from Male C57/BL6 Mice with Reduced Testosterone Levels Katie Rubitschung, Minnesota State University, Mankato</td>
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<td>Development of Quantum Dots as Single Molecular PH Sensors in B Cells Nikhil Yedulla, Wayne State University</td>
<td>Survey of Ants (Hymenoptera, Formicidae) at Two Elevations in the Northern Black Hills in South Dakota Jessie Clark, Black Hills State University</td>
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<td>Effective Cleaning Methods of Woodwind Reeds by Chemical Cleaners and UV Light Josh Baty, University of Evansville</td>
<td>The Effect of Stratification on Seed Bombs of 5 Species of Native Plants Kirsten Schmidt, University of Wisconsin - River Falls</td>
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<tr>
<th>University Center Ballroom - Kiosk 10 Side B</th>
<th>University Center Ballroom - Kiosk 14 Side B</th>
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<tbody>
<tr>
<td>Environmental Toxins and Attention Deficit Hyperactivity Disorder: Investigating the Link Between Phthalates and Hyperactive Behavior in Zebrafish Emma Davidman, Elon University</td>
<td>Variation in Milkweed Tolerance Against Herbivory Jacqueline Nuzzo, St Olaf College - Admissions</td>
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<tr>
<th>University Center Ballroom - Kiosk 10 Side C</th>
<th>University Center Ballroom - Kiosk 11 Side A</th>
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<tbody>
<tr>
<td>Fine Scale Genetic Structure Study of Small and Large Populations of Symphyotrichum georgianum (Georgia Aster) William Mills, The Citadel</td>
<td>Genomic Analysis of 12 Novel Phage Infecting the Bacterial Host Species, Corynebacterium Aleksandra Foksinska, University of Alabama at Birmingham</td>
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</tbody>
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<th>University Center Ballroom - Kiosk 11 Side A</th>
<th>University Center Ballroom - Kiosk 15 Side A</th>
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<tbody>
<tr>
<td>Identifying Mechanisms Involved in Neuronal Hyperactivity in Drosophila Erin Darr, Truman State University</td>
<td>Optimization of Gelatin/Alginate Hydrogel for 3D Bioprinting Human iPS Cells Adam Kolling, Concordia College - Moorhead</td>
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<tr>
<th>University Center Ballroom - Kiosk 11 Side B</th>
<th>University Center Ballroom - Kiosk 19 Side A</th>
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<tr>
<td>Investigating the Effect of Severe Drought on Parasite Prevalence and Diversity Joshua Sassi, Norwich University</td>
<td>Behavioral Effects of Compensation Contracts AnnMarie Huet, Iowa State University</td>
</tr>
</tbody>
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| University Center Ballroom - Kiosk 11 Side C | |
|--------------------------------------------| |
### Student Poster Session 2 - Thu 12:20pm-1:20pm

<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 19 Side B</th>
<th>University Center Ballroom - Kiosk 21 Side B</th>
</tr>
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<tbody>
<tr>
<td><strong>Fundraising Strategies to Promote More Profitable Organizational Fundraisers</strong>&lt;br&gt;Sarai Bauguess, Kennesaw State University</td>
<td><strong>Analysis of Trichloroethylene in Water</strong>&lt;br&gt;Elizabeth Withers, Salisbury University</td>
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<td>University Center Ballroom - Kiosk 22 Side B</td>
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<td><strong>Development of a Thermoelectric Cooling Prototype</strong>&lt;br&gt;Thomas Coull, University of Wisconsin - Whitewater</td>
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<td><strong>Evaluation of Crown Ether for Extraction of Inorganic Gunshot Residue and Analysis Via Electrospray Ionization Tandem Mass Spectrometry (QqQ)</strong>&lt;br&gt;Sydney Brooks, West Virginia University</td>
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<td><strong>Identifying Adulterated Aromatherapy Products by Chiral GC-MS Analysis</strong>&lt;br&gt;MaKenna Johnosn, Utah Valley University</td>
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<td><strong>Molecular Modeling Studies to Elucidate the Effect of Isomerization on Disperse Dye Photodegradation</strong>&lt;br&gt;Ciera Cipriani, North Carolina State University</td>
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<td><strong>Polyproline Folding: Effect of Chain Length and Interactions</strong>&lt;br&gt;Amanda Miller, Moravian College</td>
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<td>University Center Ballroom - Kiosk 27 Side B</td>
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<td><strong>Simple, Robust Modification of Biginelli Compounds</strong>&lt;br&gt;Nozomi Arai, Arkansas State University</td>
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<td>University Center Ballroom - Kiosk 28 Side B</td>
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<td><strong>Synthesis and Antibacterial Studies of Pyrazole-derived Alkenes</strong>&lt;br&gt;Devin Allison, Arkansas State University</td>
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<td>University Center Ballroom - Kiosk 29 Side B</td>
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<tr>
<td><strong>The New Fossil Fuels</strong>&lt;br&gt;Desiree Caceres, Dominican University of California</td>
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</tbody>
</table>
**Student Poster Session 2 - Thu 12:20pm-1:20pm**

**UNIVERSITY CENTER BALLROOM - KIOSK 31 SIDE B**
**Using QSARINS to Predict the Bacteriostatic Effect of Antimicrobial Compound Candidates Against Foodborne Pathogens**
Hunter Gill, Indiana State University

**UNIVERSITY CENTER BALLROOM - KIOSK 32 SIDE B**
1. **The Effects of a Creative Arts Outreach Program on Behaviors of Psychiatric Adolescent Inpatients**
Bailee Kulish, Black Hills State University

**UNIVERSITY CENTER BALLROOM - KIOSK 33 SIDE B**
**Concurrent Validity of the PICCOLO and KIPS Scales**
Nicole Jordan, Slippery Rock University of Pennsylvania

**UNIVERSITY CENTER BALLROOM - KIOSK 34 SIDE A**
**Future-directed Positive Journaling and Subjective Well-being**
Katrina Holt, University of Memphis Lambuth

**UNIVERSITY CENTER BALLROOM - KIOSK 36 SIDE A**
**Modifying Attentional Bias via TDCS: A Randomized, Controlled Trial**
Kalen Koch, Elon University

**UNIVERSITY CENTER BALLROOM - KIOSK 37 SIDE A**
**Reliability of a Lab-Based Measure of Response Inhibition in Youth with Williams Syndrome**
Amanda Miller, University of Wisconsin - Milwaukee

**UNIVERSITY CENTER BALLROOM - KIOSK 38 SIDE A**
**Thought Suppression, Negative Affect, and Worry**
Marisa LaBrecque-Grenier, Eastern Connecticut State University

**UNIVERSITY CENTER BALLROOM - KIOSK 39 SIDE C**
**Segmentation of the Left Ventricle Using Isotropic 4D MRI**
Samantha Salazar, Susquehanna University

**CIVIL ENGINEERING**

**UNIVERSITY CENTER BALLROOM - KIOSK 17 SIDE C**
**Salinity of Snow Cast Off of the North Star Bridge - Minnesota**
Jonathan Rudolph, Minnesota State University, Mankato

**COMMUNICATIONS**

**UNIVERSITY CENTER BALLROOM - KIOSK 38 SIDE B**
**A Feminist Reading of Darling Magazine**
kelsie Nyhuis, Hope College

**UNIVERSITY CENTER BALLROOM - KIOSK 39 SIDE B**
**Learning from the Truth: Do “Truth” Campaigns Lessen College Students’ Smoking Behaviors?**
Jordan Middlebrooks, Clark Atlanta University

**UNIVERSITY CENTER BALLROOM - KIOSK 40 SIDE B**
**The Influence of Pink Games**
Jade Potter, University of Wisconsin - Superior

**COMPUTER SCIENCE**

**UNIVERSITY CENTER BALLROOM - KIOSK 36 SIDE C**
**Human-Like Problem Solving with Multicyclic Cognition**
Chandler Sears, University of Memphis

**UNIVERSITY CENTER BALLROOM - KIOSK 37 SIDE C**
**Data Visualization of Agent-Based Modeling of Virus Spread**
Jingyi (Kyra) Gan, Smith College

**UNIVERSITY CENTER BALLROOM - KIOSK 38 SIDE C**
**Improving Speech Recognition for Interviews with Both Clean and Telephone Speech**
Sung Woo Choi, Minnesota State University, Mankato

**UNIVERSITY CENTER BALLROOM - KIOSK 39 SIDE C**
**Using QSARINS to Predict the Bacteriostatic Effect of Antimicrobial Compound Candidates Against Foodborne Pathogens**
Hunter Gill, Indiana State University

**COGNITIVE NEUROSCIENCE**

**UNIVERSITY CENTER BALLROOM - KIOSK 36 SIDE B**
**An Electrocorticography (ECoG) Study: Theta-Gamma Coupling Between MTL and PFC Regions During Memory Encoding in Children**
Mohsny Malik, Wayne State University

**UNIVERSITY CENTER BALLROOM - KIOSK 37 SIDE B**
**Predicting an Individual’s Skill Acquisition from Cognitive Ability and Neural Activation**
Ariel Kalotkin, George Mason University
ECOLOGY & ORGANISMAL BIOLOGY
University Center Ballroom - Kiosk 41 Side C
Analysis of Coyote Activity Around Waste Disposal Site and Management Implications
Alexis Garretson, George Mason University

University Center Ballroom - Kiosk 42 Side C
Effects of Tylosin and Tris(dichloroisopropyl)phosphate on Oxygen Consumption and Filtration Rate of Quagga Mussels (Dreissena bugensis)
Pattamestrige Perera, Wayne State University

University Center Ballroom - Kiosk 44 Side A
The Impact of Induced Plant Stress on Goldenrod Gall Insect Success
Orvil Grunmeier III, Susquehanna University

ECONOMICS
University Center Ballroom - Kiosk 1 Side B
The Effect of the PACE Program on Health Outcomes of the Elderly in the U.S.
Nicole Crilley, Lafayette College

University Center Ballroom - Kiosk 39 Side A
An Economic Exploration of Mining Industry of Northern Minnesota
Undralsaikhan Dambii, University of Wisconsin - Superior

University Center Ballroom - Kiosk 41 Side A
The Effects of the 2008 Financial Crisis on Foreign Direct Investment in Sub-Saharan Africa
James Inlow, University of Wisconsin - River Falls

University Center Ballroom - Kiosk 61 Side A
Effects of Adolescent Physical Education on Future Obesity Outcomes
Andrew Van Hoof, Elon University

EDUCATION
University Center Ballroom - Kiosk 41 Side B
Analysis of Multiple Modes of Contact with an Undergraduate Teaching Assistant
Madeline Haftel, Ithaca College

University Center Ballroom - Kiosk 44 Side C
The Crystal Ball: Predictors of A Successful Teacher Candidate
Anne Neumann, Hope College

ELECTRICAL ENGINEERING
University Center Ballroom - Kiosk 18 Side A
Fresnel Lens Concentration For First Generation Photo Voltaic Cells
Bennett Street, Western Carolina University

University Center Ballroom - Kiosk 18 Side B
Performance Analysis of a Hybrid Particle Swarm Optimization Algorithm for Maximum Power Point Tracking of Solar Photovoltaic Systems
Nicholas Foster, Kennesaw State University

ENGINEERING/ENGINEERING TECHNOLOGY
University Center Ballroom - Kiosk 16 Side B
A Smart Parking System
Enaho Atamenwan, Midwestern State University

University Center Ballroom - Kiosk 16 Side C
Noise Monitoring Using Wireless Sensor Nodes
Courtney Myers, Hope College

ENGLISH
University Center Ballroom - Kiosk 42 Side A
Enlightenment Through Darkness: Use of the Paranormal in Dickens’ Writings
Erika Shearer, University of Wisconsin - Superior

ENVIRONMENTAL STUDIES & SCIENCES
University Center Ballroom - Kiosk 43 Side A
The Effects of the 2008 Financial Crisis on Foreign Direct Investment in Sub-Saharan Africa
James Inlow, University of Wisconsin - River Falls

University Center Ballroom - Kiosk 44 Side B
A Clear Self-View: Self-Concept Clarity and Well-Being in Blind and Sighted Individuals
Jessica Markey, Elmhurst College
Student Poster Session 2 - Thu 12:20pm-1:20pm

University Center Ballroom - Kiosk 45 Side B
Can Learning to Care for Animals Improve Self Esteem and Empathy? Assessing the Effectiveness of a Summer Camp at the Animal Rescue League of Iowa
Eduardo Martinez-Ibanez, Dominican University of California

University Center Ballroom - Kiosk 46 Side B
Delay Discounting and Young Adult Opiate Misuse
Lauren Brownstein, University of Memphis

University Center Ballroom - Kiosk 47 Side B
Effects of Pet Ownership on Empathy
Andrew Riesenberg, University of Nebraska at Kearney

University Center Ballroom - Kiosk 48 Side B
How Is Probability Interpreted? Individual Differences in Perception of Likelihood Estimates
Joshua Vincent, Westmoreland County Community College

University Center Ballroom - Kiosk 49 Side B
Matrix Training: Considerations for Recombinative Generalization and Efficiency of Acquisition
Gabriella Van Den Elzen, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 50 Side B
Personality and Charitable Giving
Shannon Maio, Salisbury University

University Center Ballroom - Kiosk 51 Side B
Reporting Mechanisms on Video Game Consoles: Player Behaviors and Reporting
Calypso-Jade Kneller, University of North Georgia

University Center Ballroom - Kiosk 52 Side B
The Mindful Link: Meditation, Yoga and Music
Sarah Farnett, State University of New York-Brockport

GEOGRAPHY & EARTH SCIENCES
University Center Ballroom - Kiosk 45 Side A
A Tale of Two Watersheds: Mapping Farmer Networks
Gunther Melander, University of Wisconsin - Stout

University Center Ballroom - Kiosk 47 Side A
Dissolved Organic Matter Structure Quality Across a Gradient of North Temperate Lakes
Meredith Kadjeski, Wells College

University Center Ballroom - Kiosk 49 Side A
New People, New Problems: The Social, Health, and Environmental Degradation of the Lower Class
Elisabeth Urbaez, University of West Florida

University Center Ballroom - Kiosk 50 Side A
Take Back the Tap: Stop Paying for Overpriced Bottled Water
Annie Savage, Arkansas State University

University Center Ballroom - Kiosk 51 Side A
Unsafe Pedestrian Behaviors: A Comparative Analysis Between Elementary and Middle School Students
Emilio Navarrete, Embry - Riddle Aeronautical University

HEALTH SCIENCES
University Center Ballroom - Kiosk 40 Side A
The Influence of Cognition in Implicit Motor Sequence Learning in Persons with Stroke
Shantae George, University of Utah

University Center Ballroom - Kiosk 55 Side A
Treatment of Osteomyelitis Using Locally Administered Vancomycin in an In-vivo Rat Model
Caroline Wang, University of Utah

University Center Ballroom - Kiosk 61 Side B
Improving Women’s Reproductive Health Via Cereal Bars
Penelope Ponthieu, University of Memphis

HISTORY
University Center Ballroom - Kiosk 40 Side C
Digital Holland
Elizabeth Ensink, Hope College

INDUSTRIAL/SYSTEMS ENGINEERING
University Center Ballroom - Kiosk 17 Side B
Wireless Network Jamming Using Directional Antennas
Ryan Stallcup, Mississippi State University
KINESIOLOGY & EXERCISE SCIENCE
University Center Ballroom - Kiosk 3 Side A
The Effect of Hydration Status on King-Devick Concussion Assessment and Symptom Scores in Healthy Collegiate Athletes
Lydia Stiving, University of Wisconsin - Eau Claire

University Center Ballroom - Kiosk 57 Side A
The Effects of Stable vs. Unstable Core Training on Balance and Fall Risk in Apparently Healthy Middle-Aged and Older Adults
Kayla Meixner, University of Wisconsin - Eau Claire

University Center Ballroom - Kiosk 58 Side A
Impact of Physical Activity and Sugar Sweetened Beverage Consumption on Arterial Stiffness
Randi Snopkowski, State University of New York-Brockport

University Center Ballroom - Kiosk 59 Side A
The Effect of Back Squat and Leg Press On Anaerobic Power
Rachel Mazzola, Gustavus Adolphus College

LINGUISTICS
University Center Ballroom - Kiosk 62 Side B
Argentinians’ Perceptions of Spanish Dialects
Kaitlyn Matrassi, Ithaca College

MARKETING
University Center Ballroom - Kiosk 15 Side C
Appeals & Spiels: A Comparative Analysis on Alcohol Advertising in the U.S. and Ireland
Amina Gibic, Lamar University

MATHEMATICS
University Center Ballroom - Kiosk 56 Side A
Forecasting Blooms and Mathematically Modeling Chlorophyll Concentration
Mackenzie Jones, University of Akron

MECHANICAL ENGINEERING
University Center Ballroom - Kiosk 52 Side A
Auto Piloting a Drone Using Computer Vision
Don Wijesinghe, Midwestern State University

University Center Ballroom - Kiosk 53 Side A
Effects of Interlayers on Effective Moduli and Interfacial Stress Transfers of Graphene-polymer Nanocomposites
Tyler Stoffel, University of Kentucky

University Center Ballroom - Kiosk 54 Side A
Minimizing Hemolysis in Ventricular Assist Devices
Mohamat Eirban Ali Bin Kaja Najumudeen, University of Central Oklahoma

University Center Ballroom - Kiosk 60 Side A
Self Healing Nanoparticles
Caulin Nelson-Angelsea, University of Rochester

MICROBIOLOGY & IMMUNOLOGY
University Center Ballroom - Kiosk 32 Side A
Arginine Methylation of Tblpn and Its Role in Phospholipid Biosynthesis in Trypanosoma brucei
Evan Spencer, State University of New York-Brockport

University Center Ballroom - Kiosk 33 Side A
Identification of RyhB-like Genes in Rhizobium leguminosarum ATCC 14479
Hannah Newman, East Tennessee State University

University Center Ballroom - Kiosk 34 Side A
Regulation of vtrRa in V. cholerae
Yash Patel, University of Rochester

MUSIC
University Center Ballroom - Kiosk 1 Side C
A History and Analysis of Olivier Messiaen’s Quatuor Pour La Fin Du Temps
Theresa Santos, Adelphi University

NURSING
University Center Ballroom - Kiosk 54 Side B
A Homey Assisted Living Community: Perspectives of the Staff and Residents
Morgan Kleppe, Indiana University
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Presenter/Institution</th>
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<tbody>
<tr>
<td>2</td>
<td>Measuring Variations of the Speed of Sound in a Corrugated Tube</td>
<td>Olivia Byrd, University of North Carolina - Asheville</td>
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<tr>
<td>2</td>
<td>Using Multiscale Simulations to Quantify Fundamental Mechanisms Behind Ion-Induced Nanopatterning on GaSb Surfaces</td>
<td>Michael Toriyama, University of Illinois at Urbana Champaign</td>
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<td>2</td>
<td>Prenatal Androgen Exposure in Adult Female Wistar Rats</td>
<td>Nadeen Sarsour, University of Toledo</td>
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<td>Security Differential” Between Races Within Income Brackets: Perceptions of Police</td>
<td>Danielle Sindelar, American University</td>
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<td>The Rules Change the Game: Delegate Allocation Variations and Primary Season Length</td>
<td>Paul Oshinski, University of Georgia</td>
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<td>Assessing Intervention Effectiveness in Walworth County’s Health and Human Services</td>
<td>Alissa Zawacki, University of Wisconsin - Whitewater</td>
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<td>Intergrating Public Health and Emergency Preparedness</td>
<td>Sydney Walcott, Radford University</td>
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<td>2</td>
<td>Structural Quality of Healthcare Facilities in India</td>
<td>Bianca Armenta, University of Utah</td>
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**NUTRITION**

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<tr>
<th>Session</th>
<th>Title</th>
<th>Presenter/Institution</th>
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<tr>
<td>2</td>
<td>Higher Unsaturated Fatty Acid Intake and Aerobic Training Are Related to Lower Intramyocellular Lipid in Older Adults</td>
<td>Hillary McLean, University of Kentucky</td>
</tr>
</tbody>
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**PHYSICS**

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Presenter/Institution</th>
</tr>
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<tbody>
<tr>
<td>2</td>
<td>Kinetic Energy Functional of an N Particle System</td>
<td>Adrian Halarewicz, Loyola University Maryland</td>
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<td>2</td>
<td>Characterization of Electroactive Polymer Langmuir Films</td>
<td>Evan Folk, University of Nebraska at Kearney</td>
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<td>2</td>
<td>Exotic States in Simulations of Colossal Magnetoresistive Oxides</td>
<td>Emily Ochoa, Lamar University</td>
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**PUBLIC HEALTH**

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<tr>
<th>Session</th>
<th>Title</th>
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<tr>
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</tbody>
</table>
SOCIAL WORK
University Center Ballroom - Kiosk 25 Side C
“NO 1 LIKES U”: Possible Predictors of Cyberbullying
Dana Sauro, Loyola University Maryland

SOCIOLOGY
University Center Ballroom - Kiosk 22 Side C
Barriers and Concerns Related to Health Disparities in the African American Community in Utah
Madelaine Tesori, Weber State University

University Center Ballroom - Kiosk 23 Side C
Homelessness in the Valley
Termaine Turner, University of Nevada Las Vegas

University Center Ballroom - Kiosk 24 Side C
The Asexual Experience and Community in Denmark
Christine Otto, University of Rochester

WOMEN, GENDER, AND SEXUALITY STUDIES
University Center Ballroom - Kiosk 20 Side C
Campus Climate for LGBTQ Students
Tatiana Smithson, Kennesaw State University

University Center Ballroom - Kiosk 21 Side C
Self-Esteem and Subjective Happiness of Male and Female Japanese: The Mediator Role of Horizontal Individualistic Orientation
Ayana Maezumi, Musashino University

Student Poster Session 3 - Thu 1:40pm-2:40pm

ANTHROPOLOGY
University Center Ballroom - Kiosk 2 Side B
Veni, Vidi, Vexo? Roman Agrarianism and the Transition Between Republic and Empire
Ryan Leckel, University of Wisconsin - Stout

ARCHITECTURE & INTERIOR DESIGN
University Center Ballroom - Kiosk 2 Side C
Disintegrating Brick in West Philadelphia: Preservation & Hydroponic Food Growth
Kiera Townsend, Drexel University

ART HISTORY
University Center Ballroom - Kiosk 1 Side A
A Comparative Study of the Dragon as a Symbol of Authority in Qing Dynasty, China and Early 15th Century Italy
Jennifer Clark, University of Central Oklahoma

University Center Ballroom - Kiosk 1 Side B
Language of Dance: Chokwe Society and German Expressionists
Blair Summers, University of Central Oklahoma

ASTRONOMY
University Center Ballroom - Kiosk 3 Side B
Homogeneous Estimates of Physical Parameters of Galactic Open Clusters Based on Stromgren and Vilnius Photometries
David Morser, University of Wisconsin - Oshkosh

BEHAVIORAL NEUROSCIENCE
University Center Ballroom - Kiosk 4 Side A
Development of a Novel Operant Behavior Testing Chamber Using a Touchscreen and an Arduino
Emily Ferguson, University of Mary Washington

University Center Ballroom - Kiosk 4 Side B
Hatchling Snapping Turtle Phototaxis Depends on Irradiance and Wavelength
Theodore Deitz, St. Olaf College
University Center Ballroom - Kiosk 4 Side C
Operant Training Paradigm for Rodents Performing an Active Auditory Oddball Task
Hunter Nolen, University of Memphis

University Center Ballroom - Kiosk 5 Side A
The Impact of Acute Stress on Cognitive Bias in Rats
Olivia Souder, Susquehanna University

BIOCHEMISTRY
University Center Ballroom - Kiosk 5 Side B
Biophysical Characterization of a G-Quadruplex Structure in Pre-miR-125b-2
John Roth, Duquesne University

University Center Ballroom - Kiosk 6 Side B
Lipid Unsaturation Effects on Activation Energy for Water Permeability Across Droplet Bilayers: Role of Cholesterol
Michael Morales, Iona College

University Center Ballroom - Kiosk 6 Side C
Quinolone-Topoisomerase Interactions and Resistance: Does the Water-Metal Ion Bridge Play a Role in Escherichia coli gyrase?
Hannah Carter, University of Evansville

University Center Ballroom - Kiosk 7 Side A
Sucrose Metabolism in Kombucha Tea
Patrick Cheek, Indiana State University

University Center Ballroom - Kiosk 7 Side B
Understanding the Role of BCL-2 Proteins in Hyperglycemia-induced Apoptosis in Cardiomyocytes
Stefanie Miller, Elon University

University Center Ballroom - Kiosk 7 Side C
Engineering Bacteria to Produce Natural Scents from Chemical Wastes
Brandon Wilbanks, University of Tennessee at Knoxville

BIOLOGY
University Center Ballroom - Kiosk 8 Side A
A Metagenomic Approach to Study the Microbial Population of Jamaica Bay and the Impact of Nearby CSO Discharges in the Microbial Community.
Tanjila Sharif, City University of New York- York College

University Center Ballroom - Kiosk 8 Side B
Analysis of Amygdala Morphology and Neurogenesis in Green Anole Lizard in Breeding Versus Non-breeding Season
Jaden Roddick, Minnesota State University, Mankato

University Center Ballroom - Kiosk 8 Side C
Azteca trigona Influence Species Distribution and Ant Behavior in a Lowland Tropical Forest
Kate Henderson, Villanova University

University Center Ballroom - Kiosk 9 Side A
Cancellous Bone Strength and Stiffness in Health and Osteoporosis, as 3D Printed Models
Margaret Black, Winthrop University

University Center Ballroom - Kiosk 9 Side B
Comparison of DX613 Copper Sulfate Acidifier Footbath to a 5% Copper Sulfate Footbath for Prevention of Digital Dermatitis Lesions in Dairy Cattle
Haley Reichenbach, University of Kentucky

University Center Ballroom - Kiosk 10 Side A
Effects of Electrolyzed Water on Digital Dermatitis in a Footbath Solution
Hannah Himmelmann, University of Kentucky

University Center Ballroom - Kiosk 10 Side B
European Honeybee (Apis mellifera) Down-Regulates the Glycolysis Pathway in Response to High Fructose Corn Syrup
Michelle Jennette, Bridgewater State University

University Center Ballroom - Kiosk 10 Side C
First Record of Physaloptera Sp. in Eastern Coyotes (Canis latrans) from Pennsylvania, USA
Laura Scales, Susquehanna University
University Center Ballroom - Kiosk 11 Side A
Genotyping with Uniform Mutagenic Insertional Elements
James Whelan, Hamline University, St. Paul

University Center Ballroom - Kiosk 11 Side B
Identification of Cis-elements Required for the Expression of Arabidopsis InvINH1 in the Endosperm
Olivia Stephens, Spelman College

University Center Ballroom - Kiosk 11 Side C
Investigating the Role of MLK3 in Mitotic Progression of Ovarian Cancer Cells
Raj Thomas, University of Toledo

University Center Ballroom - Kiosk 12 Side A
Keratin Dose-Dependently Rescues Hypoxia-Mediated Oxidative Stress and Apoptosis in Human Cardiac Stem Cells
Shannon Veilleux, Western Carolina University

University Center Ballroom - Kiosk 12 Side B
Mitochondrial Metabolism in D. simulans as Observed Through the mTOR Pathway
Monika Mikolajczak, Adelphi University

University Center Ballroom - Kiosk 12 Side C
Pharmacological Identification of Cholinergic Receptor Subtypes in Modulation of Drosophila melanogaster Sensory-motor Circuits
Aya Omar, University of Kentucky

University Center Ballroom - Kiosk 13 Side A
Quantifying Environmental DNA of Pathogens
Elsa Zuniga, North Central College

University Center Ballroom - Kiosk 13 Side B
Surveying Bird Populations Using Point Counts in the St. John’s Arboretum, Collegeville, MN
Brandon Franta, St. John’s University

University Center Ballroom - Kiosk 14 Side A
The RoarPlex – a Novel Tetranucleotide Microsatellite and Sex-ID Panel That Allows for Accurate Individual Identification and Sharing of Genetic Data Across Institutions
Colton Ames, Duquesne University

University Center Ballroom - Kiosk 14 Side B
Alginate Coatings Applied to Silver-decorated Calcium Phosphate Nanoparticles Decrease Release of Ionic Silver
Chavez Nelson, University of Memphis

University Center Ballroom - Kiosk 14 Side C
EvoDesign++: Computational Protein Interaction Design
Harsha Parchani, University of Michigan

University Center Ballroom - Kiosk 15 Side B
Validating Laser Doppler Flowmetry for In Vivo Longitudinal Measurements of Bone Blood Perfusion
Elizabeth Easter, North Carolina State University

Business/Finance/Accounting

University Center Ballroom - Kiosk 19 Side B
Gender Differences in Perceptions of Satisfaction with Public Safety at a HBCU
Jamesha Hosea, Clark Atlanta University

Cell & Molecular Biology

University Center Ballroom - Kiosk 19 Side C
An Assessment of Next-generation Sequencing on Forensic Touch DNA Samples
Marina Hoggan, North Carolina State University

University Center Ballroom - Kiosk 21 Side A
Genotype Analysis Confirms Development of Eya3 Knockout Zebrafish for Future Tumor Studies
David Villani, University of Wisconsin - Superior

University Center Ballroom - Kiosk 22 Side A
Inhibition of Adipogenesis in 3T3-L1 Cells by the Anti-inflammatory Agents 6-gingerol and Retinoic Acid
Andrew Muckin, Susquehanna University

University Center Ballroom - Kiosk 23 Side A
Promoter Mutations in Cyclin A2 Reveal Novel Functions of the Protein in Spermatogenesis
Manuel Torres, Ohio State University

Cell & Molecular Biology

University Center Ballroom - Kiosk 23 Side B
Quantifying Environmental DNA of Pathogens
Elsa Zuniga, North Central College

University Center Ballroom - Kiosk 11 Side A
Genotyping with Uniform Mutagenic Insertional Elements
James Whelan, Hamline University, St. Paul

University Center Ballroom - Kiosk 11 Side B
Identification of Cis-elements Required for the Expression of Arabidopsis InvINH1 in the Endosperm
Olivia Stephens, Spelman College

University Center Ballroom - Kiosk 11 Side C
Investigating the Role of MLK3 in Mitotic Progression of Ovarian Cancer Cells
Raj Thomas, University of Toledo

University Center Ballroom - Kiosk 12 Side A
Keratin Dose-Dependently Rescues Hypoxia-Mediated Oxidative Stress and Apoptosis in Human Cardiac Stem Cells
Shannon Veilleux, Western Carolina University

University Center Ballroom - Kiosk 12 Side B
Mitochondrial Metabolism in D. simulans as Observed Through the mTOR Pathway
Monika Mikolajczak, Adelphi University

University Center Ballroom - Kiosk 12 Side C
Pharmacological Identification of Cholinergic Receptor Subtypes in Modulation of Drosophila melanogaster Sensory-motor Circuits
Aya Omar, University of Kentucky

University Center Ballroom - Kiosk 13 Side A
Quantifying Environmental DNA of Pathogens
Elsa Zuniga, North Central College

University Center Ballroom - Kiosk 13 Side B
Surveying Bird Populations Using Point Counts in the St. John’s Arboretum, Collegeville, MN
Brandon Franta, St. John’s University

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The RoarPlex – a Novel Tetranucleotide Microsatellite and Sex-ID Panel That Allows for Accurate Individual Identification and Sharing of Genetic Data Across Institutions
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Promoter Mutations in Cyclin A2 Reveal Novel Functions of the Protein in Spermatogenesis
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University Center Ballroom - Kiosk 24 Side A
The Effect of Matrix Metalloproteinase Inhibition on Intracellular Signaling in Adipogenic Differentiation of 3T3-L1 Cells
Emily Leboffe, Susquehanna University

University Center Ballroom - Kiosk 25 Side A
Voltage-Gated Calcium Channel Auxiliary Subunits
Reagan Foster, Kennesaw State University

CELLULAR NEUROSCIENCE
University Center Ballroom - Kiosk 26 Side A
Effects of NMDAR Chimeric GluN2 Subunit Expression on the Postnatal Development of Hippocampal Dendritic Morphology
Carey Hung, George Mason University

University Center Ballroom - Kiosk 27 Side A
Novel Preclinical Model of Late Onset Parkinson’s Disease
Sidhanth Chandra, University of Alabama at Birmingham

CHEMICAL ENGINEERING
University Center Ballroom - Kiosk 16 Side A
Computer Modeling of Novel Materials for Energy Applications
Alan Fong, University of Michigan

CHEMISTRY
University Center Ballroom - Kiosk 20 Side B
A Series of Cross-Photodimerization Reactions Utilizing Polylfluorophenyl-Phenyl Interactions
Benjamin Ingenthron, Webster University

University Center Ballroom - Kiosk 21 Side B
Carbon Dioxide Sequestration: Computational Analysis of Several Amino Acid Salts
Kathleen Parker, Elmhurst College

University Center Ballroom - Kiosk 22 Side B
Development of Oxygen-Mediated Cross-Couplings of Silicon and Boron Compounds
Chance Lindsey, Arkansas State University

University Center Ballroom - Kiosk 23 Side B
Examining the Implications of the Flint Water Crisis: Current & New Methods for Determining Lead Risk in North Carolina
Megan Woody, University of North Carolina, Charlotte

University Center Ballroom - Kiosk 24 Side B
Indirect Determination of Enzyme Kinetics Using Capillary Electrophoresis with Chemiluminescence Detection
Blake Seaton, Appalachian State University

University Center Ballroom - Kiosk 25 Side B
Monitoring Graphene Oxide Reduction Using a Green Reducing Agent
Madisen Hyatt, St. Catherine University

University Center Ballroom - Kiosk 26 Side B
Probing Single-Molecule Surface-Enhanced Raman Spectroscopy Fluctuations
Sierra Lambeth, Albright College

University Center Ballroom - Kiosk 27 Side B
Solvent-free Synthesis of Curcuminoids: A Greener Approach to Valuable Biological Targets
Jenna Sullivan, University of Wisconsin - La Crosse

University Center Ballroom - Kiosk 28 Side B
Synthesis and Biological Evaluation of Inhibitors of KasA Identified Through Virtual Screening: A Novel Inhibitor of Mycobacterium Tuberculosis
Grace Henry, University of Mary Washington

University Center Ballroom - Kiosk 29 Side B
Synthesis of Phosphate Analogue of 2-ketoglutarate
Brena Thompson, Eastern Washington University

University Center Ballroom - Kiosk 30 Side B
The Relationship of Sequence and Activity in a Series of Short ß-Sheet Peptides with Antimicrobial Activity
Samantha Kennelly, Hamline University

University Center Ballroom - Kiosk 31 Side B
When Push Comes To Shove: Limitations of Hydrogen Bonded Liquid Crystal/Inhibitor Networks
Charles Lindberg, University of Wisconsin - Eau Claire
CIVIL ENGINEERING
University Center Ballroom - Kiosk 17 Side B
Assessment of Transportation Performance Savings Using 3D Printing Technology for Pharmaceutical Products
Sukanya Dasgupta, University of Memphis

CLINICAL PSYCHOLOGY
University Center Ballroom - Kiosk 18 Side C
Prevalence of Non-Suicidal Self-Injury on Youtube: A Content and Comment Analysis
Nathan Lowry, Iona College

University Center Ballroom - Kiosk 32 Side B
A Comparison Between Brazilians and Americans on Self-Regulation and Coping
Fernando Krause, Adelphi University

University Center Ballroom - Kiosk 33 Side B
Conscientiousness and Impulsivity Relation to Discounting Tasks
Alexandra Steel, Eastern Connecticut State University

University Center Ballroom - Kiosk 35 Side A
Help Me, Help You: A Study of Undergraduate Help-seeking Behavior in Response to Unwanted Sexual Experiences
Maggie Hakas, Elon University

University Center Ballroom - Kiosk 36 Side A
Narcissism and Social Media
Jennifer Rice, University of Memphis Lambuth

University Center Ballroom - Kiosk 37 Side A
Sex Bias in Personality Disorders
Jenisa Caban, Adelphi University

COGNITIVE NEUROSCIENCE
University Center Ballroom - Kiosk 36 Side B
Assessing Fear Responses with Event-Related Potential and Reaction Time in a Go-NoGo Task
Taylor Simmons, Bethel College

University Center Ballroom - Kiosk 37 Side B
Projections from the Temporal Cortex to the Basal Nucleus of the Amygdala in the Macaque
Ashley Bui, University of Rochester

COMMUNICATIONS
University Center Ballroom - Kiosk 39 Side B
Media Games: The Non-Athletic Framing of the 2016 Summer Olympic Games by the American Media
Olivia Skatrud, Hope College

University Center Ballroom - Kiosk 40 Side B
The Natural Hair Journey: Social Media Communities and the Promotion of Natural Hair Acceptance Among Black, Female College Students
Cameron Jackson, Elon University

COMPUTER SCIENCE
University Center Ballroom - Kiosk 36 Side C
“Calculating Pearson Correlations Between Barometric Pressure and Rainfall Levels Affecting the Continental United States Using Structured Query Language.”
William Spaid III, University of West Florida

University Center Ballroom - Kiosk 38 Side C
Indoor 3D Reconstruction by Using Point Clouds Collected from Google Project Tango Device
Yihe Chen, Susquehanna University

University Center Ballroom - Kiosk 39 Side C
Sentiment Detection In Video
Justin Ramirez, California State University- Bakersfield

ECOLOGY & ORGANISMAL BIOLOGY
University Center Ballroom - Kiosk 41 Side C
Assessing Productivity in Prairie Biomass Feedstocks with Different Levels of Diversity
Alyssa Williams, University of Northern Iowa

University Center Ballroom - Kiosk 42 Side C
Environmental Variability Regulates Riverine Dragonfly (Odonata) Emergence from Wisconsin Rivers
Danielle Tesar, University of Wisconsin - Parkside

University Center Ballroom - Kiosk 43 Side C
Octopamine Effects on Wolf Spider Courtship and Mating Interactions: More Sex or More Cannibalism?
Alyssa Coleman, Susquehanna University
Student Poster Session 3 - Thu 1:40pm-2:40pm

University Center Ballroom - Kiosk 44 Side A
The Use of a Pond as Environmental Enrichment for Captive Sandhill Cranes
Margaret Dempsey, University of Tennessee at Chattanooga

ECONOMICS
University Center Ballroom - Kiosk 39 Side A
Analysis of Modifications to the Student Success Project
Jesse Eklund, University of Minnesota - Morris

University Center Ballroom - Kiosk 41 Side A
The Influence of Religion on Male and Female Educational Attainment
Corey Smith, Eastern Washington University

University Center Ballroom - Kiosk 61 Side A
Financial Well-Being and Happiness: A Comparison of German and US Economics University Students
Stephanie Drefahl, University of Wisconsin - La Crosse

EDUCATION
University Center Ballroom - Kiosk 42 Side B
Factors Affecting the Rate of Sexual Assault on U.S. College Campuses
Catherine York, Middle Tennessee State University

University Center Ballroom - Kiosk 44 Side C
The Effect of Motivation Theory and STEM Activities on Students’ Perceived Roles in Their Communities
Katherine Waller, North Carolina State University

ELECTRICAL ENGINEERING
University Center Ballroom - Kiosk 17 Side C
Addressing World Food Shortage Through Vertical Farming and Efficient Microgrid Design
Devesh Mohan, Iowa State University

University Center Ballroom - Kiosk 18 Side A
Green Communications: A Cognitive Radio Network Approach
Carrie Smith, Seattle University

University Center Ballroom - Kiosk 18 Side B
Power Output of Flexible Solar Panel
Bryson Shannon, Western Carolina University

ENGINEERING/ENGINEERING TECHNOLOGY
University Center Ballroom - Kiosk 16 Side B
American Sign Language (ASL) Static Gesture Recognition Using Leap Motion Technology
Taylor Andrews, Western Carolina University

ENVIROMENTAL ENGINEERING
University Center Ballroom - Kiosk 17 Side A
Developing a Competitive Recovery and Regeneration Method for a Novel Adsorbent
Alexander Cleaveland, University of Wisconsin - Milwaukee

ENVIROMENTAL STUDIES & SCIENCES
University Center Ballroom - Kiosk 43 Side A
Factors Influencing the Regeneration of Eastern Hemlock (Tsuga Canadensis) at UNDERC East in Northern Wisconsin
Delaney Martin, California University of Pennsylvania

EXPERIMENTAL PSYCHOLOGY
University Center Ballroom - Kiosk 44 Side B
A New Rehabilitation Method for Stroke Rehabilitation: A Comparative Study Between the Pasta Matrix Reaching Task and the Novel Reaching Task
Shannon Maloney, Illinois Wesleyan University

University Center Ballroom - Kiosk 45 Side B
Charitable Giving as a Measure of Attitudes Towards Addiction and Mental Illness
Katherine Burt, Siena College

University Center Ballroom - Kiosk 46 Side B
Determining Chocolate Chip Cookie Preference in Young Adults
Geneva Jump, Dominican University of California

University Center Ballroom - Kiosk 47 Side B
Effects of Relational and Item-Specific Encoding on False Memories Within Collaborative Groups
Amber Shields, University of North Georgia

University Center Ballroom - Kiosk 48 Side B
Human-Canine Interactions: The Impact of Breed, Training, and Socialization on Canine Response to Emotional Cues of Their Owners and Strangers
Brianna Artz, George Mason University
University Center Ballroom - Kiosk 49 Side B
Media And Racial Stereotypes
Ashley Blakemore, University of Memphis Lambuth

University Center Ballroom - Kiosk 51 Side B
Self-Distancing Promotes Rational Thought in Women: A Time and Effort Experiment
Brendan Whitney, University of Michigan

University Center Ballroom - Kiosk 52 Side B
The Effect of Encoding Modality and Rehearsal Strategy on Foreign Language Vocabulary Recall
Danielle Bestfelt, Bellarmine University

University Center Ballroom - Kiosk 53 Side B
The Moderating Effect of Gender on Attraction Type and Intimacy in Adolescent Relationships
Andrew Smith, Slippery Rock University of Pennsylvania

GEOGRAPHY & EARTH SCIENCES
University Center Ballroom - Kiosk 45 Side A
Algae to Fuel: Initiating a Green Fuel Project to Create Coal from Local Marine Algae
Shawnee Doling-Tye, University of West Florida

University Center Ballroom - Kiosk 46 Side A
Climate Change and Extreme Precipitation: Understanding Community Perceptions
Gabrielle Sherrrer, Spelman College

University Center Ballroom - Kiosk 47 Side A
Distribution of Forest Fungi at Green Wing Environmental Laboratory
DeAnna Bender, Augustana College

University Center Ballroom - Kiosk 48 Side A
Impacts of Hurricanes on Flood Non-Stationarity
Jade Bowles, Spelman College

University Center Ballroom - Kiosk 50 Side A
The Construction and Production of a Operational and Reliable Marine Sciences Sensor Array (MSSA) Based on Open Source Hardware
Kirsten Ayres, University of West Florida

University Center Ballroom - Kiosk 51 Side A
Utilizing NASA Earth Observations to Detect Changes in Annual Snowpack Coverage in Intermountain National Parks
Brooke Colley, The University of Virginia’s College at Wise

HEALTH SCIENCES
University Center Ballroom - Kiosk 9 Side C
Diagnosis and Alternative Treatments for Recurrent Bacterial Vaginosis
Gurveer Gill, Wayne State University

University Center Ballroom - Kiosk 40 Side A
The Implications of the Female Athlete Triad on the Development of Second Metatarsal Stress Fractures in Professional Classical Ballet Dancers
Shira Lanyi, Virginia Commonwealth University

University Center Ballroom - Kiosk 55 Side A
Time Spent with Animals and Well-Being
Amber Love, University of Memphis Lambuth

University Center Ballroom - Kiosk 59 Side B
Association Between Hormonal Contraceptives and Depression in College-Aged Females
Maggie Anderson, Dominican University of California

University Center Ballroom - Kiosk 60 Side B
Evaluation of the Effectiveness of Peripheral Vascular Disease Screening in Kidney Transplant Candidates
Ivy Ochieng, University of Michigan

University Center Ballroom - Kiosk 61 Side B
Knowledge of the Triple Aim Among Health Profession Students and Its Perceived Relevance to Their Professional Practice
Cassie Prather, Eastern Washington University

HISTORY
University Center Ballroom - Kiosk 40 Side C
Gender Equality in China
Vicky Zhao, Adelphi University
INTERNATIONAL STUDIES
University Center Ballroom - Kiosk 3 Side A
The Impact of Regional Integration in Nigeria and Ghana
Selena Batchily, George Mason University

KINESIOLOGY & EXERCISE SCIENCE
University Center Ballroom - Kiosk 57 Side A
Comparison of Heart Rate Response, Rate of Perceived Exertion, and Psychological Attitude During Land- vs. Water-Based Exercise Among Collegiate Club Sport Athletes
Sara Schmitz, University of Wisconsin - Eau Claire

University Center Ballroom - Kiosk 58 Side A
Impact of Sit to Stand Workstations Use on Optimism: A Pilot Study
Catherine Patrick, University of Central Oklahoma

University Center Ballroom - Kiosk 59 Side A
The Effect of One 50-Minute Yoga Session on Blood Pressure and Flexibly Among College Students
Riley Viner, Gustavus Adolphus College

MARKETING
University Center Ballroom - Kiosk 15 Side C
Increasing Donations from a Younger Generation: A Marketing Campaign for MADD
Taylor Morris-Bates, Salisbury University

MATHEMATICS
University Center Ballroom - Kiosk 56 Side A
Learning to Use Appropriate Tools Strategically for Bivariate Data Analysis
Matthew Jones, Salisbury University

MECHANICAL ENGINEERING
University Center Ballroom - Kiosk 52 Side A
Bicycle Brake Using Magnetorheological (MR) Fluid
Richard Lavallee, Western Carolina University

University Center Ballroom - Kiosk 53 Side A
Engine Oil Wear
Tate Harris, Utah Valley University

University Center Ballroom - Kiosk 60 Side A
Sodium and Chloride Ions Concentration Mapping in Saltwater
Suman Bhandari, Midwestern State University

MICROBIOLOGY & IMMUNOLOGY
University Center Ballroom - Kiosk 32 Side A
Bacteriophage Interactions in the University of Wisconsin Biodigester
Jordan Black, University of Wisconsin - Oshkosh

University Center Ballroom - Kiosk 33 Side A
Induction of Anergy Is Differentially Regulated by CD28 and NKG2D Costimulation in Murine CD8 T Cells
Zachary Fasana, Longwood University

University Center Ballroom - Kiosk 34 Side A
Rescue of Caenorhabditis elegans Daf-16 with Brugiam Malayi Daf-16
Colin Nelson, University of Wisconsin - Whitewater

MUSIC
University Center Ballroom - Kiosk 1 Side C
Composing Castles: Case Study of Visual Prompts on Young Students’ Compositions
Michelle Curtis, University of Wisconsin - Whitewater

NURSING
University Center Ballroom - Kiosk 55 Side B
Diffuse Intrinsic Pontine Glioma (DIPG): A Qualitative Study
Amy Deaner, Austin PEAY State University

University Center Ballroom - Kiosk 58 Side B
Successful Transitions or Opportunities for Improved Care
Lauren Jupina, Texas Christian University

NUTRITION
University Center Ballroom - Kiosk 34 Side B
S.N.A.P. Out of It! The Nutritional Efficacy of the Supplemental Nutrition Assistance Program
Bobby McCabe, American University
PHILOSOPHY & ETHICS
University Center Ballroom - Kiosk 35 Side B
Contextualizing Hardin and Singer’s Arguments: A Hunger Relief Analysis
Braxton Fonner, Lone Star College System The Honors College

University Center Ballroom - Kiosk 35 Side B
Contextualizing Hardin and Singer’s Arguments: A Hunger Relief Analysis
Braxton Fonner, Lone Star College System The Honors College

PHYSICS
University Center Ballroom - Kiosk 31 Side C
Visualizing the Inspiral of Unaligned Black Hole Binary Systems
Karl Osterbauer, University of Minnesota, Duluth

University Center Ballroom - Kiosk 32 Side C
Characterizing Liquid Argon Time Projection Chambers for Neutrino Physics
Samuel Borer, University of Maine

University Center Ballroom - Kiosk 33 Side C
Exploring Flourinert’s Potential as a Cryogenic Agent for Cryobiology
Nicholas Bray, Eastern Washington University

University Center Ballroom - Kiosk 34 Side C
Nanoparticle Enhanced Laser Induced Breakdown Spectroscopy (NELIBS) Investigations of Calcium Carbonate Structures
James Amos, University of West Florida

PHYSIOLOGY
University Center Ballroom - Kiosk 31 Side A
Renal Denervation Reduces Neuronal Activity Markers in the Brain Stem of Normal Rats but Not Salt-sensitive Hypertensive Rats on High Salt Diets
Amanda Feagans, University of Evansville

POLITICAL SCIENCE
University Center Ballroom - Kiosk 29 Side A
Of, By and For The People, Not Donors
Matthew Cude, Utah State University

University Center Ballroom - Kiosk 30 Side A
Understanding Political Trauma and How It Can Shape Terrorism
Katherine Huffman Huffman, University of Kentucky

PUBLIC HEALTH
University Center Ballroom - Kiosk 28 Side C
General Aviation Hypoxia and Reporting Statistics
Claire Schindler, Embry - Riddle Aeronautical University

University Center Ballroom - Kiosk 29 Side C
Investigating Contributing Factors to Chronic Homelessness in Hennepin County, MN
Allison Trezona, St. Olaf College

SOCIAL WORK
University Center Ballroom - Kiosk 25 Side C
Atlanta’s Immigrant Crossroads: Factors Making Immigrant Integration Difficult and How to Help
Kayland Arrington, Kennesaw State University

University Center Ballroom - Kiosk 26 Side C
What Are a Criminal Offenders Obstacles to Success
Billy Johnson, Westmoreland County Community College

SOCIOLOGY
University Center Ballroom - Kiosk 22 Side C
Body-Worn Cameras for Police Officers and the Security vs. Privacy Issue
Casey Morrison, Southern New Hampshire University

University Center Ballroom - Kiosk 24 Side C
Exploring Flourinert’s Potential as a Cryogenic Agent for Cryobiology
Nicholas Bray, Eastern Washington University

WOMEN, GENDER, AND SEXUALITY STUDIES
University Center Ballroom - Kiosk 20 Side C
Campus Survival: An Examination of Sexual Assault Services on Single-Sex Campuses
Breanna Hiner, University of Nebraska at Kearney

University Center Ballroom - Kiosk 21 Side C
Self-Perceptions, Perceived Perception of Others, and Self-Esteem
Kaylen Hendrix, University of Memphis Lambuth
| University Center Ballroom - Kiosk 4 Side A | Effect Of Strength Training On Neuropathic Pain And Afferent Sprouting After Cervical Spinal Cord Injury | Alessandra Tamashiro Orrego, Drexel University |
| University Center Ballroom - Kiosk 4 Side C | Oxytocin’s Effect on Rodent Impulsivity | Danyelle Roan, Miami University |
| University Center Ballroom - Kiosk 5 Side A | The Nuclei That Bind II: Further Exploration into the Role of the Endopiriform Nucleus and the Claustrum in the Processing of Taste Information | Victoria Riera, Stetson University |
| University Center Ballroom - Kiosk 5 Side B | Biophysical Characterization of Drosha mRNA Binding to FMRP RGG Box Domain | Keefe McDougal, Duquesne University |
| University Center Ballroom - Kiosk 6 Side A | Functional Role of a Distant Flexible Region of E. coli Prolyl-tRNA Synthetase in Catalysis | AN HODAC, University of Wisconsin - Eau Claire |
| University Center Ballroom - Kiosk 6 Side B | Mitochondria-targeted Catalase Primes Adipocyte Differentiation Through Regulation of Pref-1 | Kendall Tavares, Appalachian State University |
| University Center Ballroom - Kiosk 7 Side A | Synthesis of a Novel Acetylcholinesterase Inhibitor for the Treatment of Alzheimer’s Disease | Andrew Denning, Georgia College and State University |
| University Center Ballroom - Kiosk 7 Side C | Engineering Collagen Fibril Microstructure and Tuning ECM Stiffness to Study Migration Strategies of Cancer Cells in 3D Microenvironments | Raymond Chin, University of Rochester |
BIOLOGY

University Center Ballroom - Kiosk 8 Side A
A Preliminary Analysis of the Effects of Dominance on Ring-tailed Lemurs (Lemur catta): Responses to Novel Objects
Megha Ganatra, North Carolina State University

University Center Ballroom - Kiosk 8 Side C
Behavioral Analysis of Galapagos Grapsus grapsus in Response to Daily Tidal Conditions
Melanie Thares, College of Saint Benedict/ St. John’s University

University Center Ballroom - Kiosk 9 Side A
Cannabidiol Mitigates the Effects of Chronic Beta-Amyloid Administration in Adult Mice
Adam Tran, Saint Vincent College

University Center Ballroom - Kiosk 9 Side B
Comparison of Pointed RNAi Knockdown Phenotypes and the Quantification of Resulting mRNA Levels
Joneisha Moore, Susquehanna University

University Center Ballroom - Kiosk 9 Side C
Distribution of Antibiotic Resistance Genes in Soil Bacterial Communities Residing in the Centralia, PA Mine Fire Area
Brooke Grill, Susquehanna University

University Center Ballroom - Kiosk 10 Side A
Effects of Exogenous β-alanine on Primary Root Growth, Potassium Accumulation and Polyamine Biosynthesis in Arabidopsis Thaliana
Thomas Detchemendy, University of Tennessee at Chattanooga

University Center Ballroom - Kiosk 10 Side B
Evidence for the Role of MARCKS and MARCKSL1 During Coxiella burnetii Infections
Christa Jackson, John Brown University

University Center Ballroom - Kiosk 10 Side C
Full-Field Optical Coherence Tomography Imaging of Skin Specimens in Mohs Surgery
Shreya Dundumalla, Drexel University

University Center Ballroom - Kiosk 11 Side A
Geographic Distribution of Nuclear and Mitochondrial Genetic Patterns in Pocket Gophers at a Subspecies-hybrid Zone in New Mexico
Jill Hill, University of Northern Iowa

University Center Ballroom - Kiosk 11 Side B
Inactivation of Disease-Causing Nonresistant and Antibiotic-resistant Trichomonas Vaginalis Strains by Food-Compatible Plant Extracts
Sabrina Noritake, University of the Pacific

University Center Ballroom - Kiosk 11 Side C
Investigating the Role of Mrp4 in Dark Adaptive Processes
David Salazar Jr., Texas State University - San Marcos

University Center Ballroom - Kiosk 12 Side B
Modeling Relationships Among Growth, Nitrate Uptake and Nitrate Reductase Activity in Phytoplankton from a Freshwater Urban Pond and Lake Michigan
Ursula Sicking, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 13 Side A
Quantifying Lens Crystallin in Various Species of Teleost Fish
Sarah Pace, Westminster College

University Center Ballroom - Kiosk 13 Side B
Comparison of Pointed RNAi Knockdown Phenotypes and the Quantification of Resulting mRNA Levels
Joneisha Moore, Susquehanna University

University Center Ballroom - Kiosk 13 Side C
Distribution of Antibiotic Resistance Genes in Soil Bacterial Communities Residing in the Centralia, PA Mine Fire Area
Brooke Grill, Susquehanna University

University Center Ballroom - Kiosk 14 Side B
Temperature Effects on the Mono- and Digalactosyldiacylglycerol Lipid Composition of Chlorarachniophyte algae
Shivan Berwari, Middle Tennessee State University

BIOMEDICAL ENGINEERING

University Center Ballroom - Kiosk 14 Side B
Application of Tactile Feedback and Integration into the Da Vinci Surgical Machine: Novel Proposal for Mitral Valve Replacement Postoperative Complication Reduction
Bhargav Sathish, Virginia Commonwealth University
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<th>University Center Ballroom - Kiosk 14 Side C</th>
<th>University Center Ballroom - Kiosk 23 Side A</th>
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<tr>
<td>High Functioning, Low Cost, 3D Printed Prosthetics</td>
<td>Reactive Oxygen Species, P53 and Caspase Activation of Apoptosis in SUM 159 Breast Cancer Cells</td>
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<td>Andrew Rhodes, Presbyterian College</td>
<td>Rilda Duron, Talladega College</td>
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<td>Pancreatic Islet Encapsulation with a Peptide Amphiphile Nanomatrix Gel for Pancreatic Islet Transplantation</td>
<td>The Effect of Nicotine on Ovarian Cancer Cells</td>
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<td>Jacob Garcia, University of Alabama at Birmingham</td>
<td>Jay Kumar, University of Toledo</td>
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<td>Variation of Hydrogels for Use in the 3D Bioprinting of Artificial Organs and Tissues</td>
<td>Voltage-Gated Sodium Channel Auxiliary Subunits</td>
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<td>Hannah Peters, Virginia Commonwealth University</td>
<td>Kimberly Meyberg, Kennesaw State University</td>
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<td>Informed But Overconfident? The Impact of Forecast Preparation on Trading Behaviors</td>
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<td>Trang Le, Augustana College</td>
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<td>Analysis of Migration in Phenylalanine Treated Cells</td>
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</tr>
<tr>
<td>Gabriel Rucci, University of Central Oklahoma</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 19 Side A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Methionine Sulfoxide Reductase Expression in Response to Anoxic Stress Conditions in D. Melanogaster</td>
<td></td>
</tr>
<tr>
<td>Evgeniya Rakitina, Florida Atlantic University</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 20 Side A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Effects of YAK1 and YPL247c on Energy Storage in Saccharomyces Cerevisiae</td>
<td></td>
</tr>
<tr>
<td>Alison Schneider, North Central College</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 21 Side A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>High-Throughput, Fluorescent Analysis of Reactive Oxygen Species in C. elegans After Knockdown of Mrck-1</td>
<td></td>
</tr>
<tr>
<td>Callista Brown, Salisbury University</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 22 Side A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Interaction Between the Yeast Gene, YDR132C, and Human P53 in Transgenic Strains Exposed to Caffeine and Aspirin</td>
<td></td>
</tr>
<tr>
<td>Arianna Medina, Dominican College</td>
<td></td>
</tr>
</tbody>
</table>
University Center Ballroom - Kiosk 21 Side B
Characterization of Salt Tolerant Accessions Within a Rice Diversity Panel Using Phenomic Approaches
Kendl Fischer, Arkansas State University

University Center Ballroom - Kiosk 22 Side B
Dielectrophoresis (DEP) at Mobile Bipolar Electrodes (BPEs)
Zihan Yang, Iowa State University

University Center Ballroom - Kiosk 23 Side B
Examining the Use of Copper Catalysis in Photoredox Reactions
Cheyloh Bluemel, Black Hills State University

University Center Ballroom - Kiosk 24 Side B
Influence of Hyperconjugative and Inductive Effects on the Acidity of Carboxylic Acids
Rebecca Rudisell, Indiana State University

University Center Ballroom - Kiosk 25 Side B
Negishi Coupling Reactions of Oxazolidinone-protected Amino Acids
Seth Springer, University of Nebraska at Kearney

University Center Ballroom - Kiosk 27 Side B
Spectroscopic Investigation of Copper Chloride Complexation in Subtractive Copper Etching for IC Packaging Application
Casey Love, Southeastern Oklahoma State University

University Center Ballroom - Kiosk 28 Side B
Synthesis and Characterization of a Series of First Row Transition Metal Ammine Complexes: An Undergraduate Laboratory Experiment
Devon Mobley, Georgia College and State University

University Center Ballroom - Kiosk 29 Side B
Synthesis of Quinone Methide Precursors as Acetylcholinesterase Reactivators
Sydney Sillart, Ohio State University

University Center Ballroom - Kiosk 30 Side B
The Study of Ligand Binding Events with the Use of Fluorescence Anisotropy
Caroline Donaghy, Appalachian State University

University Center Ballroom - Kiosk 17 Side B
Comparitive Analysis of Condition Ratings for North Carolina Highways
Danielle Troutman, North Carolina State University

University Center Ballroom - Kiosk 32 Side B
A Relational Perspective on Disordered Eating: Maladaptive Attachment Predicts Tendencies for Unhealthy Eating Attitudes
Liana Cho, Point Loma Nazarene University

University Center Ballroom - Kiosk 33 Side B
Consumer Health Knowledge: Does It Affect Quality of Life?
Tina Beahm, Adelphi University

University Center Ballroom - Kiosk 35 Side A
How Do Parent and Peer Relations Impact Attitudes Towards Heroin Use?
Maria Lusso, Moravian College

University Center Ballroom - Kiosk 36 Side A
Music and Emotion
Theresa Santos, Adelphi University

University Center Ballroom - Kiosk 37 Side A
Social Media Takeover: Exploring the Role of Attachment
Molly Moeller, University of Nebraska at Kearney

University Center Ballroom - Kiosk 38 Side A
What Do Adolescent Parents Need to Prevent Subsequent Teen Pregnancy? a Qualitative Inquiry into the Perspectives of South Carolina Service Providers
Echo Buffalo, College of Charleston

University Center Ballroom - Kiosk 36 Side B
Cell Death in the Hippocampus of Pigeons: A Window to Understanding Alzheimers
Natasha Flesher, Bowling Green State University

CIVIL ENGINEERING

CLINICAL PSYCHOLOGY

COGNITIVE NEUROSCIENCE
<table>
<thead>
<tr>
<th>Session Title</th>
<th>Location</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Poster Session 4 - Thu 3:00pm-4:00pm</td>
<td>University Center Ballroom - Kiosk 61 Side A</td>
<td>Graduation Rates at Colleges and Universities in the Midwest</td>
<td>Megan Seidman, North Central College</td>
</tr>
<tr>
<td><strong>COMMUNICATIONS</strong></td>
<td></td>
<td><strong>EDUCATION</strong></td>
<td></td>
</tr>
<tr>
<td>University Center Ballroom - Kiosk 40 Side B</td>
<td></td>
<td>University Center Ballroom - Kiosk 5 Side C</td>
<td>Using Project Based Learning to Teach Shaker History</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>University Center Ballroom - Kiosk 41 Side B</td>
</tr>
<tr>
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<td>University Center Ballroom - Kiosk 42 Side B</td>
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<td>University Center Ballroom - Kiosk 43 Side B</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>University Center Ballroom - Kiosk 44 Side C</td>
</tr>
<tr>
<td><strong>ELECTRICAL ENGINEERING</strong></td>
<td></td>
<td><strong>ECOLOGY &amp; ORGANISMAL BIOLOGY</strong></td>
<td></td>
</tr>
<tr>
<td>University Center Ballroom - Kiosk 17 Side C</td>
<td></td>
<td>University Center Ballroom - Kiosk 41 Side C</td>
<td>Assessment of American Eel, Anguilla rostrata (LeSueur), Population Characteristics in the Roanoke River, North Carolina, Above and Below a Migration Barrier</td>
</tr>
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<td>Evaluating the Effectiveness of Behavior Monitoring Applications in the Red Panda</td>
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<td>Sea vs Tree: Comparing Walking and Climbing Between Intertidal and Tree Crabs</td>
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<td>Thiamine Concentrations in Prey Fishes from Lake Ontario</td>
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<td><strong>ECONOMICS</strong></td>
<td></td>
<td><strong>ECOLOGY &amp; ORGANISMAL BIOLOGY</strong></td>
<td></td>
</tr>
<tr>
<td>University Center Ballroom - Kiosk 39 Side A</td>
<td></td>
<td>University Center Ballroom - Kiosk 42 Side C</td>
<td>Evaluating the Effectiveness of Behavior Monitoring Applications in the Red Panda</td>
</tr>
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</tr>
</tbody>
</table>
ENGINEERING/ENGINEERING TECHNOLOGY
University Center Ballroom - Kiosk 16 Side B
Applications of Linear LED Lighting Systems for Airport Taxiway Centerline Turnoffs
Wilson Flores, Ohio State University

University Center Ballroom - Kiosk 16 Side C
Reclaiming Ambient Energy for Portable Electronics: Reverse Electrowetting Energy Harvesting
Hanan Hsain, North Carolina State University

ENGLISH
University Center Ballroom - Kiosk 42 Side A
Flowers in the Attic: Looking at Use of Color Language in Literature
Bambi Shore, University of Wisconsin - La Crosse

ENVIRONMENTAL ENGINEERING
University Center Ballroom - Kiosk 17 Side A
Electric Fish Floating Recording Device
Bhavin Gandhi, University of Michigan

ENVIRONMENTAL STUDIES & SCIENCES
University Center Ballroom - Kiosk 43 Side A
Gastropod Fauna of the River North Esk and River South Esk, Dalkeith Country Park, Midlothian, Scotland
Lindsey Walker, University of Wisconsin - Whitewater

EXPERIMENTAL PSYCHOLOGY
University Center Ballroom - Kiosk 44 Side B
Academic Major and Gender Associations with Sleepiness in College Students
Bailey Christoforatos, The University of Virginia’s College at Wise

University Center Ballroom - Kiosk 47 Side B
Estimating the Prevalence of Homeless and Precariously Housed College Students.
Michael Williams, Wayne State University

University Center Ballroom - Kiosk 48 Side B
Impact of Gender and Age on Perceived Competency of Defense Attorneys
Ashley Machamer, Susquehanna University

University Center Ballroom - Kiosk 49 Side B
Mother-child Attachment: Subject Pronouns in Secure and Insecure Child Narratives.
Jennifer Zamudio, California State University - Long Beach

University Center Ballroom - Kiosk 50 Side B
Pledges or Pews?
Jessica Jones, Indiana State University

University Center Ballroom - Kiosk 51 Side B
The Impact of Altered Emotion Due to Sleep Deprivation on Risky Driving Behavior
Zachary Yount, University of West Florida

University Center Ballroom - Kiosk 52 Side B
The Effect of Musical Training on Working Memory
Rachel Dumke, Capital University

University Center Ballroom - Kiosk 53 Side B
The Need for TLC (Tender Loving Cellphone)
Dora Juhasz, University of Michigan

GEOGRAPHY & EARTH SCIENCES
University Center Ballroom - Kiosk 45 Side A
An Analysis of Human Perception of Black Bears in Relation to Distribution Changes
Nicole Foley, Carthage College

University Center Ballroom - Kiosk 47 Side A
Elevation and Mesoscale Temperature Variations
Nathan Crowdus, Western Kentucky University

University Center Ballroom - Kiosk 48 Side A
Increasing the Accuracy of Common Buckthorn (Rhamnus cathartica) and Glossy Buckthorn (Rhamnus frangula) Detection Efforts in Minnesota Using a Habitat Suitability Model
Peter Whitman, Carthage College

University Center Ballroom - Kiosk 49 Side A
Ocean – Atmosphere Influences on U.S. Tornado Variability
Tyler Mitchell, University of West Florida
Student Poster Session 4 - Thu 3:00pm-4:00pm

University Center Ballroom - Kiosk 50 Side A
The Effect of the Introduction of the Emerald Ash Borer on Woodpecker Population Dynamics in the Eastern United States
Marissa Hoffman, Stevenson University

University Center Ballroom - Kiosk 51 Side A
Water Quality Assessment of Deer Lakes County Park Before and After Unconventional Shale Gas Drilling
Daniel Robinson, Duquesne University

University Center Ballroom - Kiosk 58 Side A
Increasing Temperature Increases Ligament Laxity in the Ankle Joint
Stacey Chen, University of Evansville

University Center Ballroom - Kiosk 59 Side A
The Effects of 8 Weeks of Bio-active Peptide Supplementation on Training Adaptations in Recreational Male Weight Lifters
Pedro Zavala, University of Wisconsin - La Crosse

GRAPHIC DESIGN
University Center Ballroom - Kiosk 35 Side C
Pellet Fed 3D Printer
Zachary Machado, University of West Florida

HEALTH SCIENCES
University Center Ballroom - Kiosk 40 Side A
The Impact of Psychological Factors on Clinician-Versus Patient Perceptions of Function Among Individuals with Lumbar Spine Impairment Receiving Outpatient Rehabilitation
Madeline Tetzke, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 59 Side B
Balance Testing for Normally Aging Adults and People with Diabetic Peripheral Neuropathy Who Use Multifocal Eyeglasses
Stephanie Paly, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 60 Side B
Exercise Induced Blood Flow Patterns Changes Based on Exercise Intensity
Robert Pawlak, Indiana State University

HISTORY
University Center Ballroom - Kiosk 40 Side C
Hammurabi of Babylon’s Kingship, Conquest, and Legal Code
Patrick Gaughan, Westminster College

KINESIOLOGY & EXERCISE SCIENCE
University Center Ballroom - Kiosk 57 Side A
Differences in Body Consciousness and Social Physique Anxiety Between Female Hockey Players, Swimmers, And Actresses
Ivy Hickerson, Gustavus Adolphus College

University Center Ballroom - Kiosk 54 Side A
Modeling of Dispersion of Particles on Liquid Surface Using MATLAB
Nicholas Allicock, Kennesaw State University

University Center Ballroom - Kiosk 60 Side A
Supercapacitors from Recycled Industrial Mill Scale Waste
Nasim Abedelwahab, Lamar University
MICROBIOLOGY & IMMUNOLOGY
University Center Ballroom - Kiosk 32 Side A
Calcium Binding in the EF-Hand Protein, EfhP;
Regulating Calcium-Dependent Virulence in
Pseudomonas Aeruginosa
Rendi Rogers, Oklahoma State University

University Center Ballroom - Kiosk 34 Side A
Resistance-based Detection Kit for Pseudomonas
Aeruginosa Strains
Sameer Shaikh, Florida International University

PHILOSOPHY & ETHICS
University Center Ballroom - Kiosk 35 Side B
Essentialism and the Disordered Mind: A Critical
Examination of a Theory of Mental Illness
Vishnu Tiwari, City University of New York- Brooklyn
College

PHYSICS
University Center Ballroom - Kiosk 31 Side C
A Study of Photocatalytic Properties on Thin Layers of
Rutile and Anatase TiO2 Nanoparticles
Christian Ozburn, University of West Georgia

University Center Ballroom - Kiosk 32 Side C
Chua’s Circuit: Analyzing the Power Fluctuations in a
Non-equilibrium Chaotic System
Chris Carlson, George Mason University

MUSIC
University Center Ballroom - Kiosk 1 Side C
For Whom Do We Sing: Cataloguing and Analyzing the
Medieval Antiphonaries of Vendôme, France
Jonathan Bading, Hope College

NUTRITION
University Center Ballroom - Kiosk 34 Side B
SEH Deficiency and Proteinuria
Tory Frankel, University of Tennessee at Knoxville

NURSING
University Center Ballroom - Kiosk 54 Side B
Analysis of Tweet Links Associated with Electronic
Cigarettes
Jessica Bauer, Indiana University Purdue University
Indianapolis

University Center Ballroom - Kiosk 55 Side B
Does the Use of BIS Reduce Respiratory Complications
and Unwanted Early Emergence from Sedation in an
Adult ICU Population Requiring Sedation: An Integrative
Research Review
Edward Kemei, Lubbock Christian University

University Center Ballroom - Kiosk 56 Side B
Impact of Global Travel on Nursing Students
Abby McAnany, Baylor University

University Center Ballroom - Kiosk 58 Side B
The Effect of Medication, Diet, and Exercise Adherence
on Quality of Life in Adult Patients with Type Two
Diabetes
Daniel Deane, The University of Virginia’s College at
Wise

POLITICAL SCIENCE
University Center Ballroom - Kiosk 28 Side A
An Examination of the Impact of Historical Government
Development on the Rise of the European Welfare
State
Matthew Rishell, Susquehanna University
Student Poster Session 5 - Fri 9:00am-10:00am

PUBLIC HEALTH
University Center Ballroom - Kiosk 27 Side C
Clinton Global Initiative University: Lavatory Initiative
Ananya Bandyopadhyay, University of Alabama at Birmingham

Student Poster Session 5 - Fri 9:00am-10:00am

ANTHROPOLOGY
University Center Ballroom - Kiosk 2 Side A
Geophysical Investigations at the Heritage Valley Mound Site (13AM129) in Allamakee County, Iowa
Marshall Stay, Luther College

ARCHEOLOGY
University Center Ballroom - Kiosk 2 Side B
Defining the “Everyday”: 19th Century Slave Life in Western Tennessee
Claire Norton, Rhodes College

ARCHITECTURE & INTERIOR DESIGN
University Center Ballroom - Kiosk 2 Side C
Public Obligation of Art: A Comparison of Architectural Preservation and the Ownership of Art
Jenna Harbert, Oklahoma State University

ART HISTORY
University Center Ballroom - Kiosk 1 Side A
An Artist Who Painted the Wartime Sky
Beth Anderson, University of Central Oklahoma

University Center Ballroom - Kiosk 1 Side B
Nergal vs. Osiris- the Gods of Death in Ancient Egypt and Mesopotamia
Oliver Ellington, University of Central Oklahoma

ASTRONOMY
University Center Ballroom - Kiosk 3 Side B
Phase II Expansion of the Murchison Widefield Array
Rusty Mundorf, University of Wisconsin - Milwaukee

BEHAVIORAL NEUROSCIENCE
University Center Ballroom - Kiosk 3 Side C
Anxiety Related Behaviors in Juvenile T. Gondii Infected Mice
Ciarra Smith, Mississippi State University Shackouls Honors College

SOCIAL WORK
University Center Ballroom - Kiosk 25 Side C
Children of War: Mental Health Interventions with Syrian Refugees
Amanda Sloan, California University of Pennsylvania

SOCIOLOGY
University Center Ballroom - Kiosk 22 Side C
Conflict Strategies in the Parent-Adult Child Tie: Generation Differences and Implications for Well-being
Olga Van Bolt, University of Michigan

University Center Ballroom - Kiosk 24 Side C
The Sexual Objectification of Women in Hip Hop and the Effects on Identity
Mark Pettit, University of North Alabama

WOMEN, GENDER, AND SEXUALITY STUDIES
University Center Ballroom - Kiosk 20 Side C
Rioting Gender in Post-Soviet Russia: The Implications of Political and Doctrinal Rhetoric on Human Rights
Kaitlyn Clem, Duquesne University

University Center Ballroom - Kiosk 21 Side C
Simple Volunteers or Dignified Workers? : Women’s Roles in the War on Poverty and Community Action Programs
Kara Gustaveson, Elon University
University Center Ballroom - Kiosk 4 Side B
Implications of 5-HTT and DAT1 Genetic Polymorphisms on Social Anxiety and Stress Response
Parker Hughes, Weber State University

University Center Ballroom - Kiosk 4 Side C
Partial Reinforcement During Signaled Lever-press Avoidance Training Is Less Detrimental to Learning in Behaviorally Inhibited Wistar-Kyoto Rats Compared to Sprague Dawley Rats
Kelsy Nilles, Carthage College

University Center Ballroom - Kiosk 5 Side A
The Risky Allele: Associations Between a Serotonin Transporter Polymorphism, Novelty Seeking, Alcohol Use, and Drunk Driving in College Students
Carmen Roland, Georgia Gwinnett College

BIOCHEMISTRY
University Center Ballroom - Kiosk 5 Side B
Characterization and Partial Purification of an Inhibitory Factor Secreted by Bacillus anthracis and Aeromonas jandaei
Julia McCartney, North Central College

University Center Ballroom - Kiosk 5 Side C
Effects Of Anti-Prion Compounds On Autophagy And The Lysosome
Aryel Clarke, University of Rochester

University Center Ballroom - Kiosk 6 Side B
Molecular Dynamics Simulation to Investigate Stability of Amyloid-Amyloid and Amyloid-HCC Complexes in Alzheimer’s Disease
Ermin Tale, Wagner College

University Center Ballroom - Kiosk 6 Side C
Red-Emitting Firefly Luciferases for In Vivo Imaging
Catherine Florentine, Connecticut College

University Center Ballroom - Kiosk 7 Side A
Synthesis of Novel Cell-Penetrating Sequences with Selective Binding to Helix 69
Amer Abu-kwaik, Wayne State University

University Center Ballroom - Kiosk 7 Side B
Using Cross-species Protein Hybrids to Elucidate the Role of Replication Protein A in the Development of Huntington’s Disease
Laura Fischer, University of Iowa

BIOLOGY
University Center Ballroom - Kiosk 8 Side A
A Preliminary Comparison of Morphological Features of the Extinct Giant Aye-Aye (Daubentonia robusta) and Extant Aye-Aye (Daubentonia madagascariensis)
Taylor Nguyen, North Carolina State University

University Center Ballroom - Kiosk 8 Side B
Analysis of Gene Expression Changes in Response to Cold Stress in Maize Seedlings
Jia Tan, Hamline University

University Center Ballroom - Kiosk 8 Side C
Behavioral Control of Incipient Speciation in Heliconius Butterflies: The Role of Chemical and Visual Cues in Interspecific Mate Discrimination
Sylvia Durkin, Carleton College

University Center Ballroom - Kiosk 9 Side A
Case Study: Developing Primers and Sequencing Regions of HEXA Gene to Examine a Potential Misdiagnosis of Multiple Sclerosis
Madeline Reding, Hamline University

University Center Ballroom - Kiosk 9 Side B
Comparison of Pollinated vs. Non-pollinated Malus Domestica L. Apples in Orchards Within the Tropical Cloud Forest of San Gerardo De Dota, Costa Rica
Edgardo Luevano, Southern Nazarene University

University Center Ballroom - Kiosk 10 Side A
Evolutionary Origin and Functional Impact of the GHR Deletion
Hannah Calkins, State University of New York- Buffalo
<table>
<thead>
<tr>
<th><strong>University Center Ballroom - Kiosk 10 Side C</strong></th>
<th><strong>University Center Ballroom - Kiosk 13 Side C</strong></th>
</tr>
</thead>
</table>
| Functional Genomics of Somatosensory Neuron Signaling And Morphology  
Victoria Wright, Ithaca College | The Effects of DIO2 and DIO3 Expression on Seasonal Reproduction in a Seasonally Breeding Animal  
Hyejoo Kang, Minnesota State University, Mankato |

<table>
<thead>
<tr>
<th><strong>University Center Ballroom - Kiosk 11 Side A</strong></th>
<th><strong>University Center Ballroom - Kiosk 14 Side A</strong></th>
</tr>
</thead>
</table>
| Glucocorticoid Physiology and Trap-philia in White-crowned Sparrows  
Elizabeth Wenker, St. Mary's College of Maryland | The Effect of Smoke Exposure on the Germination of Native Plant Species of North America  
Ian Smith, Texas Tech University |

<table>
<thead>
<tr>
<th><strong>University Center Ballroom - Kiosk 11 Side B</strong></th>
<th><strong>University Center Ballroom - Kiosk 14 Side B</strong></th>
</tr>
</thead>
</table>
| Incorporating Magnetic Nanoparticles in Bovine Spermatozoa: Effects on Sperm Physiology and Cellular Localization  
Joseph Mozuch, University of Wisconsin - Whitewater | Assessment of the Efficacy and Ethicality of CRISPR-cas9 Germline Editing to Determine the Proper Legislative Course of Action in the United States  
Ryan Musselman, Virginia Commonwealth University |

<table>
<thead>
<tr>
<th><strong>University Center Ballroom - Kiosk 11 Side C</strong></th>
<th><strong>University Center Ballroom - Kiosk 14 Side C</strong></th>
</tr>
</thead>
</table>
| Investigating the Role of ß-nac on Stress Response in Saccharomyces cerevisiae  
Toma Matveeva, James Madison University | Immune Modulation of Electrospun Nanofibers Through Dendritic Cell Activation  
Namratha Potharaj, University of Washington, Seattle |

<table>
<thead>
<tr>
<th><strong>University Center Ballroom - Kiosk 12 Side A</strong></th>
<th><strong>University Center Ballroom - Kiosk 15 Side A</strong></th>
</tr>
</thead>
</table>
| Long Term Exposure of Bighead (Hypophthalmichthys nobilis) and Silver Carp (H. molitrix) to Broadband Sound  
Alayna Mackiewicz, University of Minnesota, Duluth | Perceptual Discrimination of Temporal Duration Based on Ongoing Motor Behavior  
Antarius Daniel, George Mason University |

<table>
<thead>
<tr>
<th><strong>University Center Ballroom - Kiosk 12 Side B</strong></th>
<th><strong>University Center Ballroom - Kiosk 19 Side B</strong></th>
</tr>
</thead>
</table>
| Moose Poop as a Resource to Understand Diet  
Lucas Fyle, College of Saint Benedict/ St. John’s University | One Hundred Dollars Now or A Half Million Dollars Later?  
Phuong Nguyen, Augustana College |

<table>
<thead>
<tr>
<th><strong>University Center Ballroom - Kiosk 12 Side C</strong></th>
<th><strong>University Center Ballroom - Kiosk 19 Side C</strong></th>
</tr>
</thead>
</table>
| Phenotypic Characterization of Sinorhizobium Sp. HM007-10 Bacteriophage HMSP-1  
Silvia Toledo, Hamline University, St. Paul | Beyond the ALS Ice Bucket Challenge: A Molecular Population Genomic Study of Amyotrophic Lateral Sclerosis and Frontotemporal Dementia in the Irish Population  
Leonie Dupuis, University of West Florida |

<table>
<thead>
<tr>
<th><strong>University Center Ballroom - Kiosk 13 Side B</strong></th>
<th><strong>University Center Ballroom - Kiosk 21 Side A</strong></th>
</tr>
</thead>
</table>
| Testing for an Association Between Wolbachia Bacterial Symbionts and Insecticide Resistance in Sand Fly Populations (Diptera: psychodidae)  
Cody Bills, Utah State University | Higher Binding Affinities of Daidzein to ERBa and ERBb Then to ERalpha in Three Estrogen Receptors in Teleost Fish  
Ruhani Agrawal, North Carolina State University |
Student Poster Session 5 - Fri 9:00am-10:00am

**University Center Ballroom - Kiosk 22 Side A**
Investigating the Role of Breast Tumor Kinase/protein Tyrosine Kinase 6 (Brk/PTK6) During Early Embryonic Development in Zebrafish
Samantha Foster, University of Alabama at Birmingham

**University Center Ballroom - Kiosk 23 Side A**
Regulation of Anti-Müllerian Hormone (AMH) Expression During Follicular Development
Emily Hayes, University of Rochester

**CELLULAR NEUROSCIENCE**

**University Center Ballroom - Kiosk 26 Side A**
Examination of Microglial Morphology in Prefrontal Cortex in a Mouse Model of Acute Ethanol Intoxication
Jordan Zezza, Susquehanna University

**University Center Ballroom - Kiosk 27 Side A**
Protein Replacement Therapy to Treat Neuronal Structural Defects Caused by Mutation of the Autism Risk Gene Pten
vanesa Walters, Florida Atlantic University

**CHEMICAL ENGINEERING**

**University Center Ballroom - Kiosk 16 Side A**
Epoxy Nanocomposites with Reduced Flamability Derived From Magnesium Hydroxide-Melamine Polyphosphate Hybrids
Alexandra Galaska, University of Tennessee at Knoxville

**University Center Ballroom - Kiosk 18 Side C**
Enthalpic Effects of Chain Length and Unsaturation on Water Permeability Across Droplet Bilayers of Homologous Monoglycerides
Maria Lopez, Iona College

**University Center Ballroom - Kiosk 20 Side B**
Acesulfame K in Simulated Waste Water Treatment
brandon lengel, University of Wisconsin - Whitewater

**University Center Ballroom - Kiosk 21 Side B**
Cobalt-Catalyzed Hydroboration of 1,3-(E)-dienes
Milauni Mehta, Ohio State University

**University Center Ballroom - Kiosk 22 Side B**
Discovery of Amino Acid Bioisosteres That Are Transported by the LAT1 Protein for Use in Drug Delivery
Andrew Flint, University of Nebraska at Kearney

**University Center Ballroom - Kiosk 23 Side B**
Fabrication of Transparent Conducting Thin Films of Layer Exfoliated NaSn2As2
Dominic Ross, Ohio State University

**University Center Ballroom - Kiosk 24 Side B**
Inorganic and Organometallic Palladium Complexes of Curcuminoids: Synthesis and Assessment of Potential Biological Properties
Joshua Christensen, University of Wisconsin - La Crosse

**University Center Ballroom - Kiosk 25 Side B**
New Karplus Equations for Conformational Analysis of Monosaccharides and Acetylated Derivatives
Stephen Do, University of the Pacific

**University Center Ballroom - Kiosk 26 Side B**
Progress Toward the Synthesis of Near-Infrared Firefly Luciferin
Leah Salituro, Connecticut College

**University Center Ballroom - Kiosk 27 Side B**
Structural and Energetic Properties of Pyridine - HCl Complexes Via Computations and IR Spectroscopy
Camilla Soares, University of Wisconsin - Eau Claire

**University Center Ballroom - Kiosk 29 Side B**
Synthesis of Sulfonamide Alcohol Ligands for Use as Organocatalysts in Ring Opening Polymerization Reactions
Grant Benthin, Luther College

**University Center Ballroom - Kiosk 30 Side B**
The Synthesis of Biphenyl 6-Aryldibenzo[b,d]pyrylium Salts
Carly Goedhart, University of Wisconsin - Eau Claire
CIVIL ENGINEERING

University Center Ballroom - Kiosk 17 Side B
Dynamic Mechanical Characterization of Micorscale Fibers and Thin Films
Darren Foster, University of Tennessee at Knoxville

CLINICAL PSYCHOLOGY

University Center Ballroom - Kiosk 32 Side B
A Study of Attachment and Mental Health: Mother, Father, and Sibling and Depression, Anxiety, and Distress Disclosure
Erin Ramsey, Southern Nazarene University

University Center Ballroom - Kiosk 33 Side B
Defining Factors of Socioeconomic Status as It Predicts ADHD Risk
Erin O’Quinn, Mississippi St Univ-Shackouls Honors Col

University Center Ballroom - Kiosk 35 Side A
In the Education Gap: The Effects of Early Childhood Education on College Students
Chelsey Perez, Dominican University of California

University Center Ballroom - Kiosk 36 Side A
Parent Affect and Child Autonomic Regulation in Childhood Attention-deficit/hyperactivity Disorder (ADHD)
Yulie Lugo, Florida International University

University Center Ballroom - Kiosk 37 Side A
Stressful or Traumatic Events and Self-Concept Among College Women
Ashley McGar, University of Kentucky

University Center Ballroom - Kiosk 38 Side A
Youth Gang Involvement: The Impact of Depression, Anxiety, and Hostility
Mark Jones, Capital University

COGNITIVE NEUROSCIENCE

University Center Ballroom - Kiosk 37 Side B
Replay of Episodic Memories in the Rat
Christina Sluka, Indiana University

COMMUNICATIONS

University Center Ballroom - Kiosk 38 Side B
Arguing About Racism: The Problem of Essentially Contested Concepts
Michele Hau, Ithaca College

University Center Ballroom - Kiosk 39 Side B
One Step Ahead
Cassandra Morthera, University of Minnesota - Crookston

COMPUTER SCIENCE

University Center Ballroom - Kiosk 19 Side A
Software for Rapid Prototyping and Simulation of Quantum Cryptographic Protocols
John Rocco, Iona College

University Center Ballroom - Kiosk 36 Side C
Application of Supervised Deep Learning to Hyperspectral Bathymetry Problem with TensorFlow
Aviel Stein, Susquehanna University

University Center Ballroom - Kiosk 38 Side C
Interactive Search with Probabilistic Graphical Models
Austin Hartline, Milwaukee School of Engineering

ECOLOGY & ORGANISMAL BIOLOGY

University Center Ballroom - Kiosk 41 Side C
Autecology of the Northern Water Snakes: Microhabitat Use and Habitat Associations in Southeastern Massachusetts
Jacqueline Toomey, Bridgewater State University

University Center Ballroom - Kiosk 42 Side C
Examining How Landscape Permeability Affects the Movement of a Terrestrial Salamander
Rachel Snyder, Susquehanna University

University Center Ballroom - Kiosk 43 Side C
Phenotypic Change in Sweetgrass(Muhlenbergia sp.) as a Result of Soil Composition
Daniel Castillo, The Citadel
Student Poster Session 5 - Fri 9:00am-10:00am

University Center Ballroom - Kiosk 44 Side A
Transit Rate of Food in Germ-Free and Germ-Typical American Cockroaches
Mady Herrmann, Ohio State University

ECONOMICS
University Center Ballroom - Kiosk 41 Side A
Water Quality Policy Implications and Funding Opportunities
Caitlin Delaney, University of Connecticut

EDUCATION
University Center Ballroom - Kiosk 41 Side B
Child Life 901: Creating Valuable Community Contributors
Anna Marsh, University of Memphis

University Center Ballroom - Kiosk 42 Side B
Franklin Delano Roosevelt’s Historical Representation Within Trade Books
Megan Lindsay, Eastern Illinois University

University Center Ballroom - Kiosk 43 Side B
Museum Memories: Interaction with Museum Objects Create Lasting Impressions
Rebeka Wermeling, North Central College

ELECTRICAL ENGINEERING
University Center Ballroom - Kiosk 17 Side C
Correlation of Myoelectric Signals with Hand Gestures
Kyle Johnson, Western Carolina University

University Center Ballroom - Kiosk 18 Side A
Hardware Trojans in Autonomous Systems
Tracy Lin, University of Alabama at Birmingham

University Center Ballroom - Kiosk 18 Side B
Studying Graph Traversal Performance For Node Pre-Processing Versus Runtime Node Processing
Asaph Matheus Barbosa, Oklahoma State University

ENGINEERING/ENGINEERING TECHNOLOGY
University Center Ballroom - Kiosk 16 Side B
Design Optimization of Disposable Coffee Cups
Angel Chukwu, East Carolina University

University Center Ballroom - Kiosk 16 Side C
Repeatable and Reproducible High Strain Organic Strain Sensor
Mohammad Abbas, University of Texas at Dallas

ENVIROMENTAL ENGINEERING
University Center Ballroom - Kiosk 17 Side A
Iron Cross-linked Alginate Beads for Removing Phosphate from Wastewater and Storm Runoff and Their Reuse
Heather Yelle, North Dakota State University (Nlt)

ENVIROMENTAL STUDIES & SCIENCES
University Center Ballroom - Kiosk 43 Side A
Identifying Heart Rate Anomalies in Deep Diving Marine Mammals
Michael Jeffko, United States Coast Guard Academy

EXPERIMENTAL PSYCHOLOGY
University Center Ballroom - Kiosk 44 Side B
Adolescents and Altruism
Sarah Pringer, Webster University

University Center Ballroom - Kiosk 45 Side B
College Students Judgments of Professors Personalities: Do Personality Judgments Change During a Class?
Bryan Long, Dominican University of California

University Center Ballroom - Kiosk 46 Side B
Do Baseline Falls Predict Motor Vehicle Collisions Over Time in Older Drivers? A Longitudinal Investigation of Falls and Collisions from the Maryland Driving Study
Meghana Gaini, University of Alabama at Birmingham

University Center Ballroom - Kiosk 47 Side B
Examination of the Relationship Between Infant Neurodevelopmental Status and Parental Visitation and Involvement in a Neonatal Intensive Care Unit
Jessica Tucci-Herron, East Carolina University

University Center Ballroom - Kiosk 48 Side B
Inequality in Early Social Development: The Effects of Income on Infants’ Processing of Emotion in Bodies
Michelle Tarn, University of Kentucky
<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 49 Side B</th>
<th>University Center Ballroom - Kiosk 48 Side A</th>
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<tbody>
<tr>
<td>mPFC Inhibition and Self-Reflective Processing in an Animal Model of Depression</td>
<td>Inferring Early Eocene Climate in the Northern Rockies from Carbon Isotopes and Iron Concentration</td>
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<tr>
<td>Anna Miller, University of Wisconsin - River Falls</td>
<td>Julia Derringer, University of Michigan</td>
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<th>University Center Ballroom - Kiosk 50 Side B</th>
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<tr>
<td>Predicting “Oops” Errors: Individual Differences in Cognitive Flexibility Predict Performance in a Sustained Attention to Response Task</td>
<td>Physiographic Provinces Help Us to Predict Brook Trout Populations</td>
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<tr>
<td>Jasmine Dang, George Mason University</td>
<td>Tia Kissinger, Susquehanna University</td>
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<th>University Center Ballroom - Kiosk 51 Side B</th>
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<tr>
<td>Social Media and Depressive Symptomatology</td>
<td>The Effects of Urbanization on Nitrogen Processing in Urban Streams</td>
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<tr>
<td>Ned Katz, University of Kentucky</td>
<td>Peter Francissen, Augustana College</td>
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<th>University Center Ballroom - Kiosk 52 Side B</th>
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<tr>
<td>The Effect That Personal Sharing Has on Course Evaluations</td>
<td>Water Quality for Human and Environmental Health in The Gambia</td>
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<td>Monica Cardenas, Dominican University of California</td>
<td>Shyleen Frost, University of Illinois at Springfield</td>
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<td>The Relationship Between Brain Structure and Educational Achievement in a Longitudinal Sample of High-risk Adults</td>
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<td>Senuri Rauf, University of Minnesota, Twin Cities</td>
<td>Monica Cardenas, Dominican University of California</td>
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<tr>
<td>An Oligocene-Eocene Limestone in Big Bend Ranch State Park, Texas</td>
<td>The Relationship Between Brain Structure and Educational Achievement in a Longitudinal Sample of High-risk Adults</td>
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<td>Stephanie Elmore, Sul Ross State University</td>
<td>Senuri Rauf, University of Minnesota, Twin Cities</td>
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<th>University Center Ballroom - Kiosk 46 Side A</th>
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<tr>
<td>Coal Ash Wastescape: Designed Remediation of Chesterfield Power Station’s Coal Ash Ponds</td>
<td>The Effect of Acute Exposure to Ambient Particulate Matter Air Pollution on Arterial Stiffness in Older Adults</td>
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<td>Lauren Delbridge, Virginia Polytechnic Institute &amp; State University</td>
<td>Robert Coffman, University of Utah</td>
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<th>University Center Ballroom - Kiosk 47 Side A</th>
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<td>Dredging Land Reclamation Causing Mucus Development in Massive Spherical Corals in the Spratly Islands, South China Sea: The Effects on China’s Fishing Industry</td>
<td>Balance Testing for Normally Aging Adults and People with Diabetic Peripheral Neuropathy Who Use Multifocal Eyeglasses</td>
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<td>Tiffany Ho, Virginia Commonwealth University</td>
<td>Judy Kattan, University of Wisconsin - Milwaukee</td>
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<td>Donna Hartley, Westmoreland County Community College</td>
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<td>Feel The Burn: Buning Mouth Syndrome</td>
<td>Maintaining the Standards of the Education of Junior Doctors</td>
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<td>Donna Hartley, Westmoreland County Community College</td>
<td>McKenna Reiter, Virginia Commonwealth University</td>
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<td>History</td>
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<td>Interdisciplinary Studies</td>
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<td>Mathematics</td>
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<td>Law &amp; Legal Studies</td>
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<td>Management</td>
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**HISTORY**

University Center Ballroom - Kiosk 40 Side C

How Did the Historical and Social Changes in 20th Century Wisconsin Result in the Changing Views of the Pit Bull Terrier Breed of Dog?

Alex Bull, University of Wisconsin - Whitewater

**INTERDISCIPLINARY STUDIES**

University Center Ballroom - Kiosk 62 Side A

Human Trafficking: Putting a Price Tag on Human Dignity in the Trajectory of the Early 20th Century

Jenny Hwang, Lone Star College System The Honors College

**KINESIOLOGY & EXERCISE SCIENCE**

University Center Ballroom - Kiosk 57 Side A

Drinking Away the Pain: Exploring the Relation Between Depression and Alcohol Consumption Among Men and Women

Isaiah Stewart, Miami University

University Center Ballroom - Kiosk 58 Side A

Influence of Age Difference on Alcohol Use Within Couples

Jourdan Greenlee, Miami University

University Center Ballroom - Kiosk 59 Side A

The Effects of a Shoulder Stretching and Strengthening Intervention on Shoulder Benchmarks and Disability in Collegiate Softball Players

Brianne Kimura, Florida International University

**LAW & LEGAL STUDIES**

University Center Ballroom - Kiosk 3 Side A

Human Rights Treaty Origins Travaux Project

Lena Dreves, University of Michigan

**MANAGEMENT**

University Center Ballroom - Kiosk 15 Side B

A Study of Selective Incivility and Perceived Norms for Respect

Ebony Forslund, University of Illinois at Springfield

**MARKETING**

University Center Ballroom - Kiosk 15 Side C

Not Every Online Review/Rating Is Created Equally...

How Do Online Reviews and Ratings Affect the Firm’s Reputation?

Oanh Nguyen, University of Central Oklahoma

**MATHEMATICS**

University Center Ballroom - Kiosk 55 Side A

Auctions on Advertisements

Tykeena Watson, Fisk University

University Center Ballroom - Kiosk 56 Side A

Mathematical Model of Alzheimer’s Disease with Inhibitory Drugs

Richard Leonard, III, Mississippi St Univ-Shackouls Honors Col

**MECHANICAL ENGINEERING**

University Center Ballroom - Kiosk 53 Side A

Heat Transfer Model for Estimation of Thermal Contraction in Fused Deposition Manufactured ABS Parts

Mario Ng, Technological University of Panama

University Center Ballroom - Kiosk 54 Side A

MR Fluid and the Effects of Temperature

James Bishop, Western Carolina University

University Center Ballroom - Kiosk 56 Side A

The Experimental Investigation of Temperature Influence on the Oscillations of Particles on Liquid Surfaces

Daniel Shah, Kennesaw State University

**MICROBIOLOGY & IMMUNOLOGY**

University Center Ballroom - Kiosk 32 Side A

Chimeric PD1-Expressing T Cells as a Potential Treatment for Pancreatic and Kidney Cancers

Geoffrey Parriott, Longwood University
NUTRITION
University Center Ballroom - Kiosk 34 Side B
The Effects of a Ketogenic Diet on Body Composition in Female Resistance Training Athletes
Marissa Stehly, University of Wisconsin - La Crosse

PHILOSOPHY & ETHICS
University Center Ballroom - Kiosk 35 Side B
The Holistic, Patient-focused Approach, the Needed Improvement in American Medicine.
Divya Dasani, Siena College

PHYSICS
University Center Ballroom - Kiosk 31 Side C
A Toxicology and Characterization Study of Microplastics
Amy Parker, Ithaca College

University Center Ballroom - Kiosk 32 Side C
Continued Development of 3D Printed Physics Tactile Objects for Science Accessibility
Christopher Marshall, University of Wisconsin - Whitewater

University Center Ballroom - Kiosk 33 Side C
Exploring Optimal Thermocouples for Use in Cryobiology
Nicholas Bray, Eastern Washington University

University Center Ballroom - Kiosk 34 Side C
Phase Diagram of a Quantum Ising Model with Long-Range Interactions
David Smith, University of West Florida

PHYSIOLOGY
University Center Ballroom - Kiosk 30 Side A
Can Thermal Imaging Noninvasively Detect the Copulation Date in Captive Female 13-lined Ground Squirrels?
Cassandra Duncan, University of Wisconsin - Oshkosh

University Center Ballroom - Kiosk 31 Side A
Spironolactone in Doberman Pinschers with Congestive Heart Failure Due to Dilated Cardiomyopathy
Andrew Laskary, University of Guelph
Student Poster Session 5 - Fri 9:00am-10:00am

POLITICAL SCIENCE
University Center Ballroom - Kiosk 28 Side A
Communities That Vote: Can Legal Reforms and Election Administration Policies Influence Turnout in Low-income Communities?
Isaac Leonhardi, St. Olaf College

PUBLIC HEALTH
University Center Ballroom - Kiosk 27 Side C
Cocooning as a Method to Reduce Pertussis in Infants and Young Children in Nigeria
Annapoorani Narayanan, Virginia Commonwealth University

University Center Ballroom - Kiosk 28 Side C
Health Disparities Among Arab Americans in Michigan: Results from the 2013 Arab Behavioral Risk Factors Survey
Abbass Berjaoui, Wayne State University

WOMEN, GENDER, AND SEXUALITY STUDIES
University Center Ballroom - Kiosk 20 Side C
Frosty Car Windows: A Microhistory of the Effects of Cold War Propaganda on the Depiction of Young American Women, Specifically LuAnne Henderson
Alexandria Quigley, Westminster College

University Center Ballroom - Kiosk 21 Side C
The Condition of Indigenous Women in the Andean Region
Jaya Minhas, Albright College

SOCIAL WORK
University Center Ballroom - Kiosk 25 Side C
Early Risk Behaviors as Indicators of Rural Women’s High-risk Drug Use
Martha Tillson, University of Kentucky

SOCIOLOGY
University Center Ballroom - Kiosk 22 Side C
Correlation Between the Prevalence of Type 2 Diabetes and Food Insecurity in Black Communities
Rachel Farthing, Spelman College

RELIGIOUS STUDIES
University Center Ballroom - Kiosk 26 Side C
Martin Luther and the Printing Press: How the Distribution of Information Affected the Reformation in Germany
Katherine Kucko, North Central College

WORLD LANGUAGES
University Center Ballroom - Kiosk 31 Side B
Le Commandant Chaka: A Translation and Reflection
Emese Chmielewski, Capital University

University Center Ballroom - Kiosk 23 Side C
Humans of Color: Portrayals of Minorities and People of Color in Humans of New York
Greer Meagher, Virginia Commonwealth University

University Center Ballroom - Kiosk 24 Side C
The Significance of Story
Mallory Spangler, John Brown University
<table>
<thead>
<tr>
<th>Session 6</th>
<th>Fri 12:00pm-1:00pm</th>
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<tbody>
<tr>
<td><strong>BEHAVIORAL NEUROSCIENCE</strong></td>
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<tr>
<td>Behavioral Action Tendencies Are Sensitive to Fear and Extinction Learning in Children</td>
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<td>Aneesh Hehr, Wayne State University</td>
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<td><strong>ANTHROPOLOGY</strong></td>
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<td>Grab Her by the Pint Glass: Sex, Beer, and the Foundation of a Rape Culture</td>
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<td>Amber Georgakopoulos, University of Wisconsin - Stout</td>
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<td><strong>ARCHEREOLOGY</strong></td>
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<td>Determination of the Optimal Conservation Treatment for Waterlogged Leather and Botanical Remains</td>
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<td>Sara Fordyce, University of West Florida</td>
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<td><strong>ARCHITECTURE &amp; INTERIOR DESIGN</strong></td>
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<td>Retrofitting Sidewalks in Suburban Neighborhoods: Lessons from Ithaca, New York</td>
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<td>Aaron Ong, Cornell University</td>
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<td><strong>ART HISTORY</strong></td>
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<td>Cries for Freedom: An Explanation of the Political and Artistic Statements That Personify Germany</td>
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<td>Chelsea Olms, Ohio State University</td>
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<td>Reviving the Lost Murals of Revolutionary Nicaragua</td>
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<td>Leah Williams, Albright College</td>
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<td><strong>BIOCHEMISTRY</strong></td>
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<td>Characterization of Amino Acids Critical to Alpha-Glycerophosphate Oxidase Catalysis</td>
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<td>Alma Plaza-Rodriguez, Western Carolina University</td>
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<td>Effects of Cis- and Trans-unsaturated Lipids on Water Permeability and Activation Energy</td>
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<td>Alessandra Armetta, Iona College</td>
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<td>University Center Ballroom - Kiosk 3 Side A</td>
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<tr>
<td>Analysis of Close Binary Stars Using the Dark Energy Camera</td>
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<td>Alison Crisp, Christian Brothers University</td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 3 Side B</strong></td>
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<tr>
<td>RR Lyrae Stars in the Globular Cluster NGC 1261</td>
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</tr>
<tr>
<td>Adam Shelvik, University of Wisconsin - Oshkosh</td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 6 Side A</strong></td>
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<tr>
<td>Hydrocarbon Intercalants in the Lipid Bilayer: Effect on Water Permeability</td>
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<tr>
<td>Alyssa Marie Gayapa, Iona College</td>
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</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 6 Side B</strong></td>
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<tr>
<td>Mutational and Biochemical Analysis of Isoprenylcysteine Carboxyl Methyltransferase</td>
<td></td>
</tr>
<tr>
<td>Sahej Bains, Purdue University Main Campus</td>
<td></td>
</tr>
</tbody>
</table>
University Center Ballroom - Kiosk 7 Side A  
Monica Reece, Western Carolina University

University Center Ballroom - Kiosk 7 Side B  
**Virtual Drug Screening for Novel Inhibitors of D-alanine Ligase in Listeria monocytogenes**  
Amy Zhou, University of Texas at Austin

University Center Ballroom - Kiosk 7 Side C  
Monica Reece, Western Carolina University

University Center Ballroom - Kiosk 7 Side B  
**Virtual Drug Screening for Novel Inhibitors of D-alanine Ligase in Listeria monocytogenes**  
Amy Zhou, University of Texas at Austin

University Center Ballroom - Kiosk 12 Side A  
**Finding Novel Inhibitors of 6-phosphogluconate-dehydrogenase of Leishmania Major Through Virtual Screening**  
Laura Luo, University of Texas at Austin

BIOLOGICAL ENGINEERING  
University Center Ballroom - Kiosk 7 Side C  
**Proof-of-concept Study for Rapid Detection of Zika Viral RNA Via DNA Biosensor**  
Haley Dylewski, University of Tennessee at Knoxville

BIOLOGY  
University Center Ballroom - Kiosk 8 Side A  
**A Study of the Antioxidant and Caffeine Content in Tea**  
Amanda Ehlert, Carthage College

University Center Ballroom - Kiosk 8 Side B  
**Anthelmintic Resistance in Equine Strongylidae of Eastern Washington**  
Samantha Ayotte, Eastern Washington University

University Center Ballroom - Kiosk 8 Side C  
**Behavioral Syndromes and Sex Specificity in the Siberian Dwarf Hamster**  
Janelle Harter, Ithaca College

University Center Ballroom - Kiosk 9 Side A  
**Characterization of a Widely Distributed Fish Parasite Crepidostomum cooperi (Trematoda: Allocreadiidae) Using Morphology and Molecular Data**  
Boris Semnic, St. Norbert College

University Center Ballroom - Kiosk 9 Side B  
**Complex Effects of Cadmium Toxicity Revealed with the Fruit Fly Model**  
Hannah Stratton, Kennesaw State University

University Center Ballroom - Kiosk 9 Side C  
**DNA Extraction and PCR Techniques – the Methodology Behind Studying Multiple Paternity in the Atlantic Sharpnose Shark (Rhizoprionodon terraenovae)**  
Sarah Speed, University of West Florida

University Center Ballroom - Kiosk 10 Side A  
**Effects of PCN on Cognition and Motor Function in HAPP-Overexpressing Mice**  
Yujie Ding, University of Kentucky

University Center Ballroom - Kiosk 10 Side B  
**Examining the Effects of Natural Dietary Supplements on Fat Metabolism in the Fruit Fly, Drosophila Melanogaster**  
Anne Groover, California University of Pennsylvania

University Center Ballroom - Kiosk 10 Side C  
**Functional Studies of Viral and Host Cell Factors Involved in Regulation of the Replication and Pathogenesis of Human and Animal RNA Viruses**  
Bravada Hill, College of Charleston

University Center Ballroom - Kiosk 11 Side A  
**HIV Prevalence in Urban and Rural Counties in the U.S**  
Nnenna Ifeanyi, Xavier University

University Center Ballroom - Kiosk 11 Side B  
**Is Regeneration of Zebrafish Tail Fins Different in a Stressful Environment?**  
Heather Mason, California University of Pennsylvania

University Center Ballroom - Kiosk 11 Side C  
**Male Parental Involvement in the Replication and Pathogenesis of Human and Animal RNA Viruses**  
Bravada Hill, College of Charleston

University Center Ballroom - Kiosk 12 Side A  
**Characterization of a Widely Distributed Fish Parasite Crepidostomum cooperi (Trematoda: Allocreadiidae) Using Morphology and Molecular Data**  
Boris Semnic, St. Norbert College

University Center Ballroom - Kiosk 12 Side B  
**Mutational Positional Effects on Root Variation in Arabidospsis thaliana**  
Quinten Meadors, College of Charleston

University Center Ballroom - Kiosk 12 Side C  
**Photobiomodulation Therapy and KCN Exposure on Cytochrome C Oxidase in Drosophila Melanogaster Brain**  
Jedidiah Barton, Viterbo University
Student Poster Session 6 - Fri 12:00pm-1:00pm

University Center Ballroom - Kiosk 13 Side A
Regulation of Cell Adhesion Molecules by AMPK Activation
Samantha Hiller, Wingate University

University Center Ballroom - Kiosk 13 Side B
Testing Predictions About the Evolutionary Ecology of Capsaicin: Birds Might Not Like It Hot!
Aileen Wolk, Maryville University of Saint Louis

University Center Ballroom - Kiosk 13 Side C
The Effects of Ethnic vs. Non-Ethnic Music/Dancing on the Memory of Parkinson’s Disease Patients
Maria Camila Osorio Granda, Macaulay Honors College at Brooklyn

University Center Ballroom - Kiosk 14 Side A
Trade-off Between Survival and Reproduction for Female Beetles: How Is Death-feigning and Mate Search Mediated by the Number of Previous Mates?
Evan Blanford, University of Kentucky

BIOMEDICAL ENGINEERING
University Center Ballroom - Kiosk 14 Side C
Injection-seeded Raman Fiber Amplifier for Photoacoustic Microscopy of Lipids
Sang Won Choi, Union College

University Center Ballroom - Kiosk 15 Side A
Phantom Brain for Infrared Neuroimaging
Madison James, Oklahoma State University

BUSINESS/FINANCE/ACCOUNTING
University Center Ballroom - Kiosk 19 Side A
Developing A Change Management Model to Coach Employees
Kelly Valente, State University of New York-Brockport

CELL & MOLECULAR BIOLOGY
University Center Ballroom - Kiosk 19 Side C
Blackseed (Nigella sativa) Oil and Its Active Ingredient, Thymoquinone, Suppress the Aggressive Phenotype of Breast Cancer Cells
Safia Siddiqui, Elmhurst College

University Center Ballroom - Kiosk 20 Side A
Exploring Protein Kinase C Interactions Within the Filamentous Fungal Polarized Growth Network
Zainab Atiq, Rhodes College

University Center Ballroom - Kiosk 21 Side A
hiPSC-induced Cardiomyocytes Maturation
Di Xia, University of Florida

University Center Ballroom - Kiosk 23 Side A
Regulation of Steroid Sulfatase in the NIH-3T3 Fibroblast Cell Line by Glucocorticoids and LPS
Christina Bennett, Duquesne University

CELLULAR NEUROSCIENCE
University Center Ballroom - Kiosk 25 Side A
Are Hypothyroidism-induced Reductions in Brain Derived Igf1 Due to Reductions in Serum Growth Hormone?
Alec Wright, Minnesota State University, Mankato

University Center Ballroom - Kiosk 26 Side A
FAM171B mRNA Expression in the Brain
Brooke Jones, Minnesota State University, Mankato

University Center Ballroom - Kiosk 27 Side A
Reciprocal Effects Of Glymphatic Function And The Experimental Autoimmune Encephalomyelitis (EAE) Model Of Multiple Sclerosis
Hanna Vinitsky, University of Rochester

CHEMICAL ENGINEERING
University Center Ballroom - Kiosk 16 Side A
Evaluation of Sugar Utilization Pathways in the Extremely Thermophilic Plant Biomass Degrading Bacterium caldicellulosiruptor bescii
Nathaniel Seals, North Carolina State University

CHEMISTRY
University Center Ballroom - Kiosk 18 Side C
Quantitative Raman Microspectroscopy at Nanoliter Aqueous Microdroplets
Samuel Braziel, Iona College
Student Poster Session 6 - Fri 12:00pm-1:00pm

**CLINICAL PSYCHOLOGY**

**University Center Ballroom - Kiosk 32 Side B**  
Addressing Disparities Through a Mental Health First Aid Program in a Latinx Community  
Keegan Edgar, Virginia Commonwealth University

**University Center Ballroom - Kiosk 33 Side B**  
Dimensions of Spirituality and African-American Male College Student Achievement  
Guilise Gondre, Adelphi University

**University Center Ballroom - Kiosk 36 Side A**  
Parenting, Emotion Socialization Strategies, and Children’s Conduct Problems  
Samantha Shay, Adelphi University

**University Center Ballroom - Kiosk 37 Side A**  
The Effectiveness of Housing First on Homeless, Mentally Ill Individuals  
Melissa Farsang, Adelphi University

**University Center Ballroom - Kiosk 38 Side B**  
Young Adult Problem Gambling and Alcohol Use: Personality, Physical and Emotional Health, and Gambling Beliefs  
James Whelan, Hamline University, St. Paul

**COGNITIVE NEUROSCIENCE**

**University Center Ballroom - Kiosk 36 Side B**  
Does Conditional Tau KO Decrease Pathologic Alpha-synuclein Accumulation and Prevent Behavioral Deficits in Mice?  
Aseel Dib, University of Alabama at Birmingham

**University Center Ballroom - Kiosk 37 Side B**  
Researching the Effects of Passive and Active Movement on Level of Activity in 8-11 Month Old Infants’ Prefrontal Lobe  
Suzanne Zuckerman, Ithaca College

**COMMUNICATION SCIENCES AND DISORDERS**

**University Center Ballroom - Kiosk 35 Side C**  
Changes in Grammatical Accuracy in Narrative Retells by Children With Specific Language Impairment Following Recast Intervention  
Crystal Gray, Augustana College
<table>
<thead>
<tr>
<th><strong>COMMUNICATIONS</strong></th>
<th><strong>ECONOMICS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>University Center Ballroom - Kiosk 40 Side B</td>
<td></td>
</tr>
<tr>
<td><strong>What It Takes for Shy Japanese People to Build Close Relationships?</strong></td>
<td></td>
</tr>
<tr>
<td>Kohei Oki, Musashino University</td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 24 Side C</strong></td>
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</tr>
<tr>
<td><strong>Implementing Semi-Autonomous Robotics on a Hexapod Platform</strong></td>
<td></td>
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<tr>
<td>Brooke Kennedy, Bellarmine University</td>
<td></td>
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<tr>
<td><strong>COMPUTER SCIENCE</strong></td>
<td><strong>EDUCATION</strong></td>
</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 37 Side C</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Determining the Net Traffic at the Entrance of a Honeybee Hive</strong></td>
<td></td>
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<td>Gurney Buchanan, Appalachian State University</td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 38 Side C</strong></td>
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<tr>
<td><strong>Internet of Things Lock Box</strong></td>
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</tr>
<tr>
<td>Spencer Gowin, University of Nebraska at Kearney</td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 39 Side C</strong></td>
<td></td>
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<tr>
<td><strong>Technological Solution: Apply Musicology to Helping Alzheimer’s Patients</strong></td>
<td></td>
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<tr>
<td>Yichen Wei, University of Minnesota, Duluth</td>
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<tr>
<td><strong>ECOLOGY &amp; ORGANISIMAL BIOLOGY</strong></td>
<td><strong>COMPUTER ENGINEERING</strong></td>
</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 42 Side C</strong></td>
<td></td>
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<tr>
<td><strong>Figuring the Fate of S. bombifrons: Can Southern Populations of This Species Withstand Climate Change?</strong></td>
<td></td>
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<tr>
<td>Emma Nault, Elon University</td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 43 Side C</strong></td>
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<tr>
<td><strong>Seasonal Fluctuations in Salamander eDNA in Central Kentucky Streams</strong></td>
<td></td>
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<tr>
<td>Ronald Sams, Asbury University</td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 44 Side A</strong></td>
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<tr>
<td><strong>Trematode Parasite Prevalence and Potential Manipulation of Physa acuta Snails (Mollusca: Gastropoda) at a Restored Coastal Wetland (Samuel Myers Park, Racine, WI, USA)</strong></td>
<td></td>
</tr>
<tr>
<td>Liv Gripko, University of Wisconsin - Parkside</td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 39 Side A</strong></td>
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<tr>
<td><strong>Beyond the Gas Tax: Financing California’s Transportation Infrastructure in the 21st Century</strong></td>
<td></td>
</tr>
<tr>
<td>Jonathan Matt, George Mason University</td>
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</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 31 Side B</strong></td>
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<tr>
<td><strong>Military Medical Student’s and Civilian Medical Student’s Reaction to Pharmaceutical Marketing Tactics</strong></td>
<td></td>
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<tr>
<td>Jersey Krupp, Virginia Commonwealth University</td>
<td></td>
</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 41 Side B</strong></td>
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</tr>
<tr>
<td><strong>Comparison Between a Traditional Lecture Style and a Flipped Classroom on Students’ Success in General Chemistry</strong></td>
<td></td>
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<tr>
<td>Jessica Mundy, Radford University</td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 42 Side B</strong></td>
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<tr>
<td><strong>Habits of Effective Teachers</strong></td>
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</tr>
<tr>
<td>Emily Nickerson, Bridgewater State University</td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 43 Side B</strong></td>
<td></td>
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<tr>
<td><strong>Novel Physics Undergraduate Labs with Robotics Projects</strong></td>
<td></td>
</tr>
<tr>
<td>Megan Brandt, Webster University</td>
<td></td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 44 Side C</strong></td>
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<tr>
<td><strong>The Extinction of the Renaissance Man: Disciplinary vs. Interdisciplinary Education</strong></td>
<td></td>
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<tr>
<td>Nicole Brooks, Virginia Commonwealth University</td>
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<tr>
<td><strong>ELECTRICAL ENGINEERING</strong></td>
<td><strong>COMPUTER SCIENCE</strong></td>
</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 17 Side C</strong></td>
<td></td>
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<tr>
<td><strong>Design and Development of a Laser Micromachining System for Microfluidics</strong></td>
<td></td>
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<td>Jacob Nielesen, University of Central Oklahoma</td>
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<tr>
<td><strong>University Center Ballroom - Kiosk 18 Side A</strong></td>
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<tr>
<td><strong>Hyperspectral Imaging for in Vivo Detection of Trachea Tissue</strong></td>
<td></td>
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<td>William Christensen, United States Military Academy at West Point</td>
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<tr>
<td>University Center Ballroom - Kiosk 18 Side B</td>
<td>University Center Ballroom - Kiosk 45 Side B</td>
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<tr>
<td>T.I.G.E.R. - Tensegrity Inspired Ground Exploration Robot</td>
<td>Companion Animals and Their Effect on Student Belonging in the Classroom</td>
</tr>
<tr>
<td>Emmanuel Lim, University of Memphis</td>
<td>Megan Schwartz, University of Wisconsin - River Falls</td>
</tr>
<tr>
<td><strong>ENGINEERING/ENGINEERING TECHNOLOGY</strong></td>
<td><strong>University Center Ballroom - Kiosk 46 Side B</strong></td>
</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 16 Side B</strong></td>
<td><strong>Do Defendants’ Gender Identity and Sexual Orientation Influence Juror Decisions?</strong></td>
</tr>
<tr>
<td>Development and Analysis of a Wheelchair Mounted Robotic Manipulator</td>
<td>Jamie Shabman, University of North Georgia</td>
</tr>
<tr>
<td>Logan MacKenzie, Grove City College</td>
<td><strong>University Center Ballroom - Kiosk 47 Side B</strong></td>
</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 16 Side C</strong></td>
<td><strong>Examining the Effects of Screen Time on Biopsychosocial Aspects of Health</strong></td>
</tr>
<tr>
<td>Slider Crank Power Take-off System Buoy Optimization</td>
<td>Lauren Messbarger, University of Nebraska at Kearney</td>
</tr>
<tr>
<td>Seaon Carter, Western Carolina University</td>
<td><strong>University Center Ballroom - Kiosk 48 Side B</strong></td>
</tr>
<tr>
<td><strong>ENGLISH</strong></td>
<td><strong>Influence of Stress-Reduction on Physiological Stress and Performance</strong></td>
</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 41 Side A</strong></td>
<td>Levi Haven, University of West Florida</td>
</tr>
<tr>
<td>Critically Evaluating Gendered Language in the Writing Center</td>
<td><strong>University Center Ballroom - Kiosk 49 Side B</strong></td>
</tr>
<tr>
<td>Whitney Malin, University of Wisconsin - La Crosse</td>
<td><strong>Nonlinear Dynamical Systems in Visual Search</strong></td>
</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 42 Side A</strong></td>
<td>Bre’Ana Byrd, University of Central Oklahoma</td>
</tr>
<tr>
<td>Of Course You Can Repeat the Past Old Sport: An Application of Jean Baudrillard’s Simulacra and Simulation to Baz Luhrmann’s The Great Gatsby (2013)</td>
<td><strong>University Center Ballroom - Kiosk 50 Side B</strong></td>
</tr>
<tr>
<td>Lois Suter, Lone Star College System The Honors College</td>
<td>Predicting Variations in Young Adults’ Implicit Attitudes Toward Consensual Nonmonogamy Using the Five Factor Model of Personality</td>
</tr>
<tr>
<td><strong>ENVIRONMENTAL ENGINEERING</strong></td>
<td>Paige Schreifels, University of Wisconsin - Oshkosh</td>
</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 17 Side A</strong></td>
<td><strong>University Center Ballroom - Kiosk 51 Side B</strong></td>
</tr>
<tr>
<td>Measuring and Stimulating Weakly Electric Fish</td>
<td>Social Media and Dining Behavior</td>
</tr>
<tr>
<td>Nicholas Mars, University of Michigan</td>
<td>Jayati Vyas, East Carolina University</td>
</tr>
<tr>
<td><strong>ENVIRONMENTAL STUDIES &amp; SCIENCES</strong></td>
<td><strong>University Center Ballroom - Kiosk 52 Side B</strong></td>
</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 43 Side A</strong></td>
<td>The Effects of Childhood Trauma Exposure on Young Adulthood Optimism</td>
</tr>
<tr>
<td>Impact of Fertilizer, Corn Residue, and Cover Crops on Mycorrhizal Inoculum Potential and Arbuscular Mycorrhizal Fungi Associations</td>
<td>Candice Crossnine, University of Memphis</td>
</tr>
<tr>
<td>Rachel Brockamp, University of Minnesota - Morris</td>
<td><strong>University Center Ballroom - Kiosk 53 Side B</strong></td>
</tr>
<tr>
<td><strong>EXPERIMENTAL PSYCHOLOGY</strong></td>
<td>The Relationship Between Religiosity and Alcohol Use in Young Adults</td>
</tr>
<tr>
<td><strong>University Center Ballroom - Kiosk 44 Side B</strong></td>
<td>Madeline Dormois, University of Memphis</td>
</tr>
<tr>
<td>An Evaluation of Video Modeling with and Without Non-Examples</td>
<td>Jennifer Martin, University of Wisconsin - Milwaukee</td>
</tr>
</tbody>
</table>
GEOGRAPHY & EARTH SCIENCES
University Center Ballroom - Kiosk 45 Side A
Analysis of the Acute Toxicity of SharkTec Repellent
Ania Golaway, Arkansas State University

University Center Ballroom - Kiosk 46 Side A
Comparative Analysis of Violent Crime Events in Milwaukee and Chicago
Mitchel Larson, University of Wisconsin - La Crosse

University Center Ballroom - Kiosk 47 Side A
Elkhorn Wisconsin Area Nitrate Study
Olivia Feider, University of Wisconsin - Eau Claire

University Center Ballroom - Kiosk 48 Side A
Isolation and Characterization of Heavy Metal Tolerant Bacteria from a Superfund Site
Lionel Colon, Borough of Manhattan Community College

University Center Ballroom - Kiosk 49 Side A
Putting the "Eco" in Economics
Shelby Corbitt, University of West Florida

University Center Ballroom - Kiosk 50 Side A
The Unrecognized Link Between The Portrayal of Sharks and Their Extinction
Jay Ayer, University of West Florida

University Center Ballroom - Kiosk 51 Side A
What Is the Best Water Quality Index (WQI) to Assess Headwater Streams?
Michelle Turnbach, Susquehanna University

HEALTH SCIENCES
University Center Ballroom - Kiosk 40 Side A
Sunitinib Metabolism and Implications for Drug-Induced Liver Damage
Gracia Amaya, Lipscomb University

University Center Ballroom - Kiosk 59 Side B
BSU Bystander Intervention: Addressing Sexual Harassment
Johanna Delaney, Bridgewater State University

University Center Ballroom - Kiosk 60 Side A
Nitrate Contamination in Groundwater of Upper Glacial Aquifer of South-East Queens, New York City
Somtochukwu Egonu, City University of New York - York College

University Center Ballroom - Kiosk 61 Side B
Medicare Outreach Program: Satisfaction and Cost-Savings
Stuart McFarland, Auburn University

HISTORY
University Center Ballroom - Kiosk 40 Side C
Institutional Integration of a Community: The Latin American Community of Union County, North Carolina
Zachary Lewis, Wingate University

INTERNATIONAL STUDIES
University Center Ballroom - Kiosk 62 Side A
Feminist Activism and Women’s Rights in Georgia: 25 Years of Independence
Tamar Jakeli, Lafayette College

KINESIOLOGY & EXERCISE SCIENCE
University Center Ballroom - Kiosk 57 Side A
Effects of Creatine on Blood Pressure Before, During, and After High Intensity Strength Training
Jake Schmitz, Gustavus Adolphus College

University Center Ballroom - Kiosk 58 Side A
Kinesio Tape: Effect on Force Output
Angela Nuccio, University of the Pacific

University Center Ballroom - Kiosk 59 Side A
The Effects of Statins on Muscular Strength and Stamina in Older Adults
Matthew Bjork, Hamline University

LINGUISTICS
University Center Ballroom - Kiosk 62 Side B
Generalized Adaptation to Novel Foreign Accents
Lauren Oey, University of Rochester
MUSIC
University Center Ballroom - Kiosk 1 Side C
Recorder Re-Arrangements: Student Engagement in Popular Music for Recorder
Micayla Dawson, University of Northern Iowa

NURSING
University Center Ballroom - Kiosk 54 Side B
Attitudes of Nursing Students Toward Mindfulness and CAM
Hannah Mitchell, Capital University

University Center Ballroom - Kiosk 55 Side B
Engaging and Empowering Black and Latina Elders as Partners in the Pursuit of the Promise
Ayah Allan, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 56 Side B
Improving Utilization of Palliative Care: A Survey of Nurse Knowledge and Fears
Melanie Wiggins, University of West Florida

University Center Ballroom - Kiosk 57 Side B
Perceptions of Alumni Regarding the Impact of the Alaska Immersion Clinical
Cassandra Severson, Gustavus Adolphus College

University Center Ballroom - Kiosk 58 Side B
The Effects of Mindfulness Meditation on Stress Levels in Nursing Students
Alyssa Johnson, University of West Florida

NUTRITION
University Center Ballroom - Kiosk 34 Side B
The Effects of Whey vs. Soy Protein at Breakfast on Satiety Response, Energy Intake and Metabolism
Caroline Melson, Elon University

PHYSICS
University Center Ballroom - Kiosk 31 Side C
Alpha Radiation Detector Development and Testing Under Various Conditions
Andrew Jones, Kennesaw State University
Student Poster Session 6 - Fri 12:00pm-1:00pm

**RECREATIONAL STUDIES**
University Center Ballroom - Kiosk 26 Side C
The Capability for Sustainability in Sacred Lands: From Ladakh to the Lowcountry
Luke Shirley, College of Charleston

**PHYSIOLOGY**
University Center Ballroom - Kiosk 30 Side A
Comparison of Brain-Initiated Versus Non-Brain-Initiated Rehabilitation in Spinal Cord Injured Rats
Taania Girgla, Wayne State University

**SOCIAL WORK**
University Center Ballroom - Kiosk 25 Side C
Effects of Workplace Bullying Among Nurses
Montie Hopper, Midwestern State University

**SOCIOLOGY**
University Center Ballroom - Kiosk 23 Side C
Media Exposure and Its Effects on Social Acceptance of the LGBTQ Community
Andrew Woodard, Austin PEAY State University

**WOMEN, GENDER, AND SEXUALITY STUDIES**
University Center Ballroom - Kiosk 20 Side C
He Can but She Can’t: Examining the Sexual Double Standard Toward Initiators of Consensually Nonmonogamous Relationships
Jocelyn Hart, University of Wisconsin - Oshkosh

**PUBLIC HEALTH**
University Center Ballroom - Kiosk 27 Side C
Defining Successful Gardens: Cultivating Collective Efficacy in Neighborhood Community Gardens Across North Carolina
Chloe Donohoe, Elon University

**POLITICAL SCIENCE**
University Center Ballroom - Kiosk 28 Side A
Confined Education: Reforming the Education in Juvenile Detention Centers in Arkansas
Anna Walker, Hendrix College

**PUBLIC HEALTH**
University Center Ballroom - Kiosk 29 Side A
Political Cohesion Among Feminists and Lesbians, Gays, and Bisexuals: Selection Effects at Work?
Matthew Wilson, American University

**POLITICAL SCIENCE**
University Center Ballroom - Kiosk 21 Side C
The Dark Side of Infidelity: Examining the Predictive Utility of the Dark Triad When Examining Variations in Judgments of Hypothetical Infidelity
Rebecca Tolfa, University of Wisconsin - Oshkosh

**PHYSIOLOGY**
University Center Ballroom - Kiosk 32 Side C
Design and Fabrication of Photonic Crystals for Biosensors
Opeyemi Arogundade, Hamline University

**SOCIAL WORK**
University Center Ballroom - Kiosk 31 Side A
The Effect of Verrucarin J on Lung Cancer Cells and Cancer Stem Cells
Karen Udoh, University of Louisville

**POLITICAL SCIENCE**
University Center Ballroom - Kiosk 29 Side A
Political Cohesion Among Feminists and Lesbians, Gays, and Bisexuals: Selection Effects at Work?
Matthew Wilson, American University

**PUBLIC HEALTH**
University Center Ballroom - Kiosk 27 Side C
Defining Successful Gardens: Cultivating Collective Efficacy in Neighborhood Community Gardens Across North Carolina
Chloe Donohoe, Elon University

**PUBLIC HEALTH**
University Center Ballroom - Kiosk 29 Side C
Multilevel Modeling of Requested Veteran's Affairs Healthcare Services in Oklahoma
Alanna Riederer, University of Central Oklahoma

**PHYSIOLOGY**
University Center Ballroom - Kiosk 30 Side C
The Effects of Statins on Functional Mobility in Older Adults
McKenzie Opse, Hamline University
## Student Poster Session 7 - Fri 1:20pm-2:20pm

### BEHAVIORAL NEUROSCIENCE

**University Center Ballroom - Kiosk 3 Side C**  
*Brain Volume in Relation to Pediatric Cognitive Ability*  
Ramasahitya Karra, Wayne State University

**University Center Ballroom - Kiosk 4 Side A**  
*Emotional Dysregulation And Safety Signal Processing: Associations With Childhood Trauma, Depression and Anxiety Symptoms*  
Nhat Nguyen, Kennesaw State University

**University Center Ballroom - Kiosk 5 Side A**  
*Regulation of RunX Proteins in Primary Sensory Neurons by Exercise Prevents the Development of Neuropathic Pain After SCI*  
Avish Jain, Drexel University

**University Center Ballroom - Kiosk 5 Side B**  
*Characterization of the Electrostatic Interactions Between Tau Peptides and Charged Lipid Membrane Mimics*  
Lexus Tatge, Hamline University, St. Paul

**University Center Ballroom - Kiosk 5 Side C**  
*Effects of Macromolecular Crowding on Ferredoxin – Type Enzyme Kinetics*  
Danielle Bautista, Duquesne University

**University Center Ballroom - Kiosk 6 Side A**  
*Identification of Antagonists of the Orphan GPCR, GPR88, as Potential Treatments for Mental Health Diseases*  
Corbin Hobby, University of Memphis

**University Center Ballroom - Kiosk 6 Side B**  
*Nanodisc Technology: Exploring Intermolecular Interactions in Membrane-bound Glutamate Carboxypeptidase*  
Kyrsten Holderby, Eastern Illinois University

### ANTHROPOLOGY

**University Center Ballroom - Kiosk 2 Side A**  
*Markers of Occupational Stress Revealed by Two Ancient Rope-Makers from the Bronze Age in Thailand*  
Casey Murray, Adelphi University

### ARCHEOLOGY

**University Center Ballroom - Kiosk 2 Side B**  
*Evaluation of Two Archeological Recovery Methods*  
Jenni Baggett, University of West Florida

### ARCHITECTURE & INTERIOR DESIGN

**University Center Ballroom - Kiosk 2 Side C**  
*The Substance of Home: Architecture, Foreclosure and Eviction*  
Teonna Cooksey, University of Wisconsin - Milwaukee

### ART HISTORY

**University Center Ballroom - Kiosk 1 Side A**  
*Disjunctive Reception of Camilo Egas’s Art in Ecuador and New York City.*  
Gabriela Larkin, George Mason University

**University Center Ballroom - Kiosk 1 Side B**  
*The Art of Conservation: Combating Consumerist Culture with Ecological Art*  
Jennifer Clark, University of Central Oklahoma

### BIOCHEMISTRY

**University Center Ballroom - Kiosk 5 Side B**  
*Characterization of the Electrostatic Interactions Between Tau Peptides and Charged Lipid Membrane Mimics*  
Lexus Tatge, Hamline University, St. Paul

**University Center Ballroom - Kiosk 5 Side C**  
*Effects of Macromolecular Crowding on Ferredoxin – Type Enzyme Kinetics*  
Danielle Bautista, Duquesne University

**University Center Ballroom - Kiosk 6 Side A**  
*Identification of Antagonists of the Orphan GPCR, GPR88, as Potential Treatments for Mental Health Diseases*  
Corbin Hobby, University of Memphis

**University Center Ballroom - Kiosk 6 Side B**  
*Nanodisc Technology: Exploring Intermolecular Interactions in Membrane-bound Glutamate Carboxypeptidase*  
Kyrsten Holderby, Eastern Illinois University
University Center Ballroom - Kiosk 6 Side C
Rotavirus Entry into Polarized Columnar Madin-Darby Canine Kidney Cells
Brian Garcia, Florida International University

University Center Ballroom - Kiosk 7 Side A
Targeting Base Excision Repair to Kill B-cell Lymphoma Cells
Manpreet Kaur, Wayne State University

University Center Ballroom - Kiosk 7 Side B
Virtual Screening of S100A12 Inhibitors
Kinara Byrd, Fisk University

University Center Ballroom - Kiosk 18 Side A
Bio-production of RRAS for the Characterization of KM23/RRAS Dimerization in Metastasis
Youssef Khalafallah, George Mason University

BIOLOGICAL ENGINEERING
University Center Ballroom - Kiosk 7 Side C
Role of Diabetes/Glucose Metabolism in Cardiovascular Fibrosis and Calcification
Daniela Medina, Florida International University

BIOLOGY
University Center Ballroom - Kiosk 8 Side A
A Survey of the Rhizosphere Microbial Community of Grasses and Legumes Using 16S rRNA Amplification
Jacob Beckham, Tulsa Community College

University Center Ballroom - Kiosk 8 Side B
Antibacterial Properties of Novel Amphiphiles: Exploring Structure-Activity Relationships
Stephanie Masters, James Madison University

University Center Ballroom - Kiosk 8 Side C
Biochemical Expression and Characterization of CRISP3, a Novel Protein Found in Spider Dragline Silk Fibers
Nura Othman, University of the Pacific

University Center Ballroom - Kiosk 9 Side A
Characterization of a Novel Thermophilic Geobacillus
Lora Schell, Susquehanna University

University Center Ballroom - Kiosk 9 Side B
Confirmatory Test for Saliva Using the ELISA Method for Identification of Statherin
Nicole Meister, Maryville University of Saint Louis

University Center Ballroom - Kiosk 9 Side C
DNA Methylation on Evolutionary Timespans: Conservation of Genomic Sequence and Epigenetic Marks
Melissa Drown, University of Minnesota, Twin Cities

University Center Ballroom - Kiosk 10 Side A
Effects of Pink1, Buffy, DeBcl, and Presenilin (psn) Genes on Mitochondrial Health in Drosophila melanogaster
Wadey Abdelqader, University of West Florida

University Center Ballroom - Kiosk 10 Side B
Exploring the Influence of Removal of Kudzu on the Soil Fungal Community
Fiona Lien, Georgia College and State University

University Center Ballroom - Kiosk 10 Side C
gb4gv: A Genome Browser for Geminivirus
Catherine Newsom-Stewart, Lafayette College

University Center Ballroom - Kiosk 11 Side A
Honey Bee Viral Infections: Establishment of an Infection Model and Determination of the Effects of Varroa Mites on Viral Infection Severity
Tammy Tran, Creighton University

University Center Ballroom - Kiosk 11 Side B
Influence of Preservatives on Gut Microbiota
Brenna Schutzman, Xavier University

University Center Ballroom - Kiosk 11 Side C
Isolating Antibiotic Compounds from Soil Microbes
Lauren Atkinson, Eastern Connecticut State University

University Center Ballroom - Kiosk 12 Side A
Magnetoreception in Western Harvester Ants
Beltran Torres, Webster University
University Center Ballroom - Kiosk 12 Side B
Mutations in Crinkled, Flare, and Twinfilin Cause Morphological Defects in Denticles of Drosophila Embryos
Helen Majer, North Central College

University Center Ballroom - Kiosk 12 Side C
Phylogenetics and DNA Sequencing of the Actin Gene in Pilobolus
Andrew Cressman, Longwood University

University Center Ballroom - Kiosk 13 Side A
Regulation of MLK Kinases in Ovarian Cancer Cells
Olivia Sagan, University of Toledo

University Center Ballroom - Kiosk 13 Side B
Thalidomide Treated Sperm and the Effects on Embryonic Development of Lytechinus pictus
Matthew Chrenick, Susquehanna University

University Center Ballroom - Kiosk 13 Side C
The Effects of Infants on Mother’s Behavior in Coquerel’s Sifakas (Propithecus Coquereli): A Pilot Study
Amaya Watters, North Carolina State University

University Center Ballroom - Kiosk 14 Side A
Transcriptome Analysis of Escherichia coli in Response to Specific IgY Through RNA-Seq
Reed Woyda, Minnesota State University, Mankato

University Center Ballroom - Kiosk 14 Side B
Characterizing Trabecular Bone Microarchitecture in Murine Bone Post-Stroke Using Micro-Computed Tomography
Sriharsha Pinnamaraju, North Carolina State University

University Center Ballroom - Kiosk 14 Side C
Is Lipophilicity a Valid Predictor of Drug Sequestration? an Investigation in Support of Lipid Resuscitation
Nicholas Biondo, North Carolina State University

University Center Ballroom - Kiosk 15 Side A
Rolled PCL Meshes as Biocompatible Scaffolds for Ligament Repair
Hagar Kenawy, Lafayette College

BUSINESS/FINANCE/ACCOUNTING
University Center Ballroom - Kiosk 19 Side A
Do Generational Differences Exist: Management Best Practices
Elizabeth DeRosier, University of Wisconsin - River Falls

CELL & MOLECULAR BIOLOGY
University Center Ballroom - Kiosk 19 Side C
Bradyzoite Differentiation Is Driven by Stage-specific Transcription Factor Binding in Toxoplasma Gondii
Harim Won, University of Nebraska at Omaha

University Center Ballroom - Kiosk 20 Side A
Exploring the Role of LRXs in Moss Growth and Development
Rebecca Anmave, University of Michigan

University Center Ballroom - Kiosk 21 Side A
Histone Deacetylase Inhibitors May Inhibit Cancer Cell Migration by Blocking Genome Compaction
Peyton Terry, University of Tennessee at Knoxville

University Center Ballroom - Kiosk 22 Side A
Maspin Re-expression Induces Breast Cancer Cell Redifferentiation
Maria Matta, Wayne State University

University Center Ballroom - Kiosk 23 Side A
Retinoic Acid Treatment Decreases Proliferation of Casein Kinase-2 Overexpressing Neuroblastoma Cells Without Affecting Cell Viability
Kyra Valent, Lebanon Valley College

University Center Ballroom - Kiosk 24 Side A
The Pro-Angiogenic Mechanism, Migration-Neutral Effect of the Di-Peptide LQ
Jonathan Attalla, Lipscomb University

CELLULAR NEUROSCIENCE
University Center Ballroom - Kiosk 25 Side A
Assessing the Integrity of Cortical Layering: An Application to Autism Spectrum Disorder
Jeff Berger, University of Wisconsin - Oshkosh
Student Poster Session 7 - Fri 1:20pm-2:20pm

University Center Ballroom - Kiosk 26 Side A
Increase in the Protein Levels of an Anti-sprouting Factor and Integrin Receptor, Thy-1, with Age in the Supraoptic Nucleus: Implications for a Role in Collateral Axonal Sprouting
Talia Dalzell, Concordia College - Moorhead

University Center Ballroom - Kiosk 27 Side A
Reduced Actin Polymerization in Schizophrenia Brain
Hriday Bhambhvani, University of Alabama at Birmingham

CHEMICAL ENGINEERING

University Center Ballroom - Kiosk 16 Side A
Microbial Induced Calcium Carbonate Precipitation of Coal Combustion Residuals
Brooke Filanoski, Montana State University Bozeman

University Center Ballroom - Kiosk 18 Side C
Image Acquisition and Analysis: Developing Software to Increase the Accuracy and Speed of Measurements in the Lab
Geoffrey Cawley, Iona College

University Center Ballroom - Kiosk 20 Side B
Alkyl Phosphonate Films on Copper Oxide Surfaces as a Platform for Supported Catalysis
Sarah Heisey, University of Maryland

University Center Ballroom - Kiosk 23 Side B
Forensic Chemical Analysis of Synthetic Cathinones Using Portable Mass Spectrometric Instrumentation
Caitlin Cain, Virginia Commonwealth University

University Center Ballroom - Kiosk 24 Side B
Investigating the Role of Intramolecular Hydrogen Bonding in Dual-Emitting Isopthalamides
Mariah Arneson, University of Minnesota, Twin Cities

CHEMISTRY

University Center Ballroom - Kiosk 25 Side B
One Pot Synthesis and Toxicity Test of Cadmium Selenide Quantum Dots
Amber Seidel, Black Hills State University

University Center Ballroom - Kiosk 26 Side B
Quantification of Adsorption of Organic Compounds by Silver Nanoparticles
Sondrica Goines, College of Charleston

University Center Ballroom - Kiosk 27 Side B
Structure and Reactivity of Glassy Material
Ashley Lipshaw, Albright College

University Center Ballroom - Kiosk 28 Side B
Synthesis and Electrochemical Properties of N-heterocyclic Carbene Complexes
Allyssa Conner, Lafayette College

University Center Ballroom - Kiosk 29 Side B
Synthesis of Variable Sized Silver and Gold Nanoparticles for the Binding and Delivery of Drug Derivatives
Ally Eubanks, Georgia College and State University

University Center Ballroom - Kiosk 30 Side B
Thermostability Analyses of Broad-Spectrum Antibiotics Cephalexin and Ciprofloxacin Via Liquid Chromatography-Mass Spectrometry
Aerial Pratt, Gannon University

CIVIL ENGINEERING

University Center Ballroom - Kiosk 17 Side B
Methanogenesis of Paper Boxes
Mary Kloos, Minnesota State University, Mankato

CLINICAL PSYCHOLOGY

University Center Ballroom - Kiosk 35 Side A
Influences of Mindfulness on African American Stress Levels and Success
Leah Clark, Clark Atlanta University

University Center Ballroom - Kiosk 37 Side A
The Effects of Time and Novelty on the Quality of Mother-Infant Interactions During Play
Austen Tarabay, Slippery Rock University of Pennsylvania
COGNITIVE NEUROSCIENCE
University Center Ballroom - Kiosk 36 Side B
Does Social Context Influence Emotional Language Comprehension Through Facial Muscle Activity?
Ericka Schaeffer, University of Wisconsin - Whitewater

University Center Ballroom - Kiosk 37 Side B
Resting Brain Local Connectivity Among Eyes Closed Samples of Individuals with Autism
Niharika Loomba, University of Alabama at Birmingham

COMMUNICATION SCIENCES AND DISORDERS
University Center Ballroom - Kiosk 35 Side C
Color Word Naming and Identification of Adults
Megan Naylor, University of Nebraska at Kearney

COMUNICATIONS
University Center Ballroom - Kiosk 38 Side B
Central: An Under 21 Night Club
Jada Taylor, Salisbury University

Computer Engineering
University Center Ballroom - Kiosk 24 Side C
Photovoltaics in Eastern Kentucky: The Feasibility Study of Abundant Renewable Energy Resources
Adam Stanley, Morehead State University

Computer Science
University Center Ballroom - Kiosk 36 Side C
Behavior Based Wireless Surveillance
David Willis, University of Kentucky

University Center Ballroom - Kiosk 37 Side C
Developing a Novel Approach for Analyzing Power Wheelchair Users’ Activity Levels
Brendan Bryan, University of Central Oklahoma

University Center Ballroom - Kiosk 39 Side C
The Analysis of Frog Calls Using a Sound-Filtering Neural Network
Amber Nieves, Bridgewater State University

ECOLOGY & ORGANISMAL BIOLOGY
University Center Ballroom - Kiosk 41 Side C
Characterization of Mycoplasma-Related Endobacteria in Environment-Derived Arbuscular Mycorrhizal Fungi
Aolin Zhang, Brown University

University Center Ballroom - Kiosk 42 Side C
Fish Community Composition and Diet Analysis Using DNA Barcoding After a Regime Shift in Gunston Cove, VA
Tanya Traeger, George Mason University

University Center Ballroom - Kiosk 43 Side C
Seed Germination, Early Growth, and Conservation of an Endemic and Endangered Plant of Puerto Rico in Laboratory Conditions
Fernando Vilá Terrada, Universidad Metropolitana

University Center Ballroom - Kiosk 44 Side A
Understanding the Effects of Herbicide Application on Hoary Alyssum (Berteroa incana L.) Seed Biology
Uriel Menalled, Montana State University Bozeman

ECONOMICS
University Center Ballroom - Kiosk 39 Side A
Catastrophic Spending in Tanzania
Dylan Taam, University of the Pacific

EDUCATION
University Center Ballroom - Kiosk 38 Side A
“Don’t Count Me Out!” Recognizing Factors That Enhance Student Retention
Kiera Smith, Stephen F. Austin State University

University Center Ballroom - Kiosk 41 Side B
Correlations Among Adverse Childhood Experiences, Mindfulness, Depression and Job Stress in Early Head Start Teachers
Khadija Mubarik, Wayne State University

University Center Ballroom - Kiosk 43 Side B
Preservice Teachers Conceptions of Integrating Mobile Technology: Instructional Practices and Policies
Chloe Fann, University of Memphis
<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 44 Side C</th>
<th>EXPERIMENTAL PSYCHOLOGY</th>
<th>University Center Ballroom - Kiosk 44 Side B</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Five Pillars of Effective Curriculum Development</td>
<td>An Examination of Auditory Gist Perception</td>
<td>Margaret McMullin, University of Wisconsin - Parkside</td>
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<td>Erin Truesdell, Drexel University</td>
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</tbody>
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<thead>
<tr>
<th>University Center Ballroom - Kiosk 17 Side C</th>
<th>ELECTRICAL ENGINEERING</th>
<th>University Center Ballroom - Kiosk 45 Side B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design and Optimization of a Wearable Thermoelectric Generator for Body Heat Harvesting</td>
<td>Comparing the Effects of Arachidonoyl Serotonin (AA-5-HT) and Diazepam on Nucleus Accumbens Dopamine Release</td>
<td>Josiah Comstock, University of Memphis</td>
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<td>Zachary Fearnside, North Carolina State University</td>
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<thead>
<tr>
<th>University Center Ballroom - Kiosk 16 Side B</th>
<th>ENGINEERING/ENGINEERING TECHNOLOGY</th>
<th>University Center Ballroom - Kiosk 46 Side B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of Laminography Imaging Technique Using Lab X-ray Source</td>
<td>Social Scarf</td>
<td>Does College Major Influence Belief Updating About Vaccines?</td>
</tr>
<tr>
<td>James Eun, University of Tennessee at Knoxville</td>
<td>Sydney-Morgan Arthur, Western Carolina University</td>
<td>Heather Zinn, Susquehanna University</td>
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<tr>
<th>University Center Ballroom - Kiosk 16 Side C</th>
<th>ENGLISH</th>
<th>University Center Ballroom - Kiosk 47 Side B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Scarf</td>
<td>Divided, Yet Unified: Violence and Transgender Identity in Breakfast on Pluto</td>
<td>Examining the Link Between Religiosity and Altruistic Behavior of College Students</td>
</tr>
<tr>
<td>Sydney-Morgan Arthur, Western Carolina University</td>
<td>Samantha Correia, Bridgewater State University</td>
<td>Theresa Havelka, Christian Brothers University</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 41 Side A</th>
<th>ENVIRONMENTAL ENGINEERING</th>
<th>University Center Ballroom - Kiosk 48 Side B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Divided, Yet Unified: Violence and Transgender Identity in Breakfast on Pluto</td>
<td>Novel Sensor for Detection of Bacteria in Environmental Water</td>
<td>Instructors’ Perceptions of Teaching Methods and Neuromyths</td>
</tr>
<tr>
<td>Samantha Correia, Bridgewater State University</td>
<td>Kwendo Mwaniki, University of Wisconsin - Milwaukee</td>
<td>Kylie Gorney, University of Wisconsin - Stout</td>
</tr>
</tbody>
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<thead>
<tr>
<th>University Center Ballroom - Kiosk 42 Side A</th>
<th>ENVIRONMENTAL STUDIES &amp; SCIENCES</th>
<th>University Center Ballroom - Kiosk 49 Side B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pop Culture’s Influence on the Stories We Hear in Music</td>
<td>Metformin Madness: Effects of an Anti-diabetic Drug on Epidermal Club Cell Investment in Fathead Minnows</td>
<td>One Thing Leads to Another: Untangling the Relationship Between Depression and Pain in Outpatients with Serious Illness</td>
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<tr>
<td>Karah Smith, Michigan State University</td>
<td>Matthew Finegan, Ithaca College</td>
<td>Oladele Osisami, University of Alabama at Birmingham</td>
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</tbody>
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<tr>
<th>University Center Ballroom - Kiosk 17 Side A</th>
<th>Psychological Variables Associated With Internet Gaming Disorder Symptoms</th>
<th>University Center Ballroom - Kiosk 50 Side B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novel Sensor for Detection of Bacteria in Environmental Water</td>
<td>Moriah Willis, College of St Scholastica</td>
<td>Psychological Variables Associated With Internet</td>
</tr>
<tr>
<td>Kwendo Mwaniki, University of Wisconsin - Milwaukee</td>
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<td>Gaming Disorder Symptoms</td>
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<tr>
<th>University Center Ballroom - Kiosk 52 Side B</th>
<th>The Effects of Family Characteristics on Coping Strategies with Sexual Harassment in Adolescent Females</th>
<th>University Center Ballroom - Kiosk 53 Side B</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Effects of Family Characteristics on Coping Strategies with Sexual Harassment in Adolescent Females</td>
<td>Ravyn Tanner, University of Kentucky</td>
<td>The Relationship Between Unconscious Thoughts on a College Major and Academic Success in That Major</td>
</tr>
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<td>Ravyn Tanner, University of Kentucky</td>
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<td>Sarah Mace-Rodon, Adelphi University</td>
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</tbody>
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**Student Poster Session 7 - Fri 1:20pm-2:20pm**

**GEOGRAPHY & EARTH SCIENCES**

**University Center Ballroom - Kiosk 45 Side A**
Assessing the Affect of Flow Rate on Three Aquaponics Systems
Erin Ganzke, Carthage College

**University Center Ballroom - Kiosk 46 Side A**
Comparison of Macroinvertebrate Colonization of Different Substrates in Artificial Substrate Basket Samplers to Determine Stream Quality
Hannah-Beth Griffis, Joliet Jr College

**University Center Ballroom - Kiosk 48 Side A**
Lessons Learned from STORMWATER Survey in Flood Prone Area of Southeast Queens Funded by NYCDEP (NYC Department of Environmental Protection)
natifa griffith, City University of New York- York College

**University Center Ballroom - Kiosk 49 Side A**
Relative Age and Formation of a Phreatomagmatic Diatreme in the Mandamus Igneous Complex, New Zealand
Mary Connors, Lafayette College

**University Center Ballroom - Kiosk 50 Side A**
The Urban Heat Island Effect and Its Impact on Lichen Abundance and Diversity
Austin Adam, Bellarmine University

**HEALTH SCIENCES**

**University Center Ballroom - Kiosk 59 Side B**
Comparison of Academic Performance Between Rural and Urban Physical Therapy Students
Cannon Hanebuth, University of Kentucky

**University Center Ballroom - Kiosk 60 Side A**
Patient and Family Centered Care for Children with Hearing Loss: Clarifying Communication Choices
Peyton Pruitt, University of Kentucky

**University Center Ballroom - Kiosk 60 Side B**
Getting to the Heart of Dentistry
Colleen Kalp, Westmoreland County Community College

**University Center Ballroom - Kiosk 61 Side B**
Mental Health Integration Through Accountable Care Organizations
Cassidy Roby, Auburn University

**HISTORY**

**University Center Ballroom - Kiosk 40 Side C**
Irish Female Criminality and The Analysis of Gendered Sentencing
Nichole Mousavizadegan, University of Central Oklahoma

**INTERNATIONAL STUDIES**

**University Center Ballroom - Kiosk 62 Side A**
Globalization in China: Developing Language and Cultural Understanding Through Study Abroad
Katelyn Kannel, University of Wisconsin - Eau Claire

**KINESIOLOGY & EXERCISE SCIENCE**

**University Center Ballroom - Kiosk 57 Side A**
Effects of Plyometric and Isometric Exercise Programs on 50 Meter Sprint Times in Collegiate Women
Mara Fenske, Gustavus Adolphus College

**University Center Ballroom - Kiosk 58 Side A**
Longevity in Athletics: Can Early Sport Specialization Change the Game?
Morgan Mason, North Central College

**University Center Ballroom - Kiosk 59 Side A**
The Influence of Dpp-iv and Cd26+ T-cells on Il-6 Following a Doms Protocol in College-aged Participants
Elise Mann, Auburn University

**LINGUISTICS**

**University Center Ballroom - Kiosk 62 Side B**
Varying Vocalization in Consonants in Andalusian Spanish
Victor Rojas Garcia, University of Michigan
MANAGEMENT
University Center Ballroom - Kiosk 15 Side B
Examining the Moderating Effect of Calling Enactment on the Relationship Between Organizational Constraints and Burnout
Allie McIntire, University of Illinois at Springfield

MARKETING
University Center Ballroom - Kiosk 15 Side C
The Impact of BD-1897 on Athletic Department Budgets and the Student Athletic Fee
Benjamin Costello, Radford University

MATHEMATICS
University Center Ballroom - Kiosk 55 Side A
Factors Associated with Cognitive Decline in Senior Citizens
Tu Doan, University of Central Oklahoma

University Center Ballroom - Kiosk 56 Side A
NCUR Melanoma Abstract
Olivia Campos, University of Central Oklahoma

MECHANICAL ENGINEERING
University Center Ballroom - Kiosk 52 Side A
Combustion Characteristics of Ternary Fuel Blends: Pentanol, Butanol and Vegetable Oil
Bailee Coughlin, University of Minnesota, Duluth

University Center Ballroom - Kiosk 53 Side A
Influence of Grain Geometries in Potassium Nitrate and Sucrose Rocket Propellant
Cameron Kurtz, Embry - Riddle Aeronautical University

University Center Ballroom - Kiosk 54 Side A
Optimal Passive Cooling of UV-LED Panels for Agricultural and Space Applications
John Phung, San Jose State University

MICROBIOLOGY & IMMUNOLOGY
University Center Ballroom - Kiosk 1 Side C
Analysis of Transcriptional Regulation of the Lyme Borrelia Fibronectin-binding Protein BBK32; Promoter Mapping of a Putative Member of the RpoS-regulated Transcriptome
Mara Baker, Delaware Technical Community College

University Center Ballroom - Kiosk 32 Side A
Earthworm Calciferous Glands Have Calcite Precipitating Bacteria
Lindsey Raker, Minnesota State University, Mankato

University Center Ballroom - Kiosk 33 Side A
Microbial and Viral Community Analysis of a Polluted Watershed in the Hudson Valley
Melody Scrudato, Dominican College

University Center Ballroom - Kiosk 34 Side A
The Effect of Non-Caloric Sweeteners and Sugars on Digestive Tract Microflora
Teagan Duran, Lubbock Christian University

NURSING
University Center Ballroom - Kiosk 51 Side A
Ultrasound-Guidance in Difficult Intravenous Access Patients Within the Pediatric Population: An Evidence-Based Approach
Caitlin Jennings, Capital University

University Center Ballroom - Kiosk 54 Side B
Barriers To Blood Sugar Control During Pregnancy: An Integrative Research Review
Natalie Ochoa, Lubbock Christian University

University Center Ballroom - Kiosk 56 Side B
Interest in Amyloid PET Imaging Among Individuals with MCI and Family Care Partners
Caroline Stohler, University of Pittsburgh School of Nursing

University Center Ballroom - Kiosk 57 Side B
Preliminary Validation of CAPTURE with UTI Samples
Elizabeth Gates, University of Alabama in Huntsville

University Center Ballroom - Kiosk 58 Side B
The Efficacy of Narcotic Contracts in Preventing Drug-Seeking Behaviors in Adolescents Experiencing Chronic Pain Related to Sickle Cell Anemia
Haley Russotti, Dominican University of California
NUTRITION
University Center Ballroom - Kiosk 34 Side B
The Metabolic and Behavioral Effects of Daily Consumption of Caloric and Non-caloric Sweeteners in Adult Male Swiss Webster Mice
Erica Johns, Saint Vincent College

PHILOSOPHY & ETHICS
University Center Ballroom - Kiosk 35 Side B
The Yablo Paradox and Infinitary Reasoning
Christian Jensen, University of Minnesota, Twin Cities

PHYSICAL/OCURRENTOINAL THERAPY/
SPEECH LANGUAGE PATHOLOGY
University Center Ballroom - Kiosk 31 Side A
A Pilot Study on the Effect of a Cat Robot for Patients with Alzheimer’s Disease
Jenelle Psaledas, Southern New Hampshire University

PHYSICS
University Center Ballroom - Kiosk 31 Side C
An Advanced Aerogel Packaging Solution for Cold-Chain Biologics Materials Handling
Jacob Hadley, University of Memphis

University Center Ballroom - Kiosk 32 Side C
Development and Characterization of Graphene Oxide Composite Materials for Photothermal Therapy
Megan Brennan, Hamline University

University Center Ballroom - Kiosk 34 Side C
Profiling of OpenMP Parallelization in Exact Diagonalization
Spencer Leeper, University of West Florida

PHYSIOLOGY
University Center Ballroom - Kiosk 30 Side A
Dietary Nitrate and Pulse Wave Analysis: Preliminary Results
Caleb Harrison, Indiana State University

POLITICAL SCIENCE
University Center Ballroom - Kiosk 28 Side A
Contextualizing Conservative Support for Environmental Policy
Tess Candler, Eastern Connecticut State University

University Center Ballroom - Kiosk 29 Side A
Pragmatics in the News Media Realm: The Truth About Political Bias
Jesus Patino, Lone Star College System The Honors College

PUBLIC HEALTH
University Center Ballroom - Kiosk 26 Side C
The Relationship Between Limitations in Daily Activities and the Receipt of Social Support Among Cancer Survivors in the U.S.
Sheila Johnson, Austin PEAY State University

University Center Ballroom - Kiosk 27 Side C
Determining the Relationship Between Greek and Non-Greek Members and Their Likelihood of Having a Second Social Media Account (Finsta)
Olivia Callahan, Miami University

University Center Ballroom - Kiosk 28 Side C
Heavy Metal Analysis of Manure and Feed Samples from Local Farmland in Northwestern Pennsylvania
Daniel Owoc, Westminster College

University Center Ballroom - Kiosk 29 Side C
Perceived Importance of Alcohol and Peer Pressure Predict Alcohol Consumption Among College Students
Jacqueline Ziegman, Miami University

University Center Ballroom - Kiosk 30 Side C
The Politics of Addiction: Innovative Strategies for Combatting Heroin Addiction in New Jersey
Alexis Garretson, George Mason University

SOCIAL WORK
University Center Ballroom - Kiosk 25 Side C
Experiences of Hispanic Women Navigating the Healthcare System in Rural South Carolina
Krista Parenti, Winthrop University

SOCIOLOGY
University Center Ballroom - Kiosk 22 Side C
Do Siblings Know Best?: The Role of Sibling Approval for Romantic Relationships
Deavon Carey, University of Nebraska at Kearney
Student Poster Session 8 - Fri 2:40pm-3:40pm

**ARCHEOLOGY**
University Center Ballroom - Kiosk 2 Side B
Interpreting Dietary Patterns from Faunal Collections of the Spanish Royal Presidio of Monterey, 1770-1810
Emily Smith, California State University Monterey Bay

**ARCHITECTURE & INTERIOR DESIGN**
University Center Ballroom - Kiosk 2 Side C
Visual Environmental Attributes/ Elements of Wayfinding in Unfamiliar Healthcare Environments
Madeleine McKenzie, Appalachian State University

**ART HISTORY**
University Center Ballroom - Kiosk 1 Side A
Geometrical Illusion in the Traditional Kuba Textiles and Contemporary Artworks of Bridget Riley
Bridget Moore, University of Central Oklahoma

University Center Ballroom - Kiosk 1 Side B
The Blood Libel and the Urban Development of Medieval Paris
Olivia Lonetti, Creighton University

**ASTRONOMY**
University Center Ballroom - Kiosk 3 Side A
Binary Stellar Wind Collisions with Orbital Motion
Brendan O’Connor, Union College

**BEHAVIORAL NEUROSCIENCE**
University Center Ballroom - Kiosk 3 Side C
Brainwave Signatures for Detecting Malingered Neurocognitive Deficit (mncd)
Esias Bedingar, University of Kentucky

University Center Ballroom - Kiosk 4 Side A
Empathic Response and Sub-Clinical Psychopathy
Mariah Schumacher, University of Minnesota, Duluth

University Center Ballroom - Kiosk 4 Side B
Late Adolescent Exposure to Amphetamine Induces Cross Sensitization to Methamphetamine and Susceptibility to Addiction in Adulthood
Megan Andres, University of North Georgia

**WOMEN, GENDER, AND SEXUALITY STUDIES**
University Center Ballroom - Kiosk 20 Side C
Health, Health Literacy and Healthcare Utilization Among Muslim Women in Utah
Mu Pye, University of Utah

University Center Ballroom - Kiosk 21 Side C
The Impact of Romantic Relationships on Self- and Partner-Rated Body Satisfaction
Grant Filus, University of Wisconsin - La Crosse

**WORLD LANGUAGES**
University Center Ballroom - Kiosk 31 Side B
Linguistic Relativity Hypothesis and the Study of Bilingualism
Giovanna Galante, Adelphi University

University Center Ballroom - Kiosk 23 Side C
Motivations and Outcomes of Volunteers at a Non-student-run Free Clinic
Mary Stoddard, University of Utah

University Center Ballroom - Kiosk 20 Side C
Health, Health Literacy and Healthcare Utilization Among Muslim Women in Utah
Mu Pye, University of Utah

University Center Ballroom - Kiosk 21 Side C
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University Center Ballroom - Kiosk 31 Side B
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University Center Ballroom - Kiosk 23 Side C
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Student Poster Session 8 - Fri 2:40pm-3:40pm

**University Center Ballroom - Kiosk 4 Side C**
Sholl Analysis to Measure the Impact of Environmental Enrichment on Neurons Implicated in Anxiety and Amphetamine Sensitivity
Sarah Fischer, University of Massachusetts Boston

**University Center Ballroom - Kiosk 5 Side A**
Wnt/β-catenin Signaling Is Necessary for E2-mediated Memory Enhancement
Sarah Philippi, University of Wisconsin - Milwaukee

**BIOCHEMISTRY**
**University Center Ballroom - Kiosk 5 Side B**
Characterization of the Role of the Large and Small Subunits and the Disulfide Bonds on Carbonic Anhydrase’s Activity
Alexa Deemer, Lafayette College

**University Center Ballroom - Kiosk 5 Side C**
effects of Varying Concentrations of the FRET Pair, Clover and MRuby2, and Their Corresponding Usage as Fluorescent Proteins in FRET Based Protease Assay in Vitro
Fakhra Sultan, Mercer University

**University Center Ballroom - Kiosk 6 Side A**
Identification of Molecular Interactions Within Histone Deacetylase Isozymes for the Development of Potent HDAC2 Inhibitors for the Design of Targeted Cancer Therapies
Xavier May, Rhodes College

**University Center Ballroom - Kiosk 6 Side B**
O-GlcNAcylation Controls Cancer Lipid Metabolism Via SREBP-1 Regulation
Wiktoria Gocal, Drexel University

**University Center Ballroom - Kiosk 6 Side C**
RNA-metal Interactions and Their Effects on Life
Katelyn Unvert, University of Nebraska at Kearney

**University Center Ballroom - Kiosk 7 Side A**
The Effects of Macromolecular Crowding on the Kinetics of Dihydrofolate Reductase
Taylor Sheehy, Duquesne University

**University Center Ballroom - Kiosk 7 Side C**
Investigation of Possible Inhibitors Against Multidrug-resistant New Delhi Metallo-Beta Lactamase (NDM-1)
Sonia Hernandez, University of Texas at Austin

**BIOLOGICAL ENGINEERING**
**University Center Ballroom - Kiosk 7 Side B**
A Microfluidic Diode for Sorting C. elegans
TAO HONG, Queensborough Community College - CUNY

**University Center Ballroom - Kiosk 7 Side C**
Sema3A Inhibits Small Diameter Myelinated Axons in a Choice Assay with BDNF and NGF Molecular Attractants
Elaine Ramirez, University of Texas at Dallas

**BIOLOGY**
**University Center Ballroom - Kiosk 8 Side A**
Activity-dependent Modulation of Somatosensory Processing in Drosophila Melanogaster: Behavior, Development, and Sensory-motor Circuit Physiology
Eashwar Somasundaram, University of Kentucky

**University Center Ballroom - Kiosk 8 Side B**
Antimicrobial Peptides Against Yersinia pseudotuberculosis
Brekhnaa Gull, George Mason University

**University Center Ballroom - Kiosk 8 Side C**
Biogeography and Population Genetics of the Bull-Kelp Nereocystis Luetkeana
Lily Gierke, University of Wisconsin - Milwaukee

**University Center Ballroom - Kiosk 9 Side A**
Chemotherapeutic Resistant Breast Cancer Cell Lines
Keeley Williams, Indiana State University

**University Center Ballroom - Kiosk 9 Side B**
Correlation Between Pre-, Peri- and Post-copulatory Mating Success in the Red Flour Beetle
Cristha Edwards, Spelman College

**University Center Ballroom - Kiosk 9 Side C**
Do Male Red Flour Beetles Invest Time and Energy in Mate Guarding?
Joi Wright, Spelman College
University Center Ballroom - Kiosk 10 Side A  
Effects of Plant Diversity on Nitrogen Resorption in Switchgrass and Litter Decay Rates  
Nicole Bishop, University of Northern Iowa

University Center Ballroom - Kiosk 10 Side B  
Exploring the Mechanism of Defense Gene Priming in Tomato Plants Colonized by Mycorrhizae Fungi  
Blake Rennie, Bridgewater State University

University Center Ballroom - Kiosk 10 Side C  
Genetic Analysis of Adult and Juvenile Eastern Bluebirds in Northeast Arkansas  
Erin Langley, Arkansas State University

University Center Ballroom - Kiosk 11 Side A  
Hops: An In-depth Study of Growth  
Michael Willis, Hampden-Sydney College

University Center Ballroom - Kiosk 11 Side B  
Influences of Nitrate Concentration on the Productivity of Four Brassica Rapa Genotypes  
Aileen Zebrowski, University of Minnesota, Twin Cities

University Center Ballroom - Kiosk 11 Side C  
Isolation and Analysis of Bacteriophages Collected from the International Space Station  
Tristan Grams, Carthage College

University Center Ballroom - Kiosk 12 Side B  
MyosinVIIA and Actin Bundlers Interact to Alter Drosophila Dentine Morphology  
Brooke Allen, North Central College

University Center Ballroom - Kiosk 12 Side C  
Pollen Diversity and Gut Bacterial Diversity in Virginia Bumble Bees (Bombus)  
Lynn Bonomo, George Mason University

University Center Ballroom - Kiosk 13 Side A  
Regulation of MLK3 in Ovarian Cancer Cells  
Batool Mehdi, University of Toledo

University Center Ballroom - Kiosk 13 Side B  
The Effect of Caffeine and Nitrate on Tardigrade Metabolism  
Carly Winn, Bellarmine University

University Center Ballroom - Kiosk 13 Side C  
The Effects of Invasive Macrophytes on Turtle Community Structure in The Kinnickinnic Watershed  
Crystal Carpenter, University of Wisconsin - River Falls

BIOMEDICAL ENGINEERING  
University Center Ballroom - Kiosk 14 Side B  
Computer-Aided Diagnosis for Hirschsprung’s Disease  
Victoria Madge, Carleton University

University Center Ballroom - Kiosk 14 Side C  
Leveraging Semiconducte MoS2 Nanosheets Towards Development of Biosensor  
Ramesh Ghanta, University of Texas at Dallas

University Center Ballroom - Kiosk 15 Side A  
Stem Cell Derived Osteoprogenitors and Their Role in Bone Repair Using Morphogenic Activators  
George Brownridge III, Dominican University of California

BUSINESS/FINANCE/ACCOUNTING  
University Center Ballroom - Kiosk 19 Side B  
The Relationship Between College Experience and Alumni Willingness to Donate to Their University  
Jamesha Hosea, Clark Atlanta University

CELL & MOLECULAR BIOLOGY  
University Center Ballroom - Kiosk 19 Side C  
Characterizing Cardiovascular Defects in an Avian Model of Maternal PKU  
Kody Harvey, University of Central Oklahoma

University Center Ballroom - Kiosk 21 Side A  
Identification of a Novel Gene That Plays a Role in High Light Tolerance in the Green Micro-alga Chlamydomonas Reinhardtii  
Kevin Nguyen, University of West Georgia

University Center Ballroom - Kiosk 24 Side A  
The Role of ADAMTS5 Protease on Outflow Tract Intercalated Cushion Remodeling  
Lea Russell, College of Charleston
CELLULAR NEUROSCIENCE
University Center Ballroom - Kiosk 25 Side A
Can Microglial Morphology Tell Us About Neuropathology in Chronic Multisystem Illness?
Zoe Hinton, East Carolina University

University Center Ballroom - Kiosk 26 Side A
Influence of Extracellular Environment on Neural Differentiation
Hannah Kling, Arkansas State University

University Center Ballroom - Kiosk 27 Side A
Synthesis and Characterization of Antinociceptive Properties of Novel Derivatives of the Active Compound, Incarvillateine, from the Chinese Herb (Incarvillateine Sinesis)
Megan Hunke, University of Nebraska at Kearney

CHEMISTRY
University Center Ballroom - Kiosk 20 Side B
Ambient Air Particulate Analysis
Callie Fischer, University of Wisconsin - Eau Claire

University Center Ballroom - Kiosk 21 Side B
Determination of Heavy Metal Uptake in Aquatic Plants by X-Ray Fluorescence
Brandon Pippin Pippin, United States Naval Academy

University Center Ballroom - Kiosk 22 Side B
Electrodeposition and Characterization of Iron Tris(bipyridine) Crosslinked Elastomeric Films
Megan Whitney, Appalachian State University

University Center Ballroom - Kiosk 24 Side B
Isolation of Natural Products from Antarctic Coral Species for Application to Drug Discovery
Dakota Becker-Greene, University of South Florida

University Center Ballroom - Kiosk 25 Side B
Optimization of a Gas Chromatographic Method for the Identification and Quantification of Sucralose in Solution
James Horton II, Lubbock Christian University

University Center Ballroom - Kiosk 26 Side B
Quantitation of Caffeine in Workout Supplements Containing Proprietary Blends Via High Performance Liquid Chromatography
Leah Wolf, Bellarmine University

University Center Ballroom - Kiosk 27 Side B
Struvite Formation from Simulated Anthropogenic Wastewater and Naturally Occurring Inorganic Magnesium Materials
Amanda Leichtfuss, University of Wisconsin - Oshkosh

University Center Ballroom - Kiosk 28 Side B
Synthesis and Optimization of Water-soluble Ultra-bright BODIPY Fluorophores
John Johnson, North Carolina State University

University Center Ballroom - Kiosk 29 Side B
The Application of Thiol-Terminated Silicon to Antifouling
Arion Johnson, Paine College

CIVIL ENGINEERING
University Center Ballroom - Kiosk 17 Side B
Quantification of Cement’s Heat of Hydration
Yahaira Marroquin-Villa, University of Texas- Rio Grande Valley

University Center Ballroom - Kiosk 20 Side B
Ambient Air Particulate Analysis
Callie Fischer, University of Wisconsin - Eau Claire

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University Center Ballroom - Kiosk 29 Side B
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Arion Johnson, Paine College

CLINICAL PSYCHOLOGY
University Center Ballroom - Kiosk 32 Side B
Am I the Master of My Fate?: The Impact of Mortality Salience and Self-Efficacy on Leadership Perceptions
Emillie Noah, Southern Nazarene University

University Center Ballroom - Kiosk 33 Side B
Effects of Childhood Experiences on Adult Desire to Parent
Sarah Bailey, Dominican University of California

University Center Ballroom - Kiosk 35 Side A
Initial Development of an Asian American Female Body Image Measure
Eli Hahn, University of Illinois at Springfield
Student Poster Session 8 - Fri 2:40pm-3:40pm

**University Center Ballroom - Kiosk 36 Side A**
Perceptions of Mental Illness and Stigmatizing Attitudes in College Students
William Kelner, Auburn University

**University Center Ballroom - Kiosk 37 Side A**
The Impact of Gender and Attachment on Emotional Intelligence, Emotional Regulation, and Life Satisfaction in College Students
Amanda Costantino, Susquehanna University

**COGNITIVE NEUROSCIENCE**

**University Center Ballroom - Kiosk 36 Side B**
Echolocation Ability and Auditory Memory
Amanda Marks, University of Wisconsin - Parkside

**University Center Ballroom - Kiosk 37 Side B**
Semantic Encoding of Rapidly Presented Images in Children and Adults
Srutti Ramesh, Wayne State University

**COMMUNICATION SCIENCES AND DISORDERS**

**University Center Ballroom - Kiosk 35 Side C**
Comparing Treatment Methods of Vocal Fatigue in Young Adults
Katherine Yetter, University of Wisconsin - Whitewater

**COMMUNICATIONS**

**University Center Ballroom - Kiosk 38 Side B**
Communicating Social Support
Kayla Harasymchuk, Western Carolina University

**University Center Ballroom - Kiosk 39 Side B**
Salisbury University Event App
Alison Haley, Salisbury University

**COMPUTER ENGINEERING**

**University Center Ballroom - Kiosk 24 Side C**
Project ROS
Samuel Norman, San Jacinto College Honors Program

**COMPUTER SCIENCE**

**University Center Ballroom - Kiosk 18 Side C**
Static Detection of Integrity and Confidentiality Antipatterns in Mobile Applications
John Rocco, Iona College

**University Center Ballroom - Kiosk 37 Side C**
Education Virtual Reality Application
Kaitlyn Hitchcock, Widener University

**University Center Ballroom - Kiosk 38 Side C**
Machine Learning With Brain-Inspired Architecture
Anton Soloviev, Susquehanna University

**University Center Ballroom - Kiosk 39 Side C**
The State of the Art in Speaker Adaptation for Automatic Speech Recognition
Zhejian Wang, Minnesota State University, Mankato

**ECOLOGY & ORGANISMAL BIOLOGY**

**University Center Ballroom - Kiosk 41 Side C**
Climate Change Impacts on Food Sources of Terrestrial Salamanders in the Northeastern United States
Emily Mausteller, Susquehanna University

**University Center Ballroom - Kiosk 42 Side C**
Foraging Efficiency and Learning in Capuchin Monkeys (Cebus capucusin)
Daniel Herrera, Augustana College

**University Center Ballroom - Kiosk 43 Side C**
Soil Phosphorus in Lowland Tropical Rain Forests - a Constraint for Deep Soil Microbial Activity?
Megan Foley, Villanova University

**University Center Ballroom - Kiosk 44 Side A**
Urban Forest Regeneration -- Gap Dynamics in Overton Park
Dwight Wilson, Rhodes College

**EDUCATION**

**University Center Ballroom - Kiosk 19 Side A**
First Steps: The Study of the Impact of Including Dance Education on the Overall Efficacy of Primary School Children with a Focus on English Language Learners
Abigail Cash, University of Central Oklahoma
<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 40 Side B</th>
<th>ENGLISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Peer Education Approach to Alcohol and Other Drug Prevention and Intervention for First Year College Students</td>
<td>University Center Ballroom - Kiosk 42 Side A</td>
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<tr>
<td>Jessica McDaniel, Kennesaw State University</td>
<td>Quest of the Self-Conscious: Cervantes and His Knight</td>
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<td>Rachel Roman, Jacksonville University</td>
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<thead>
<tr>
<th>University Center Ballroom - Kiosk 41 Side B</th>
<th>ENVIRONMENTAL STUDIES &amp; SCIENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyberbullying: Coping Strategies in Elementary Through High School</td>
<td>University Center Ballroom - Kiosk 41 Side A</td>
</tr>
<tr>
<td>Jenna Macziewski, Minnesota State University, Mankato</td>
<td>Biologically Available Elements of Soils Infested by Ventenata dubia</td>
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<td>Jared Lamm, Eastern Washington University</td>
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<th>University Center Ballroom - Kiosk 42 Side B</th>
<th>EXPERIMENTAL PSYCHOLOGY</th>
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<tbody>
<tr>
<td>Improved Reading Scores: Does Gender Matter?</td>
<td>University Center Ballroom - Kiosk 44 Side B</td>
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<tr>
<td>Michael Wurster, Hope College</td>
<td>An Examination of Eye Gaze for Novel and Repeated Faces That Differ in Attractiveness Level</td>
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<td>Toe Aung, Albright College</td>
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<tr>
<th>University Center Ballroom - Kiosk 43 Side B</th>
<th>ELECTRICAL ENGINEERING</th>
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<tbody>
<tr>
<td>Racial-Coping Among African American Students in Academia</td>
<td>University Center Ballroom - Kiosk 17 Side C</td>
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<tr>
<td>Angel Mims, University of Nevada Las Vegas</td>
<td>Design, Assembly, and Testing of a Digital In-Line Holographic Microscope</td>
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<td>Jarrett Anderson, University of Memphis</td>
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<tr>
<th>University Center Ballroom - Kiosk 44 Side B</th>
<th>ENGINEERING/ENGINEERING TECHNOLOGY</th>
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<tbody>
<tr>
<td>Interaction Between Prematurity and Presence of Siblings on Emotion Regulation in Preschool Children</td>
<td>University Center Ballroom - Kiosk 16 Side B</td>
</tr>
<tr>
<td>Natalie Low, University of Minnesota, Twin Cities</td>
<td>Effect of Binder Saturation and Sintering on Stainless Steel – Hydroxyapatite Biocomposite Manufactured by 3D Printing</td>
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<td>John Ruprecht, Minnesota State University, Mankato</td>
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<tr>
<th>University Center Ballroom - Kiosk 45 Side B</th>
<th>SYNTHETIC CHEMISTRY</th>
</tr>
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<tr>
<td>Coloring, Not Just for Kids: Testing the Effectiveness of Mandala Coloring in Reducing Anxiety</td>
<td>University Center Ballroom - Kiosk 46 Side B</td>
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<tr>
<td>Monica Cardenas, Dominican University of California</td>
<td>Does Participation in Religious Organizations Lead to Better Coping for College Students?</td>
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<td>Jessica Keck, Susquehanna University</td>
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<th>University Center Ballroom - Kiosk 46 Side B</th>
<th>OTHER AREAS</th>
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<td>University Center Ballroom - Kiosk 18 Side A</td>
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<tr>
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<td>Inductive Coupling Solution For Wireless Through-Metal-Wall Sensor Networks</td>
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<td>Jeremy Mattfeld, Eastern Washington University</td>
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<th>University Center Ballroom - Kiosk 47 Side B</th>
<th>MEDICAL SCHOOL OF MEMPHIS</th>
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<td>University Center Ballroom - Kiosk 16 Side C</td>
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<tr>
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<td>Synthesis and Characterization of Nano Sensing Devices</td>
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<td>Ibrahim Momoh, Indiana University Purdue University Indianapolis</td>
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<tr>
<th>University Center Ballroom - Kiosk 48 Side B</th>
<th>MEDICAL SCHOOL OF MEMPHIS</th>
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<td>University Center Ballroom - Kiosk 43 Side B</td>
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<td></td>
<td>Plant Selection of Mycorrhizal Symbionts in Response to Abiotic Stress and Plant-Plant Competition</td>
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<td>Sarah Ottinger, University of Tennessee at Knoxville</td>
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</tbody>
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THE COUNCIL ON UNDERGRADUATE RESEARCH

Student Poster Session 8 - Fri 2:40pm-3:40pm

University Center Ballroom - Kiosk 49 Side B
Our Language Influences How We Conceptualize The World: The Effects of Word Order on Mental Representations
Kevin Wagner, Iowa State University

University Center Ballroom - Kiosk 50 Side B
Racial Bias in Elementary School Children: Effects of Skin Color and Facial Features
Maya Rex, University of Southern Mississippi

University Center Ballroom - Kiosk 51 Side B
Socioeconomic Status, Social Connectedness, and Well-being
Levi Haven, University of West Florida

University Center Ballroom - Kiosk 52 Side B
The Effects of Ostracism on Persuasion Susceptibility
Hannah Stewart, Arkansas State University

University Center Ballroom - Kiosk 53 Side B
The Role Maternal Reminiscing Style Plays in the Accuracy of Child Reports
Zehra Mehdi, University of Toledo

GEOGRAPHY & EARTH SCIENCES

University Center Ballroom - Kiosk 45 Side A
Baseline Water Quality Study of the Haw River and Tributaries Draining into Lake Jordan
Chanelle McArthur, North Carolina State University

University Center Ballroom - Kiosk 46 Side A
Concentration and Distribution of PCBs in Sediments in the Fox River, Green Bay and Proposed Novel Porous Material for Remediation of PCBs
Ryan Lecus, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 47 Side A
Exploring Sense of Place in Adolescents: A Qualitative Approach
Laura Todd, Elon University

University Center Ballroom - Kiosk 48 Side A
LiDAR Mapping for Merged Interior and Exterior 3D Modeling
Earle Isibue, Northern Illinois University

University Center Ballroom - Kiosk 49 Side A
Research Capabilities of Wisconsin Universities on Impaired Watersheds
Valerie Hanson, University of Wisconsin - Stout

University Center Ballroom - Kiosk 50 Side A
Timing Movement of Water Through the Biosphere 2 Rainforest Using Deuterium as an Isotopic Tracer
Katie Almeda, Bridgewater State University

HEALTH SCIENCES

University Center Ballroom - Kiosk 59 Side B
Defensive Medicine: A Comparison of Independent and Hospital Affiliated Physicians
Tyler Friedman, Florida International University

University Center Ballroom - Kiosk 60 Side A
Persistant Organic Pollutants Increase Rage Signaling and Oxidative Stress in Diabetic Hearts
Jackson Coole, Mississippi State University

University Center Ballroom - Kiosk 61 Side B
Good Mother, Good Wife: Sociocultural Factors Influencing Family Planning Uptake in Kumasi, Ghana
MeeSoh Bossard, University of Chicago

University Center Ballroom - Kiosk 62 Side A
Monoamine Oxidase Assay for PET Radiotracer Development
Jonathan Pham, University of Michigan

HISTORY

University Center Ballroom - Kiosk 40 Side C
John Dunn: Traitor, Opportunist, or Product of Circumstance?
Kyle Filter, George Mason University

INTERNATIONAL STUDIES

University Center Ballroom - Kiosk 62 Side A
Hip Hop in Japan
Alexis Jenkins, George Mason University
**KINESIOLOGY & EXERCISE SCIENCE**
University Center Ballroom - Kiosk 51 Side A
Training Volume and Performance Relationships in Female Cross Country Runners: A Recipe for Success
Alanna Varnas, Carthage College

University Center Ballroom - Kiosk 57 Side A
Numerical Modeling, Simulation, and Parameter Estimation with Water Quality Data
Allison Frideres, Simpson College

**MECHANICAL ENGINEERING**
University Center Ballroom - Kiosk 16 Side A
Selective Positioning of Cellulose Nanocrystals in Discontinuous Fiber Composites
Evan Toth, Northeastern University

**LITERATURE**
University Center Ballroom - Kiosk 62 Side B
The Relationship Between Chekhov’s Works and the Natural World
Bradley Britvich, California University of Pennsylvania

**MANAGEMENT**
University Center Ballroom - Kiosk 15 Side B
How Japanese People Can Show Leadership?: Effects of Horizontal Individualistic Orientation on Task- and Relationship-Oriented Leadership
Rio Fukuoka, Musashino University

**MARKETING**
University Center Ballroom - Kiosk 15 Side C
What Makes Consumer Loyal to Certain Brands?
Nhan Le, University of Illinois at Springfield

**MATHEMATICS**
University Center Ballroom - Kiosk 55 Side A
A Statistical Analysis of the Factors Related to Serving in Combat Among Veterans Receiving Home Health and Hospice Care
Jacintha Lawrence, University of Central Oklahoma

**MICROBIOLOGY & IMMUNOLOGY**
University Center Ballroom - Kiosk 33 Side A
Pediatric Plaque Psoriasis: Targeting IL-17A and IL-17F Pathways, Keratinocytes, and TH17 Cells with Combination Therapy of Etanercept and Intermittent Narrowband Ultraviolet-B Phototherapy
Amulya Kotha, Virginia Commonwealth University

University Center Ballroom - Kiosk 34 Side A
The Effect of the Hydrolytic Enzyme Dispersin B on Hybrid Biofilms of Staphylococcus Aureus and Candida Albicans
Nathan Lee, Guilford College
MUSIC
University Center Ballroom - Kiosk 1 Side C
Why Copyright Is Copy-wrong for the Music Industry
Jessica Rinehart, University of the Pacific

PHYSICS
University Center Ballroom - Kiosk 31 Side C
Analysis of Radon Tests on a Sample Storage System for Ultra-Low Background Counting Stations at the Sanford Underground Research Facility
Kayla Spiel, Black Hills State University

NURSING
University Center Ballroom - Kiosk 54 Side B
Bottled Vs. Non-Bottled Water: An Investigation of Drinking Preferences Among College Students
Hannah McLendon, Georgia Southern University

University Center Ballroom - Kiosk 55 Side B
Evidence Based Approaches to Pressure Injuries in Long-Term Care Facilities: Education Demands Regarding Staging, Cost, & Nutrition
DeAnna Beachum, University of Memphis

University Center Ballroom - Kiosk 56 Side B
Is Dental Hygiene a Mitigating Factor in Cases of Dementia?
Quinn Deeds, Duquesne University

University Center Ballroom - Kiosk 57 Side B
Preschool Children: What They Know About Asthma and How They Learn
Adaya Troyer, University of Tennessee at Knoxville

PHYSIOLOGY
University Center Ballroom - Kiosk 30 Side A
Differential Effects of Isoproterenol and Omecamtiv Mecarbil on the Contractile Properties of Unloaded Myocytes
Joslyn Isaac, University of Kentucky

PUBLIC HEALTH
University Center Ballroom - Kiosk 27 Side C
Difficulty in Diagnosing Identical Symptoms Caused by the Recombinant Bovine Growth Hormone (rBGH) and Lactose Intolerance and the Need for Longitudinal Research
Mrudula Bandaru, Virginia Commonwealth University

University Center Ballroom - Kiosk 28 Side C
How Do Some Elder Champions Explain Their Experience With Optimal Aging?
Sarah Pease, University of Wisconsin - La Crosse

University Center Ballroom - Kiosk 30 Side C
Unusual Alcohol Consumption Methods and Risky Drinking
Laura Roberts, Miami University

PHYSICAL/OCCUPATIONAL THERAPY/SPEECH LANGUAGE PATHOLOGY
University Center Ballroom - Kiosk 31 Side A
Comparing the Articulatory Kinematics & Acoustic Vowel Space Between Healthy & Apraxic Speakers
Taylor Robbins, University of Toledo

NUTRITION
University Center Ballroom - Kiosk 34 Side B
Varying Levels of Ferritin Within Normal Ranges Affect Hemoglobin and Inflammatory Markers in Division I Cross-Country Runners
Benjamin Keaton, Weber State University

University Center Ballroom - Kiosk 35 Side B
“Fortification of Sourdough with Lupin Bean Flour to Increase Protein and Fiber Content of Wheat Bread”
danielle morrison, University of Central Oklahoma

SOCIAL WORK
University Center Ballroom - Kiosk 25 Side C
Healthcare Disparities Among Transgender Individuals
Jacqueline Murray, University of Memphis
SOCIOLOGY
University Center Ballroom - Kiosk 21 Side C
“What Do You Even Do with That Major”: Influences in the Sociology Major Declaration Process
Samantha Lubliner, Elon University

University Center Ballroom - Kiosk 22 Side C
Ebola; Not Just a Biological Problem but a Sociological One Too
Temiloluwa Lawson, University of Wisconsin - River Falls

University Center Ballroom - Kiosk 23 Side C
Parents’ Health Literacy and Reactions to the American Academy of Pediatrics’ Safe Sleep Guidelines
Lizbeth Lopez, University of Wisconsin - Milwaukee

SPORT MANAGEMENT
University Center Ballroom - Kiosk 31 Side B
Social Support Provided to Injured Student-Athletes
Alexis de Groot, Elon University

Student Poster Session 9 - Fri 4:00pm-5:00pm

ANTHROPOLOGY
University Center Ballroom - Kiosk 1 Side C
A Heroic Veteran’s Last Stand in Ancient Abdera
Julian McBride, Adelphi University

University Center Ballroom - Kiosk 2 Side A
On the Significance of Human Skeletal Preservation and Conservation Efforts in BioArchaeological Research: The Case of Neolithic Aposelemis Site in Crete, Greece
Lynne Hundhammer, Adelphi University

ARCHEOLOGY
University Center Ballroom - Kiosk 2 Side B
Mapping Mark and Erasure: Siting Parish Architecture in Medieval Rome
Allegra Ward, University of Michigan

ART HISTORY
University Center Ballroom - Kiosk 1 Side A
Golden Age Spanish Still Life Paintings and Las Islas Filipinas: A Study on the Link Between the Still Life Genre and Colonialism
Olivia Musgrove, University of Central Oklahoma

University Center Ballroom - Kiosk 1 Side B
The Power of Visual Novels to Evoke Emotions
Kent Lui, University of Michigan

ASTRONOMY
University Center Ballroom - Kiosk 3 Side A
Compiling Archived Spectral Data of Exoplanetary Systems to Search for Trends in the Atmospheric Composition of Hot Jupiters
Troy Maloney, Humboldt State University

BEHAVIORAL NEUROSCIENCE
University Center Ballroom - Kiosk 3 Side B
17ß-Estradiol Activates the Wnt/ß-catenin Pathway in the Dorsal Hippocampus of Ovariectomized Female Mice
Molly Kiefer, University of Wisconsin - Milwaukee
**University Center Ballroom - Kiosk 3 Side C**
Characterizing a Rat Model of Risky Decision-making
Haleigh Joyner, University of Memphis

**University Center Ballroom - Kiosk 4 Side A**
Exercise: Blocking Negative Effects of Social Isolation Stress in an Animal Model
Miranda Cox, Northern Illinois University

**University Center Ballroom - Kiosk 4 Side B**
Long-Term Neuroplastic Effects of Constraint-Induced Movement Therapy in Multiple Sclerosis
Joshua Purvis, University of Alabama at Birmingham

**University Center Ballroom - Kiosk 4 Side C**
Steer Clear of Turning the LOL into an OMG: Distractions Delay Reactions to Visual Cues
Emily Burragge, Bay Path College

**BIOCHEMISTRY**

**University Center Ballroom - Kiosk 5 Side A**
A Multidisciplinary Approach to Cancer Treatment: Computational-Guided Discovery of Novel PRMT5 Inhibitors
Joshua Ong, Ohio State University

**University Center Ballroom - Kiosk 5 Side B**
Characterization of the Thermus thermophilus Transcriptional Regulator PaaR by the Combinatorial Approach REPSA
James Cox, Kennesaw State University

**University Center Ballroom - Kiosk 5 Side C**
Electrical Wiring of Intracellular Signaling Through Calmodulin: A Biological Messenger
Amro AlAshi, Florida International University

**University Center Ballroom - Kiosk 6 Side A**
Identifying PRC2 EED and PRC1 CBX7 Gene Recombination in Mice
Tanjeev Ahmad, University of Michigan

**University Center Ballroom - Kiosk 6 Side B**
Optimization of an Assay for Ribonucleotide Reductase Activity
Nicholas Malcolm, University of Wisconsin - Parkside

**University Center Ballroom - Kiosk 7 Side A**
The Role of PDAT1 in the Accumulation of Healthy Fatty Acids in Seed Oil of Transgenic Arabidopsis Plants
David Sliman, University of Southern Mississippi

**BIOLOGICAL ENGINEERING**

**University Center Ballroom - Kiosk 7 Side B**
A New Method for Early Diagnosis of Colon Cancer Using Fluorescence Excitation-Scanning Hyperspectral Imaging
Malvika Lall, University of South Alabama

**University Center Ballroom - Kiosk 7 Side C**
The Effect of Technology on the Colorblind Community
Sneha Suresh, Virginia Commonwealth University

**BIOLOGY**

**University Center Ballroom - Kiosk 8 Side A**
Acute Effects of Hyperglycemia on Zebrafish Peripheral Nerves in a Genetic-chemical Ablation Model
Julia Howell, Salisbury University

**University Center Ballroom - Kiosk 8 Side B**
Antiprotozoal Effects of the Tomato Tetrasaccharide Glycoalkaloid Tomatine and the Aglycone Tomatidine on Mucosal Trichomonads
Jenny Liu, University of the Pacific

**University Center Ballroom - Kiosk 8 Side C**
Bioinformatic Analysis of the D1R and H3L Homologs from the D. longicaudata Entomopoxvirus
Mitchell Anderson, Eastern Washington University

**University Center Ballroom - Kiosk 9 Side A**
CHO Cell viability When Exposed to Ginkgo biloba
Anna Platt, Tulsa Community College

**University Center Ballroom - Kiosk 9 Side B**
Correlation of Handedness & Ear Preference in Gray Treefrogs
Juan Orjuela, University of Wisconsin - Milwaukee
University Center Ballroom - Kiosk 9 Side C
Does a Single Amino Acid Substitution in the Ligand Binding Domain of the Teleost Estrogen Receptor ER-alpha Alter Its Binding Affinity to the Estrogenic Mycotoxin, Zearalenone?
Kaela Payne, North Carolina State University

University Center Ballroom - Kiosk 10 Side A
Effects of Variations of Insulin Levels on Developing Xenopus laevis Embryos
Andrew Taylor, California University of Pennsylvania

University Center Ballroom - Kiosk 10 Side B
Exploring the Role of RAP2.6L and ANAC071 in Root-Knot Nematode Infection of Arabidopsis
Patricia Vequetini, Bridgewater State University

University Center Ballroom - Kiosk 10 Side C
Genetic Basis for Root Architectural and Seed Size Traits in Arabidopsis thaliana: A Quantitative Synthesis
Bravada Hill, College of Charleston

University Center Ballroom - Kiosk 11 Side A
Host Range Studies, Growth Experiments and Molecular Identification of Phytophthora Boehmeriae: A New Invasive Plant Pathogen Found at Dominican University of California
Biiana Chavez, Dominican University of California

University Center Ballroom - Kiosk 11 Side B
Investigating C. elegans Dopamine Neuron-enriched Genes Linked to Human Disorders
Jiah Toms, Fisk University

University Center Ballroom - Kiosk 11 Side C
Isolation and Characterization of Phage Infecting the Bacteria Host, Corynebacterium
Nellie Baghaei, University of Alabama at Birmingham

University Center Ballroom - Kiosk 12 Side A
Mapping a Novel Bang-Sensitive Gene
Gautam Kanakamedala, Moravian College

University Center Ballroom - Kiosk 12 Side B
Net Primary Production of Microspora
Christina Sauer, Augustana College

University Center Ballroom - Kiosk 12 Side C
Potential Links Between the Sixlined Racerunner, Cnemidophorus Sexliatus, and Arachnid Diversity in a Northern Illinois Sand Dune Habitat
Meghan Price, University of St. Francis

University Center Ballroom - Kiosk 13 Side A
Resting Behavior of Galapágos Sea Lions at High and Low Tides on Two Beaches, Baquerizo Moreno, Galápagos Islands, Ecuador
Karly Betterman, College of Saint Benedict/ St. John’s University

University Center Ballroom - Kiosk 13 Side B
The Effect of Habitat in the Response of an Electric Fish to an Intruder
Ataya Spears, Spelman College

University Center Ballroom - Kiosk 13 Side C
The Effects of Railroads on the Soil Microbiome
Mitchel Kanter, Elon University

BIOMEDICAL ENGINEERING
University Center Ballroom - Kiosk 14 Side B
Controlled PZP Release Via Biocompatible Capsules
Nayan Mandan, Ohio State University

University Center Ballroom - Kiosk 14 Side C
Localized Drug Delivery Using 0% Ag Calcium Phosphate Nanoparticles
Hamza Ahmed, University of Memphis

BUSINESS/FINANCE/ACCOUNTING
University Center Ballroom - Kiosk 19 Side A
Estimating the Magnitude of Food Waste and Hunger in Utah
Jennifer Neal, Weber State University

University Center Ballroom - Kiosk 19 Side B
What Drives Real Estate Prices in the City of Milwaukee?
Quinn Stevenson, Carthage College
**CELL & MOLECULAR BIOLOGY**
University Center Ballroom - Kiosk 19 Side C
Comparative Analysis of Astaxanthin Production, Through Genetic Modification and Manipulation of Growth Factors, by the Microalgae Genera: Chlamydomonas, Chlorella, Haematococcus, Nannochloropsis
Vasupradha Vasudevan, Lone Star College System The Honors College

University Center Ballroom - Kiosk 20 Side A
Extracellular Vesicle MiR-221 as a Driver of Lung Cancer Metastasis.
Devine Jackson, Ohio State University

University Center Ballroom - Kiosk 21 Side A
Identification of Small Molecule Activators of the Unfolded Protein Response (UPR) in Leukemia Cells
Nour Mahmoud, Wayne State University

University Center Ballroom - Kiosk 22 Side A
mEAK-7 Functions Downstream of Rag Proteins to Regulate mTORC1 Signaling in Human Cancer
Fatima Haidar, University of Michigan

University Center Ballroom - Kiosk 23 Side A
Silencing PIF1 and PIF2 in the Pathogenic Yeast, Cryptococcus Neoformans
Samuel Walter, Western Carolina University

University Center Ballroom - Kiosk 24 Side A
Toxicology Risk Assessment of Anti-miR-155 Therapeutics
Oscar Wu, Texas Tech University

**CELLULAR NEUROSCIENCE**
University Center Ballroom - Kiosk 25 Side A
Disruption of the Endosomal-sorting Pathway Delays Peripheral Nerve Myelination
Tina Tian, University of Alabama at Birmingham

University Center Ballroom - Kiosk 26 Side A
Kv1.3 and Insulin Receptor Localization in Developing Hypothalamic Nuclei Governing Energy Homeostasis
Warren Yacawych, Norwich University

University Center Ballroom - Kiosk 27 Side A
Systems Genetics of Optic Nerve Damage
Andrew Stiemke, University of Memphis

**CHEMICAL ENGINEERING**
University Center Ballroom - Kiosk 16 Side A
Photocatalytic Mesoporous Titania Thin Films on Porous Substrate Through the Evaporation-Induced Self-Assembly Method
Christian Rust, North Carolina State University

University Center Ballroom - Kiosk 20 Side B
Analysis of Complex Molecules Utilizing a 60 MHz FT NMR: How Far Can We Push the Magnet?
Ana Quintero, Our Lady of the Lake University

University Center Ballroom - Kiosk 21 Side B
Determining the Intrinsic Reaction Pathways of Alcohol-Solvated Alkaline Earth Metal Cations in the Gas Phase
Sarah Sheffield, Duquesne University

University Center Ballroom - Kiosk 22 Side B
Elucidating the Role of the 4-coumarate:CoA Ligase Enzyme in Plant Cell Wall Biosynthesis
Wesley Morioka, University of Wisconsin - Oshkosh

University Center Ballroom - Kiosk 23 Side B
Growth of Single Crystal Topological Insulator BiSbTeSe2
Suzanne Petryk, Cornell University

University Center Ballroom - Kiosk 24 Side B
Isotopic Dependence of the Hydrogen-transfer-triggered Methyl-group Rotation in 5-methyltropolone
Alyssa Johnson, Texas Tech University

University Center Ballroom - Kiosk 25 Side B
Optimization of Gold Nanoparticle Aptamer-Based Sensor To Detect Boar Taint
Nana Frimpong, Carleton University

University Center Ballroom - Kiosk 26 Side B
Study of Supramolecular Hydrogen Bonded Mesogenic Networks
Abdulghani Mounir, University of Wisconsin - Eau Claire
<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 28 Side B</th>
<th>University Center Ballroom - Kiosk 36 Side B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthesis and Purification of Biocompatible Nanoparticles for Protein Dynamic Studies</td>
<td>Exploring Retrieval-Induced Forgetting for Argumentative Texts</td>
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<tr>
<td>Ashley Lato, University of Wisconsin - Eau Claire</td>
<td>Amber Shedd, University of Memphis</td>
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<tr>
<th>University Center Ballroom - Kiosk 29 Side B</th>
<th>University Center Ballroom - Kiosk 37 Side B</th>
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<tr>
<td>The Determination of Pesticide Residues in Vegetable Samples</td>
<td>Stimulus Discrimination as a Function of Temporal Frequency</td>
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<tr>
<td>Emily Bullington, Georgia College and State University</td>
<td>Alexa Williams, Christopher Newport University</td>
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| University Center Ballroom - Kiosk 30 Side B | |
|---------------------------------------------|-
| Transition Metal Complexes with Promising Applications in Molecular-Based Materials | |
| Justin Wedal, University of Wisconsin - La Crosse | |

<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 33 Side B</th>
<th>COMMUNICATION SCIENCES AND DISORDERS</th>
</tr>
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<tbody>
<tr>
<td>Ethnic Identity Statuses and Latino/a Mental Health Outcomes</td>
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<td>Roselee Ledesma, Marquette University</td>
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<tr>
<th>University Center Ballroom - Kiosk 35 Side A</th>
<th>COMMUNICATIONS</th>
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<tbody>
<tr>
<td>Intra-Individual and Cross-Partner Association Between Depression and Intimacy Among Cohabitating and Married Couples</td>
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<td>Andrea Gorrondona, University of Tennessee at Knoxville</td>
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<tr>
<th>University Center Ballroom - Kiosk 36 Side A</th>
<th>COMPUTER ENGINEERING</th>
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<tbody>
<tr>
<td>Personality Style and Mate Retention</td>
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<td>Sabatina Mauro, Adelphi University</td>
<td>University Center Ballroom - Kiosk 24 Side C</td>
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<tr>
<th>University Center Ballroom - Kiosk 37 Side B</th>
<th>COMPUTER SCIENCE</th>
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<tr>
<td>The Impact of Marital Status and Children on Women’s Adjustment to Incarceration</td>
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<td>Rachel Graham, Eastern Washington University</td>
<td>University Center Ballroom - Kiosk 18 Side C</td>
</tr>
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| University Center Ballroom - Kiosk 2 Side C | |
|---------------------------------------------|-
| Using fMRI to Explore the Neural Basis of Anticipation After Implicit Distributional Learning | |
| Danlei Chen, University of Rochester | |

| University Center Ballroom - Kiosk 18 Side C | |
|---------------------------------------------|-
| An Online Platform for Assessing Job Seeker - Employer Compatibility | |
| Kerri Sexton, Iona College | |

| University Center Ballroom - Kiosk 37 Side C | |
|---------------------------------------------|-
| Evaluation of a 6DOF Perception System | |
| Andrea Acosta, Loyola University Maryland | |
University Center Ballroom - Kiosk 38 Side C
Methods for Identifying Brand Logos in Images Shared on Social Media
Rachel Malloy, Villanova University

ECOLOGY & ORGANISMAL BIOLOGY
University Center Ballroom - Kiosk 41 Side C
Do Earthworms Care Where the Animals “go”?  
Benjamin Schupp, University of Wisconsin - Eau Claire

University Center Ballroom - Kiosk 42 Side C
Histopathology of Corals Subjected to Explosive Materials  
Valerie Nguyen, George Mason University

University Center Ballroom - Kiosk 43 Side C
Sublethal Effects of Simulated Climate Change on Lentic Aquatic Invertebrate Assemblages  
Nicholas Bielski, University of Wisconsin - Parkside

University Center Ballroom - Kiosk 44 Side A
Video Analysis of Native and Nonindigenous Fish-Predator Impacts on Florida Apple Snails (Pomacea paludosa)  
Tabitha Siegfried, University of West Florida

ECONOMICS
University Center Ballroom - Kiosk 39 Side A
Conflicts of Stakeholder Salience: Profit Allocation in the Retail and Manufacturing Industries  
Michael Mingo-Dabney, George Mason University

University Center Ballroom - Kiosk 41 Side B
Differentiated Instruction: Preparing All Students for Success  
Katherine Carroway, University of Central Oklahoma

University Center Ballroom - Kiosk 42 Side B
Tess Kendall, Weber State University

University Center Ballroom - Kiosk 43 Side B
Self-Determination Skills: Are Ready for Life Students Prepared for Their Future?  
Mikayla Freyling, Hope College

University Center Ballroom - Kiosk 44 Side C
The Impact of Teaching Social Skills on the Social Competence of Students with Exceptional Learning and Behavior Needs  
Regan May, Arkansas State University

ELECTRICAL ENGINEERING
University Center Ballroom - Kiosk 17 Side C
Design and Optimization of a Wearable Thermoelectric Generator for Body Heat Harvesting  
Haywood Hunter, North Carolina State University

University Center Ballroom - Kiosk 18 Side A
Load Profile : Testbench for Home Energy Management System Research  
Afsana Chowdhury, North Carolina State University

ENGLISH
University Center Ballroom - Kiosk 42 Side A
Refugee Narratives and the Meaning of Home  
Jenna Kersten, Siena College

EDUCATION
University Center Ballroom - Kiosk 38 Side A
A Comparative Analysis of Best Teaching Practices Nationally and Internationally  
Lauren Riedeman, University of Wisconsin - River Falls

University Center Ballroom - Kiosk 40 Side B
A Study in Robot Instruction for Elementary Baton Twirling  
Alicia Tilsley, Southern New Hampshire University

ENTREPRENEURSHIP
University Center Ballroom - Kiosk 34 Side B
Josephine Gardner, Elon University
**Student Poster Session 9 - Fri 4:00pm-5:00pm**

**ENVIRONMENTAL ENGINEERING**

**University Center Ballroom - Kiosk 17 Side A**
Quantifying Isobutane Leakage Rates from Binary Geothermal Power Plants
Lucia Mallozzi, Suffolk County Community College

**University Center Ballroom - Kiosk 50 Side B**
Reaction to Behaviors
Katrina Scarimbolo, State University of New York-New Paltz

**ENVIRONMENTAL STUDIES & SCIENCES**

**University Center Ballroom - Kiosk 41 Side A**
Correlates of Dung Beetle Introductions in Australia
Cassidy Levy, Elon University

**University Center Ballroom - Kiosk 51 Side B**
Student Involvement in Diverse Actions and Perceived Campus Climate
Emilee Kesler, University of North Georgia

**University Center Ballroom - Kiosk 46 Side A**
Concentration of Dissolved Inorganic Solids and Fecal Coliform Bacteria in Natural Springs of Central New York
Tara Perry, Ithaca College

**University Center Ballroom - Kiosk 52 Side B**
The Effects of Perceived Peer Support on Depressive Symptoms in Victims of Bullying
Sarah Stewart, University of Kentucky

**University Center Ballroom - Kiosk 47 Side A**
Geochemical Analysis of Deadman Creek
Keylin Huddleston, Eastern Washington University

**University Center Ballroom - Kiosk 53 Side B**
Unlocking Moral Reasoning Through Personality Traits
Sidney Dayag, Lone Star College System The Honors College

**GEOGRAPHY & EARTH SCIENCES**

**University Center Ballroom - Kiosk 45 Side A**
Broken Fossil Fragments as Useful Information in Paleoenvironmental Studies
Jessica Reukema, University of Wisconsin - Whitewater

**University Center Ballroom - Kiosk 46 Side A**
Concentration of Dissolved Inorganic Solids and Fecal Coliform Bacteria in Natural Springs of Central New York
Tara Perry, Ithaca College

**University Center Ballroom - Kiosk 48 Side B**
Looking Back at the Milwaukee River Project 2004 - 2016
Kathryn Immler, Milwaukee Area Technical College

**EXPERIMENTAL PSYCHOLOGY**

**University Center Ballroom - Kiosk 44 Side B**
Animals Make Us Humane: Evaluating the Effectiveness of a Humane Education Summer Camp at the Marin Humane Society
Danielle Davis, Dominican University of California

**University Center Ballroom - Kiosk 45 Side B**
Comparison of the Stimulus Set Size on the Efficacy and Efficiency of Acquisition
Meagan Sumter, University of Wisconsin - Milwaukee

**University Center Ballroom - Kiosk 47 Side B**
Exploring the Relationship Amongst Sex, Personality Traits, and Cognitive Task Performance
Heather Kissel, Bellarmine University

**University Center Ballroom - Kiosk 48 Side B**
Interpersonal Styles and Writing Centers
Zoey Wilson, Wittenberg University

**University Center Ballroom - Kiosk 49 Side B**
Overcoming Spontaneous Trait Inferences Through Education
Maria Ammer, University of Wisconsin - Superior

**University Center Ballroom - Kiosk 50 Side B**
Rising Above the Ash: An Analysis of Ash Tree Death Using Drone Technology
Megan Gjertsen, Trinity Christian College
HEALTH SCIENCES
University Center Ballroom - Kiosk 60 Side A
Pharmacogenomics and the Metabolic Side Effects of Schizophrenia
Andrew Jaeger, University of Michigan

University Center Ballroom - Kiosk 60 Side B
Health or Harm?: The Role of Fitness Technology on Smart and Safe Drinking Choices
Jennifer Kelleher, Miami University

LITERATURE
University Center Ballroom - Kiosk 62 Side A
Manhood and War Making: The Literary Response to the Radicalization of Masculinity for the Purposes of WWI Propaganda
Samuel Hersh, Kent State University

MANAGEMENT
University Center Ballroom - Kiosk 15 Side B
How Will Technology Change Education and Schools
Andy Lopp, Utah Valley University

MATHEMATICS
University Center Ballroom - Kiosk 55 Side A
Analysis of High-Speed Gaseous Flows Using Molecular Tagging Velocimetry and the Hough Transform
Susan Hoops, St. Olaf College

University Center Ballroom - Kiosk 56 Side A
Special Words in Free Groups
Tim Reid, George Mason University

MECHANICAL ENGINEERING
University Center Ballroom - Kiosk 18 Side B
Accurate Prediction of the Colloidal Nanoparticles Aggregation in an Implicit Solvent with Coarse-Grained Molecular Dynamics
Nikita Birbasov, University of Kentucky

University Center Ballroom - Kiosk 52 Side A
Directing the Self-assembly of Multiple DNA Nanostructures in a Single Reaction
Vasiliki Kolliopoulos, Ohio State University

University Center Ballroom - Kiosk 53 Side A
Investigating Parametric, Analytical, and Experimental Engine Cycle Analysis on the DGEN 380
Christopher Roper, Kennesaw State University
# Student Poster Session 9 - Fri 4:00pm-5:00pm

<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 54 Side A</th>
<th>University Center Ballroom - Kiosk 58 Side B</th>
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<tbody>
<tr>
<td>Megan Gangewere, State University of New York-New Paltz</td>
<td>Bridget Murphy, State University of New York-Brockport</td>
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**MICROBIOLOGY & IMMUNOLOGY**

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<thead>
<tr>
<th>University Center Ballroom - Kiosk 33 Side A</th>
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<tr>
<td>Plasma Metabolites from Lactobacillus Johnsonii-supplemented Mice Suppress RSV Inflammasome Activation in Bone Marrow-derived Macrophages</td>
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<td>Shannon Best, University of Michigan</td>
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<tr>
<td>The Effects of Methicillin-Resistant Staphylococcus aureus and Methicillin-Sensitive Staphylococcus aureus on Murine Femur Weight and Strength</td>
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<td>Gerald Ngo, Saint Vincent College</td>
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**NURSING**

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<thead>
<tr>
<th>University Center Ballroom - Kiosk 26 Side B</th>
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<tr>
<td>Horizontal Violence Among Nursing Students in the Clinical Setting</td>
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<td>Caitlin Barber, Georgia Southern University</td>
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<tr>
<td>Factors Influencing Accuracy of ICP Measurement with External Strain Gauge</td>
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<td>Christine Yu, Texas Woman’s University</td>
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<td>Chewing Gum to Promote Recovery of Gastrointestinal Motility After a Cesarean Section</td>
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<td>Selena LeGarde, Luther College</td>
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**PHYSICS**

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<th>University Center Ballroom - Kiosk 31 Side C</th>
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<tr>
<td>Analytic Solution to a Three-Level Optical Pumping System with Constant Coefficients</td>
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<td>William Dulaney, Appalachian State University</td>
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<th>University Center Ballroom - Kiosk 32 Side C</th>
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<td>Dielectric Anistropy and Elastic Constants Near the Nematic-Smectic A Transition</td>
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<td>Angelo Visco, Slippery Rock University</td>
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**PHYSIOLOGY**

<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 30 Side A</th>
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<tr>
<td>Exposure to PM2.5 In Utero Contributes to Early Adult Cardiac Dysfunction</td>
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<td>Jacob Grimmer, Ohio State University</td>
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</tbody>
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**POLITICAL SCIENCE**

<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 29 Side A</th>
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<tbody>
<tr>
<td>Republicans &amp; the Art of Gerrymandering: A Match Made in Political Heaven?</td>
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<tr>
<td>Stephanie Obieroma, University of Kentucky</td>
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</tr>
</tbody>
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**PUBLIC HEALTH**

<table>
<thead>
<tr>
<th>University Center Ballroom - Kiosk 26 Side C</th>
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<tbody>
<tr>
<td>An Analysis of Risk Factors for Teen Dating Violence</td>
<td></td>
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<tr>
<td>Justin DeMonte, Evergreen State College</td>
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</tr>
</tbody>
</table>
Student Poster Session 10 - Sat 8:00am-9:00am

**ANTHROPOLOGY**
University Center Ballroom - Kiosk 2 Side A
Oral History of Lakes Menomin and Tainter
Laura Donovan, University of Wisconsin - Stout

**ART HISTORY**
University Center Ballroom - Kiosk 1 Side A
Identity Crisis: Nationalist Art in 1920s-30s Egypt and U.S.
Blair Summers, University of Central Oklahoma

University Center Ballroom - Kiosk 1 Side B
The Reinforcement of the Image of Africa as Primitive in Picasso’s Artwork
Nina Nguyen, University of Central Oklahoma

**ASTRONOMY**
University Center Ballroom - Kiosk 3 Side A
Detection of Exoplanets Using Differential Photometry
Daniel Barker, Hamline University, St. Paul

**BEHAVIORAL NEUROSCIENCE**
University Center Ballroom - Kiosk 4 Side A
Extending Avoidance Conditioning Disrupts Extinction Learning and Increases Persistent Avoidance
Marcos Sánchez Navarro, Universidad Metropolitana

University Center Ballroom - Kiosk 4 Side C
Stress and Social Dominance: Cellular Mechanisms in the Ventral Hippocampus
Kimberly Bress, University of Tennessee at Knoxville

**BIOCHEMISTRY**
University Center Ballroom - Kiosk 5 Side A
A Study of Aminoglycosides Binding to Mitochondrial rRNA
Laimar Garmo, Wayne State University

University Center Ballroom - Kiosk 5 Side B
Comparison of Computational and Experimental Methods to Determine the Crystal Structure of Elm1p
Amir Alwali, Susquehanna University

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University Center Ballroom - Kiosk 27 Side C
Embodying the Border: Structural Barriers to Health for Immigrant and Refugee Women in Milwaukee, Wisconsin
Cinthia Tellez Silva, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 28 Side C
How Does Chronotype Influence Alcohol Consumption Among College Students?
Alyssa Fuhr, Miami University

University Center Ballroom - Kiosk 29 Side C
Relationships Between Parental Nutrition Communication Strategies, Adolescent Eating Behavior, BMI-for-age, and Age at Menarche in 12 to 17 Year Old Girls
Leila Raminpour, George Mason University

University Center Ballroom - Kiosk 30 Side C
Zika Virus Knowledge, Attitudes, and Information Seeking Among University Students
Ashley Plaster, George Mason University

**SOCIAL WORK**
University Center Ballroom - Kiosk 25 Side C
International Students’ Acculturation and Adjustment to College
Delize Paul, Midwestern State University

**SOCIOLOGY**
University Center Ballroom - Kiosk 21 Side C
A Comparison of U.S. Versus German Undergraduate Students’ Perceptions of the Impact of Undergraduate Research Experiences
Mark Pettit, University of North Alabama

University Center Ballroom - Kiosk 22 Side C
Effect of Parenting Styles on Childhood Obesity in a Low Income Household
Vania Emmela, Virginia Commonwealth University

University Center Ballroom - Kiosk 23 Side C
Planning for an Aging Population: A Mixed Methods Research Study
Robert Skinner, Kennesaw State University
Student Poster Session 10 - Sat 8:00am-9:00am

**University Center Ballroom - Kiosk 5 Side C**
Enhanced Immune-Related Protein in the Hemolymph of Offspring of Manduca Sexta Mothers Subjected to Stress
Bruck Gezahegn, Baldwin-Wallace College

**University Center Ballroom - Kiosk 6 Side A**
In Silico Discovery of Inhibitors for SLC25A1 as a Target for Lung Cancer
Rachel Carter, George Mason University

**University Center Ballroom - Kiosk 6 Side B**
Percent Crosslinking of Duplex DNA by Different Rhodium Compounds
Swathi Kanakamedala, Moravian College

**University Center Ballroom - Kiosk 6 Side C**
Statistical Coupling Analysis of LARP6
Marriah Lewis, Texas State University - San Marcos

**University Center Ballroom - Kiosk 7 Side A**
The Structural Basis for the Interaction Between RSV MA and Membrane Lipids
Gunnar Eastep, University of Alabama at Birmingham

**University Center Ballroom - Kiosk 7 Side C**
Discovering Novel Inhibitors for N-acetylheuraminic Acid Synthase in Neisseria meningitidis
My Quan, University of Texas at Austin

**University Center Ballroom - Kiosk 10 Side A**
Discovering New Inhibitors Against New Delhi Metallo β-lactamase (NDM-1) Through Virtual Screening
Sabi Shrestha, University of Texas at Austin

**BIOLOGICAL ENGINEERING**

**University Center Ballroom - Kiosk 7 Side B**
Bioprinting Methodology Using a Pectin Based Bioink
Amanda Banks, Saint Louis University

**BIOLOGY**

**University Center Ballroom - Kiosk 7 Side C**
Centriole Remodeling and Poc1 Enrichment in Drosophila melanogaster
Michaela Roberts, University of Toledo

**University Center Ballroom - Kiosk 8 Side B**
Asellus aquaticus: Understanding the Loss of Pigmentation in Cave Animals
Franco Fernandez, Dominican University of California

**University Center Ballroom - Kiosk 8 Side C**
Biological Effectiveness of Instream Restoration
Jeremy Gurbatow, Susquehanna University

**University Center Ballroom - Kiosk 9 Side A**
Ciliogenesis in Cardiac Regeneration in Zebrafish (Danio rerio)
Ao Shi, Wheaton College

**University Center Ballroom - Kiosk 9 Side B**
CRISPR/Cas9 Gene Editing in Saccharomyces cerevisiae
Kristen Pisarcik, Delaware Technical Community College

**University Center Ballroom - Kiosk 9 Side C**
Effect of Chronic Exposure to Artificial Sweeteners on Metabolism During Embryonic Development in Chicken Embryos
Hannah Becker, Saint Vincent College

**University Center Ballroom - Kiosk 10 Side A**
Effects of Viral Infection on Life History Traits of Drosophila melanogaster
Sara Winzer, University of Idaho

**University Center Ballroom - Kiosk 10 Side B**
Expression of Anoctamin 1 in Adult Zebrafish
Clayton Brady, State University of New York-Brockport

**University Center Ballroom - Kiosk 10 Side C**
Genetic Identification of Blood Parasites in Galápagos Marine Iguanas
Shirley Zhang, University of South Alabama

**University Center Ballroom - Kiosk 11 Side A**
Hydroponic Testing of Iron Deficiency Chlorosis in Soybeans
Sarah Kurtz, Iowa State University

**University Center Ballroom - Kiosk 11 Side C**
Isolation of a Novel Phage, Ofoolekemple52
Thomas Raymond, Virginia Commonwealth University
Student Poster Session 10 - Sat 8:00am-9:00am

University Center Ballroom - Kiosk 12 Side A
Maternal Exercise Alters Lipid Accumulation in Offspring Offspring
Madeline Weltzer, University of Kentucky

University Center Ballroom - Kiosk 12 Side B
Neural and Hormonal Mechanisms of Social Behavior in Mice
Hannah Belski, University of Mary Washington

University Center Ballroom - Kiosk 12 Side C
Predictors of Stress Hyperglycemia in White-crowned Sparrows
Brad Davidson, St. Mary’s College of Maryland

University Center Ballroom - Kiosk 13 Side A
Roasting Hops: Manipulating Alpha Acid Levels, Polyphenol Levels, and Preservation Ability
Zachary Greiner, Xavier University

University Center Ballroom - Kiosk 13 Side C
The Identification of ASD-causal De Novo CNVs in a Familial Dataset
Alexander Lacey, Ohio State University

University Center Ballroom - Kiosk 14 Side A
Using Machine Learning to Understand T Cell Stimulation
Mildred Perez, Wake Forest University

University Center Ballroom - Kiosk 14 Side C
Modeling of Temperature Distribution in Laser Micromachining for Microfluidics
Saranja Annalingam, University of Central Oklahoma

University Center Ballroom - Kiosk 15 Side A
Testing a Methodology for ACLR Gait Analysis
William Benson, University of Memphis

BUSINESS/FINANCE/ACCOUNTING
University Center Ballroom - Kiosk 19 Side B
The Relationship Between Perceptions on Financial Aid and University Experience
Khadedra Hylton, Clark Atlanta University

CELL & MOLECULAR BIOLOGY
University Center Ballroom - Kiosk 19 Side C
Culture of Zebrafish Ovarian Cells to Facilitate the Study of Pseudoloma Neurophilia
Christina Ramelow, Eastern Washington University

University Center Ballroom - Kiosk 20 Side A
Extraction of High-Quality RNA From Human Articular Cartilage
Heather Le Bleu, University of Rochester

University Center Ballroom - Kiosk 21 Side A
Identifying Genetic Variants Using TCGA Cancer Sequencing Datasets
Beloved Godsown, Indiana State University

University Center Ballroom - Kiosk 22 Side A
Mechanism of Action of T-oligo and Its Role in Inducing Anticancer Responses
Zachary Schrank, Augustana College

University Center Ballroom - Kiosk 23 Side A
Stochastic Markov Chains to Predict Efficacy of Chemotherapy Dose Strategies for Breast Cancer Patients
Jennifer Xiao, White Station High School, University of Memphis

BIOMEDICAL ENGINEERING
University Center Ballroom - Kiosk 3 Side C
Alginate-Gelatin Hydrogels with Magnetically Aligned Calcium Phosphate Reinforcement for Bone Graft Applications
Morgan Pfaff, Northeastern University

University Center Ballroom - Kiosk 14 Side B
Corneal Abnormality Detection Using Image Processing Techniques
Vincent Nagel, University of Michigan

University Center Ballroom - Kiosk 23 Side B
The Use of Chlamydomonas Reinhardtii to Express Bacterial Transgenic Constructs for Lps-free Protein Analysis in Immunological Assays
Vasupradha Vasudevan, Lone Star College System The Honors College
CELLULAR NEUROSCIENCE
University Center Ballroom - Kiosk 25 Side A
Activation of Mesolimbocortical Dopamine Pathways
Monique Latourette, Susquehanna University

University Center Ballroom - Kiosk 27 Side A
The Neuroprotective Potential of Curcumin in the 6-Hydroxydopamine Model of Parkinson’s Disease
Loukya Kanakamedala, Moravian College

CHEMICAL ENGINEERING
University Center Ballroom - Kiosk 15 Side C
Applying Ion Exchange to a Complex Wastewater System: Evaluation of Phosphorus-compounds Adsorption and Product Purification
Felip Reyes Gaibor, University of Minnesota, Twin Cities

University Center Ballroom - Kiosk 16 Side A
Reactive Ion Etching: Etch Protocols for an FR-4 Epoxy Composite in a N2/O2/CF4 Plasma Asher
Matthew Olson, University of Wisconsin - Stout

CHEMISTRY
University Center Ballroom - Kiosk 20 Side B
Analysis of Elemental Concentrations in Tree Leaves from Costa Rican Lowland Tropical Forests
Joshua Sager, North Central College

University Center Ballroom - Kiosk 21 Side B
Developing a Technique for Chromium Speciation Analysis Using Inductively Coupled Plasma Optical Emission Spectrometer
Bianca Paul, Suffolk County Community College

University Center Ballroom - Kiosk 22 Side B
Enhancing Enzyme Activity with Ultrasounds
Tamera Taylor, University of West Georgia

University Center Ballroom - Kiosk 23 Side B
HPLC Method Development & Validation for Quantitative Determination of Kidney Cancer Biomarkers in Human Urine
Ting An Yen, University of Central Oklahoma

University Center Ballroom - Kiosk 24 Side B
Luminescent Studies of Europium Metal Ion-Doped NaYF4 Nanoparticles
Paige Phillips, Western Carolina University

University Center Ballroom - Kiosk 26 Side A
Development Electrochemical Sensors Using Graphene Based Ionophore-Doped Double Polymeric Membrane to Monitor Heavy Metals
Giang Hoang, Arkansas State University

University Center Ballroom - Kiosk 26 Side B
Quantum Mechanical Investigations of Mechanophores
Logan James, Mississippi State University

University Center Ballroom - Kiosk 27 Side B
Study of the Photoacoustic Effect on C2H4 at High Concentrations, at Trace Detects in N2, and Detect Concentrations of Gas in Fruit
David Ide, University of Tennessee at Chattanooga

University Center Ballroom - Kiosk 28 Side B
Synthesis and Characterization of the Zinc Complex of 5,10,15,20-tetra[3,4-dibenzyloxyphenyl]porphyrin
Hayes Palacio, University of Montevallo

University Center Ballroom - Kiosk 30 Side B
Understanding Reactivity in Molten Salt Solutions
Tina Slack, University of Wisconsin - Whitewater

CLINICAL PSYCHOLOGY
University Center Ballroom - Kiosk 32 Side B
Animal Assisted Therapy, Mood, and Social Facilitation
Alexandra Steel, Eastern Connecticut State University

University Center Ballroom - Kiosk 33 Side B
Examining the Interrater-Reliability of the Levels of Personality Functioning Scale
Andrea Baltazar, University of Texas at El Paso

University Center Ballroom - Kiosk 35 Side A
Is There a Relationship Between Borderline Personality Disorder Features and Inflammation?
Margaret Walsh, Ohio State University
**Student Poster Session 10 - Sat 8:00am-9:00am**

**University Center Ballroom - Kiosk 36 Side A**
Public Observation of Behavior Towards People with Physical Disabilities
Tara Davison, Stetson University

**COGNITIVE NEUROSCIENCE**
**University Center Ballroom - Kiosk 36 Side B**
Hemispheric Differences in Change Deafness
Samantha Noll, University of Wisconsin - Parkside

**University Center Ballroom - Kiosk 37 Side B**
The Cerebellum’s Relationship to Language Function
Sophia Tchir, Florida International University

**COMMUNICATION SCIENCES AND DISORDERS**
**University Center Ballroom - Kiosk 35 Side C**
Speech Recognition Errors: Implications for Aging
Rachel Short, University of South Alabama

**COMMUNICATIONS**
**University Center Ballroom - Kiosk 38 Side B**
Disney’s Moana (2016) and Hayao Miyazaki’s Princess Mononoke (1997): The Depiction of the Female Heroine in Film Spanning Over Twenty Years
Kawehiokekai Moefu, Chaminade University of Honolulu

**University Center Ballroom - Kiosk 39 Side B**
Technology Usage and User Age, Effecting Well Being
Kayla Tenore, Eastern Connecticut State University

**COMPUTER ENGINEERING**
**University Center Ballroom - Kiosk 24 Side C**
Visualizing Meteorological Data Using Virtual Reality
Emily Harrington, Saint Cloud State University

**COMPUTER SCIENCE**
**University Center Ballroom - Kiosk 16 Side C**
Visual Exploration of Collegiate Basketball Schedules Aided by Rvest Data Scraping
Christopher Nobblitt, North Carolina State University

**University Center Ballroom - Kiosk 36 Side C**
Computer Program to Analyze Skilled Motor Control
Meghana Somsale, University of Michigan

**University Center Ballroom - Kiosk 38 Side C**
Parallel Computing with a Raspberry - Pi ( Rpi )
Beowulf Cluster Using Open MPI
Zachary Eckert, Bellarmine University

**ECOLOGY & ORGANISIMAL BIOLOGY**
**University Center Ballroom - Kiosk 42 Side C**
Invasion of the Middle Creek Watershed by Rusty Crayfish (Orconectes rusticus)
David Zinn, Susquehanna University

**University Center Ballroom - Kiosk 43 Side C**
Testing the Utility of Stable Isotopes for Analyzing Bee Foraging Across Habitats
Robert Burkhart, Ohio State University

**University Center Ballroom - Kiosk 44 Side A**
What Does The Fox Say? A Comparison of Rural and Urban Red Fox Vocalizations
Savanah Leidholt, Montana State University Bozeman

**ECONOMICS**
**University Center Ballroom - Kiosk 39 Side A**
Does the Qualified Targeted Industry Tax Refund Attract New Businesses?
Cameron Letch, Florida Gulf Coast University

**EDUCATION**
**University Center Ballroom - Kiosk 17 Side B**
Validating the Instructional Hierarchy
Josie Mikosch, Minnesota State University, Mankato

**University Center Ballroom - Kiosk 28 Side A**
Effects of Student Teachers on Students with Emotional Behavior Disorder
Kaitlin Spell, Georgia Southern University

**University Center Ballroom - Kiosk 38 Side A**
A Meta-Analysis of Federally Funded Retention and Graduation Programs
Chanz Bayliss, University of Central Oklahoma
University Center Ballroom - Kiosk 40 Side B
*A Study of Birth Order and Academic Achievement*
Hannah Schmitt, California University of Pennsylvania

University Center Ballroom - Kiosk 41 Side B
*Document-Based Learning: Outside Advanced Placement and Inside Student Minds*
Miriam Roth, Hope College

University Center Ballroom - Kiosk 42 Side B
*Kinesthetic Reading*
Brandi Whitman, Lebanon Valley College

University Center Ballroom - Kiosk 43 Side A
*Deep Water Passive Acoustic Fathometry*
Eric Harris, United States Coast Guard Academy

University Center Ballroom - Kiosk 44 Side A
*Quantitative Analysis of Developmental Genes in Zebrafish Raised in Impaired Waters*
Kathryn Bell, Longwood University

University Center Ballroom - Kiosk 44 Side B
*Assessment of a Humane Education Summer Camp at the Oregon Humane Society: Effects on Self Image, Empathy and Attitudes Towards Animals*
Lindsey Chan, Dominican University of California

University Center Ballroom - Kiosk 45 Side B
*Conceptual Mappings Underlie Age of Second Language Acquisition Effects*
Jordan Pritt, Westmoreland County Community College

University Center Ballroom - Kiosk 46 Side B
*Early Behavioral and Physiological Predictors of Autism in 12-month-old Siblings of Children with Autism*
Nicolas Poupore, University of South Carolina - Columbia

University Center Ballroom - Kiosk 47 Side B
*Friendship, Victimization, and Peer-Interactions Among School Aged Children Home Life and Mental Health*
Emily Miller, Moravian College

University Center Ballroom - Kiosk 48 Side B
*Intrinsic and Extrinsic Motivation as Predictors of Anxiety and Depression*
Sydney Batchelder, Eastern Connecticut State University

University Center Ballroom - Kiosk 49 Side B
*Parent Guidance in Learning Math and Science at Home*
Hailey Fleishman, Elon University

University Center Ballroom - Kiosk 50 Side B
*Teaching Operant Conditioning Principles to Students: Making the World a Better Place*
Dominic Ingram, University of Memphis

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Dominic Ingram, University of Memphis
Student Poster Session 10 - Sat 8:00am-9:00am

University Center Ballroom - Kiosk 52 Side B
The Influence of Humor on Relationship Quality and Conflict Resolution
Jack Ray, University of Wisconsin - Eau Claire

University Center Ballroom - Kiosk 53 Side B
Using Fear-Potentiated Startle to Examine Sex-Related Factors in Test Anxiety
Rebekah Fallin, Kennesaw State University

University Center Ballroom - Kiosk 45 Side A
Calculating Aeolian Sediment Dynamics Relative to Varying Concentrations of the Gravel Lag
Tynon Briggs Briggs, University of West Florida

University Center Ballroom - Kiosk 47 Side A
Geochronal Assessment of Lead Bioavailability in Urban Soils
Joshua Pigg, Indiana State University

University Center Ballroom - Kiosk 49 Side A
Social Benefits of Community Gardens: Exploring the Role of Student Scholarship and Community Research Mentorship in Garden-based Food Justice Practice
Elise Hanson, Hamline University

University Center Ballroom - Kiosk 50 Side A
Trash Accumulation on UWRF Campus
Kalley Swift, University of Wisconsin - River Falls

University Center Ballroom - Kiosk 60 Side B
Hidden Voice Problems in the High-risk Population: Early Intervention for Professional Voice Users
Julia Richardson, Lamar University

HISTORY
University Center Ballroom - Kiosk 17 Side C
"Your Humble Petitioners Do Ever Pray": Native American Civil Rights Activists and Petitioners in the Mashpee Revolt of 1833-34
Alina Scott, Southern Nazarene University

University Center Ballroom - Kiosk 40 Side C
The Bill of Rights and American Slavery: Contextualizing George Mason in an Era of Slavery
DESMOND L. MOFFITT, George Mason University

KINESIOLOGY & EXERCISE SCIENCE
University Center Ballroom - Kiosk 57 Side A
Exercise Duration and Associated Fitness Improvements
Leigha Emberton, St. Catherine University

University Center Ballroom - Kiosk 58 Side A
Perception of Body Weight
Kylie Kenedy, University of Nebraska at Kearney

University Center Ballroom - Kiosk 59 Side A
The Relationship Between Motivational Factors and CrossFit Training Participation Across Different Age Groups
Ashton Matson, Kennesaw State University

HEALTH SCIENCES
University Center Ballroom - Kiosk 40 Side A
Regeneration: One Tooth at a Time
Sarah Marshall, Westmoreland County Community College

University Center Ballroom - Kiosk 59 Side B
Effect of CrossFit on Academic Performance and Examination Stress in Pre-Professional Undergraduate Students
Kaitlyn Brunworth, Wingate University

University Center Ballroom - Kiosk 60 Side A
Preoperative Indicators of Index Hospitalization Death in LVAD Patients
Morghan Jameson, Lipscomb University

LITERATURE
University Center Ballroom - Kiosk 62 Side B
Dürrenmatt’s Der Besuch Der Alten Dame: Post-WWII Germany and Contemporary Society in the USA
Alexandria Bassett, North Central College

MANAGEMENT
University Center Ballroom - Kiosk 15 Side B
Perspectives of a New College President: An Exploratory Study
Ariana French, Clark Atlanta University
MATHEMATICS
University Center Ballroom - Kiosk 55 Side A
Beyond the Pythagorean Theorem
Krissa Boman, College of St Scholastica

University Center Ballroom - Kiosk 56 Side A
The Maximum Minimal Distance
Christine Izyk, State University of New York-Brockport

MECHANICAL ENGINEERING
University Center Ballroom - Kiosk 18 Side B
Aerodynamic and Performance Optimization of a Large Scale RC Solar Aircraft
Jackson Fadely, Florida International University

University Center Ballroom - Kiosk 52 Side A
Computational Simulation of Ionic Liquids at Mesoscale with Accurate Prediction of Dynamics Using Coarse-Graining Approach
Justin King, University of Kentucky

University Center Ballroom - Kiosk 54 Side A
Seismic Reinforcement Analysis Of The Triumphal Arch Of The Church Of Andahuaylillas, Peru
Catherine Yip, University of Rochester

MICROBIOLOGY & IMMUNOLOGY
University Center Ballroom - Kiosk 3 Side B
The Structure of Heparan Binding Peptides Affects the Efficacy of Cytomegalovirus Entry Blockade
Ravi Patel, University of Tennessee at Knoxville

University Center Ballroom - Kiosk 13 Side B
Antibiotic Resistance Genes in Minnesota Soil Bacteria from Areas of High and Low Ferric Iron
Gunner Drossel, Hamline University, St. Paul

University Center Ballroom - Kiosk 32 Side A
Fecal Coliform Levels In Stormwater Fed Cannon Hill Park Pond Significantly Increased Following Rain Events
Veronica Albrecht, Eastern Washington University

University Center Ballroom - Kiosk 33 Side A
Prevalence of Pathogenic Isolates in Migratory Birds and Transfer to Local Populations
Qianying He, Midwestern State University

NURSING
University Center Ballroom - Kiosk 54 Side B
College Student’s Perceptions of How Their Experiences with Healthcare Providers Impact Their Willingness to Seek Future Care
Jenna Ripperton, Gustavus Adolphus College

University Center Ballroom - Kiosk 55 Side B
Health Promotion and Chronic Disease Prevention: Personal and Professional Care
Danielle Olsen, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 56 Side B
Level of Education and Depressive Symptoms Are Associated with Fatigue Self-management in Women with Recurrent Ovarian Cancer
Mariah Swisher, University of Pittsburgh School of Nursing

University Center Ballroom - Kiosk 58 Side B
The Transition: Disease Knowledge and Transition Readiness
Ebony Johnson, University of South Alabama

PHYSICAL/OCCUPATIONAL THERAPY/SPEECH LANGUAGE PATHOLOGY
University Center Ballroom - Kiosk 31 Side A
Outcomes Measures for Post-surgical Shoulder Rehabilitation
Callen Maupin, University of Nebraska at Kearney

PHYSICS
University Center Ballroom - Kiosk 32 Side C
Electrospun Nanocellulose-based Nanofibers: The Effect of Cellulose Particle Size and Morphology
Katrina Hatch, University of Alabama at Birmingham
<table>
<thead>
<tr>
<th>Session Area</th>
<th>Poster Session Area</th>
<th>Title</th>
<th>Presentation Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Center Ballroom - Kiosk</td>
<td>Kiosk 33 Side C</td>
<td>IR Applications of Er-Doped CsCl-Ga-Ge-S Glasses</td>
<td>26 Side C</td>
</tr>
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<td>Jonathan Bunton, Austin PEAY State University</td>
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<td>University Center Ballroom - Kiosk</td>
<td>Kiosk 34 Side C</td>
<td>Temperature Dependence of Electrostatic Discharge in Highly Disordered Insulating Polymers</td>
<td>27 Side C</td>
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<td>Tyler Kippen, Utah State University</td>
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<td>PHYSIOLOGY</td>
<td>University Center Ballroom - Kiosk 30 Side A</td>
<td>Hibernator and Non-Hibernator Responses to Acute Changes in Water Intake</td>
<td>28 Side C</td>
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<td>Sydni Andruskiewicz, College of Saint Benedict/ St. John’s University</td>
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<td>POETRY &amp; CREATIVE WRITING</td>
<td>University Center Ballroom - Kiosk 30 Side C</td>
<td>Ward’ and Understanding Divergent Perspectives</td>
<td>29 Side C</td>
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<td>Perrin Shyne, Occidental College</td>
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<td>POLITICAL SCIENCE</td>
<td>University Center Ballroom - Kiosk 29 Side A</td>
<td>Roll-Call Voting in the State Legislature: A Study of Kentucky and Louisiana</td>
<td>31 Side B</td>
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<td>Madison Calhoun, University of Kentucky</td>
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<td>PSYCHOLOGY</td>
<td>University Center Ballroom - Kiosk 8 Side A</td>
<td>Animal Empathy Among Disabled Veterans</td>
<td>25 Side B</td>
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<td>LaRae Crenshaw, White Station High School, University of Memphis</td>
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<td>University Center Ballroom - Kiosk 25 Side B</td>
<td>Relationship Between Cultural Communication and Ethnic Identity Development in Middle Adolescents</td>
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<td>Kino Watanabe, White Station High School, University of Memphis</td>
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<td>PUBLIC HEALTH</td>
<td>University Center Ballroom - Kiosk 23 Side A</td>
<td>Awareness of Non-food borne Vectors of Salmonella</td>
<td>23 Side C</td>
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<td>Emily Roy, White Station High School, University of Memphis</td>
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<td>University Center Ballroom - Kiosk 26 Side C</td>
<td>An Investigation of Implicit Personality Theories and Mechanisms of Coping</td>
<td>24 Side C</td>
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<td>Megan Tracy, Ithaca College</td>
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<td>University Center Ballroom - Kiosk 27 Side C</td>
<td>Examining the Correlation Between Alcohol Consumption and Basal Metabolic Rate</td>
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<td>Lamuel Bean, Miami University</td>
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<td>University Center Ballroom - Kiosk 28 Side C</td>
<td>Impact of Urban Commuter Biking on Cardiovascular Health</td>
<td>26 Side C</td>
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<td>Brian Perez, City University of New York- John Jay College of Criminal Justice</td>
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<td>University Center Ballroom - Kiosk 29 Side C</td>
<td>Residential Proximity to Cropland and Cancer Incidence in Oklahoma</td>
<td>27 Side C</td>
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<td>Seth Odam, Southwestern Oklahoma State University</td>
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<td>RECREATION AND LEISURE STUDIES</td>
<td>University Center Ballroom - Kiosk 31 Side B</td>
<td>Positive Effects of Leisure on Adults with Schizophrenia: A Case Study</td>
<td>32 Side B</td>
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<td>Aaliyah Granger, University of Southern Mississippi</td>
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<td>SOCIOLOGY</td>
<td>University Center Ballroom - Kiosk 21 Side C</td>
<td>Adolescence in the Church: Perspectives from College Students and Adults on Mentorship and Spiritual Formation</td>
<td>22 Side C</td>
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<td>Savannah Spicer, John Brown University</td>
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<td>University Center Ballroom - Kiosk 22 Side C</td>
<td>Filial Piety in Confucianism and the Educational Expectations of Chinese Parents in China vs. Chinese Immigrant Parents in the United States</td>
<td>23 Side C</td>
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<td>Jennifer Mak, Virginia Commonwealth University</td>
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<td>University Center Ballroom - Kiosk 23 Side C</td>
<td>Raters’ Perception of Impression of Attire and Its Influence on Perceptions of Professionalism</td>
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<td>Deja Prince, Wingate University</td>
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Student Poster Session 11 - Sat 9:20am-10:20am

ANTHROPOLOGY
University Center Ballroom - Kiosk 1 Side C
Anger and Culture
Angeline Nesbit, Eastern Washington University

University Center Ballroom - Kiosk 2 Side A
Pine County Burial Recovery: A Biocultural Analysis of the Skeletal Remains of the Pokegama Mission Site
Natasha Johnson, Hamline University

ART HISTORY
University Center Ballroom - Kiosk 1 Side A
Institutionalized Authority: Production of Royal Identity in the Bamileke Tribe and National Identity in the United States
Oliver Ellington, University of Central Oklahoma

ASTRONOMY
University Center Ballroom - Kiosk 3 Side A
Developing a Flat Field System for Austin Peay State University’s 20-inch Telescope
Richard Borges, Austin PEAY State University

BEHAVIORAL NEUROSCIENCE
University Center Ballroom - Kiosk 3 Side C
Complement Receptor Type 1 Polymorphisms Associated with Reduced Cortical Volume and Thickness in Healthy Middle-Aged Adults
Hannah Scherkenbach, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 4 Side A
Females of a Moth with Two-celled Ears Discriminate Acoustic Stimuli with Different Temporal Patterns
Jessica Hernandez, Florida International University

University Center Ballroom - Kiosk 4 Side C
The Effect of REM Sleep on Cortisol Levels and Perceived Happiness
Samantha Edmunds, Weber State University

BIOCHEMISTRY
University Center Ballroom - Kiosk 5 Side A
Analysis of Small Molecule Antagonist Binding with Relaxin Receptor
Briana Cervantes, Florida International University

University Center Ballroom - Kiosk 5 Side B
Computational Docking of Uric Acid Derivatives That Can Bind to Xanthine Oxidase
Lysengkeng Her, University of Wisconsin - Eau Claire

University Center Ballroom - Kiosk 6 Side A
In Vivo Analysis of Aerobic Terminal Reductases in Shewanella oneidensis
Brittany Ladson, Michigan State University

University Center Ballroom - Kiosk 6 Side C
Structural and Biochemical Characterization of Spa47 Provides Mechanistic Insight into Type III Secretion System ATPase Activation and Shigella Virulence Regulation
Jenna Bouvang, Utah State University

BIOLOGY
University Center Ballroom - Kiosk 7 Side C
A Drosophila Puparial Skin Protein That Is Regulated Through the Ligand Binding Pocket of Drosophila USP (RXR)
Elizabeth Barajas, University of Kentucky

University Center Ballroom - Kiosk 8 Side A
An In-Vitro Iron Deficient Cortical Striatal Culture Model
Emily Larson, University of Minnesota, Twin Cities

University Center Ballroom - Kiosk 8 Side B
Assessing the Gut Microbiota Composition in Flies with Poor Brain Physiology
Ana Barajas, University of West Florida
University Center Ballroom - Kiosk 8 Side A
Biomechanical Properties of Snapping Behavior in Mature and Regenerating Chela in the Snapping Shrimp, Alpheus Angulosus
Needhee Patel, College of Charleston

University Center Ballroom - Kiosk 9 Side A
Comparative Analysis of Freshwater Microbial Diversity
Masha Kinley, Webster University

University Center Ballroom - Kiosk 9 Side B
Cytokine Production by Rat Mesothelial Cells Exposed to Carbon Nanotubes Functionalized by Atomic Layer Deposition (ALD) Coating as a Means of Assessing Risk for Mesothelioma
Sreepadha Sridharan, North Carolina State University

University Center Ballroom - Kiosk 9 Side C
Effect of Inflammation on miRNA Expression in Pancreatic Beta Cells and Their Exosomes
Luciarita Boccuzzi, Florida International University

University Center Ballroom - Kiosk 10 Side A
Electrical Responses of an Electric Fish to the Isolated Electrical Signal of an Intruder
Leah Adams, Spelman College

University Center Ballroom - Kiosk 10 Side B
Extreme Kinesis: A Comparative Study of Prey Handling in Snakes
Josh Levano, Moravian College

University Center Ballroom - Kiosk 10 Side C
Genetic Identification of Fungal Samples from Select Missouri and Illinois Caves: Implications for the Distribution of Pseudogymnoascus destructans and White Nose Syndrome
Sandra Van Berkel, Maryville University of Saint Louis

University Center Ballroom - Kiosk 11 Side A
Identification of Lichens - A Comparison Between Old and New Techniques
Austin Adam, Bellarmine University

University Center Ballroom - Kiosk 11 Side C
JAZ Genes Levels During Infection of Parasitic Root-Knot Nematode in Arabidopsis
Ashley Smith, Bridgewater State University

University Center Ballroom - Kiosk 12 Side A
Mechanisms Through Which REPO and PNTP1 Determine Longitudinal Glial Cell Fate
Amy Van Tassel, Susquehanna University

University Center Ballroom - Kiosk 12 Side B
New Insights in Corynebacterium Phage Infection
Emily Page, University of Alabama at Birmingham

University Center Ballroom - Kiosk 12 Side C
Pro-inflammatory Effect of Dengue Virus Ns1 and Envelope Proteins in Cultured Human Articular Chondrocytes
Taylor Derby, James Madison University

University Center Ballroom - Kiosk 13 Side A
Role of the Numb Protein in Synaptic Development, Synaptic Plasticity, and Locomotion
Katherine Stuart, Truman State University

University Center Ballroom - Kiosk 13 Side C
The Long Road to Recovery: How Can We Coax the Brain to Self-repair?
Christina Welch, Eastern Connecticut State University

University Center Ballroom - Kiosk 14 Side A
Uses and Benefits of the MultispeQ to Better Understand the Physiology of Arabidopsis Plants Grown Under Abiotic Stress Conditions
Erin Langley, Arkansas State University

University Center Ballroom - Kiosk 14 Side B
Detection of Prostaglandin-E-Metabolite (PGEM) in a Microfluidic Device
Shelby Morris, University of Central Oklahoma

University Center Ballroom - Kiosk 15 Side A
The Effects of Obesity on Bone-Promoting Endothelial Cells in Mouse Tibiae
Michael Ashburn, North Carolina State University

BIOMEDICAL ENGINEERING

University Center Ballroom - Kiosk 14 Side B
Detection of Prostaglandin-E-Metabolite (PGEM) in a Microfluidic Device
Shelby Morris, University of Central Oklahoma
**BUSINESS/FINANCE/ACCOUNTING**

**University Center Ballroom - Kiosk 18 Side C**
Impact Investing: A Culturally Alert Approach with Zambian Honeybees  
Katelyn Woten, Black Hills State University

**University Center Ballroom - Kiosk 19 Side A**
Exchange Rate Regimes and the Global Financial Markets  
Charles Rodgers, University of Memphis

**CELL & MOLECULAR BIOLOGY**

**University Center Ballroom - Kiosk 19 Side B**
“Risk” Alleles on Oxytocin Receptor Gene and Triadic Family Interactions in a Trauma-Exposed Sample  
Camilla Cascardo, Wayne State University

**University Center Ballroom - Kiosk 20 Side A**
Functional Study of Cancer Patient-associated Bcl-xL Mutants: A Step Towards Personalized Medicine  
Sharon Pang, Macaulay Honors College - Hunter

**University Center Ballroom - Kiosk 21 Side A**
Identifying Potentially Oncogenic Downstream Targets of the Hippo-YAP Signaling Pathway in Liver Cancer  
Matt Maxwell, Southeastern Oklahoma State University

**University Center Ballroom - Kiosk 22 Side A**
Molecular Genetic Analysis of 5’-3’ Exoribonuclease (Xrn) Mutants in the Model Green Alga Chlamydomonas reinhardtii  
Daniela Castellanos, University of Wisconsin - Parkside

**University Center Ballroom - Kiosk 23 Side A**
Something’s Fishy: Developing a DNA Isothermal Amplification Technology for Discriminating Related Fish Species in Fighting Food Fraud  
Lindsey George, Arkansas State University

**University Center Ballroom - Kiosk 24 Side A**
Uncovering Pathways to Longevity Through the SIRT6 Ribosylome and Interactome  
Rosa Park, University of Rochester

**CHEMICAL ENGINEERING**

**University Center Ballroom - Kiosk 15 Side C**
Assessing Biodegradable Lignin Nanoparticles (EBNP) Behavior and the Coffee-Ring Effect  
Jeelan Rahhal, North Carolina State University

**University Center Ballroom - Kiosk 16 Side A**
Wash Coat, Viscosity, and Effective Catalytic Substrates  
Olivia George, University of Tennessee at Chattanooga

**CHEMISTRY**

**University Center Ballroom - Kiosk 21 Side B**
Developing Chemical Inhibitors to Investigate the Function of Falcilysin, an Essential Malarial Protease  
Hannah Fejzic, California State University - San Bernardino

**University Center Ballroom - Kiosk 22 Side B**
Estrone Reaction During Simulated Wastewater Treatment  
Trevor Wendt, University of Wisconsin - Whitewater

**University Center Ballroom - Kiosk 23 Side B**
Human Bone Absorption of Mercury and Other Heavy Metals  
Alyssa Fernandez, University of Wisconsin - Whitewater

**University Center Ballroom - Kiosk 24 Side B**
Measuring the Binding Energy of Glucose to GGBP Computationally  
Nicholas Rigel, Wittenberg University
Student Poster Session 11 - Sat 9:20am-10:20am

University Center Ballroom - Kiosk 25 Side B
Photoredox Catalysts and Their Applications in Organic Synthesis
Shannon Saluga, University of Toledo

University Center Ballroom - Kiosk 26 Side B
Removal of an Endocrine Disruptor by Clay-like Oxides
Kristiana Watson, Arkansas State University

University Center Ballroom - Kiosk 27 Side B
Surface-Enhanced Raman Spectroscopy Detection of Neurotransmitters
Emily Kounlavong, University of Tennessee at Knoxville

University Center Ballroom - Kiosk 28 Side B
Synthesis of A-Substituted Ethers Via an Oxonium Ion Intermediate
John Hood, University of Southern Mississippi

University Center Ballroom - Kiosk 29 Side B
The Enantioselective Synthesis of Dihydropyridinones Using Lewis Acid Catalysis Via Aza-Diels Alder Reactions
Sarina Jenkins, Seattle University

University Center Ballroom - Kiosk 30 Side B
Using High-Performance Liquid Chromatography to Determine a Drug’s Ability to Permeate the Blood-Brain-Barrier for the Treatment of Alzheimer’s Disease
Paul Espinosa, Georgia College and State University

CLINICAL PSYCHOLOGY

University Center Ballroom - Kiosk 32 Side B
Changes in College Students’ Heroism Concepts Following a Heroism-themed Title I School Intervention
Angel Peralta, The Citadel

University Center Ballroom - Kiosk 33 Side B
Family Matters: Toward a Model of Leadership Skill Development for 6th Grade Students
Elijah Younger, Clark Atlanta University

University Center Ballroom - Kiosk 35 Side A
Memento Mori: The Relationship Between Defensive Theology and Adaptive Memory Recall
Jermy Famell, Southern Nazarene University

University Center Ballroom - Kiosk 36 Side A
Racial Microaggressions Impact on Mental Health for Black Women of Different Occupational Statuses
Esthanette Reid, University of Massachusetts Boston

University Center Ballroom - Kiosk 37 Side A
The Impact Social Withdrawal in Depression Has on Social Functioning
Clayton Allred, Mississippi State University

COGNITIVE NEUROSCIENCE

University Center Ballroom - Kiosk 36 Side B
Individual Differences in Emotion-cognition Interaction: Effect of Serotonin Transporter Genotype on Positive and Negative Emotional Distractor Suppression
Roxanna Flores, Florida International University

University Center Ballroom - Kiosk 37 Side B
The Effects of Social Exclusion on Risky Decision Making
Eboney Nedd, Adelphi University

COMMUNICATION SCIENCES AND DISORDERS

University Center Ballroom - Kiosk 35 Side C
The Prevalence of Noise-induced Hearing Loss (NIHL) in Middle School and High School Band Students
Kelsey Dougherty, Eastern Illinois University

COMMUNICATIONS

University Center Ballroom - Kiosk 38 Side B
Forming University Flash Flood Mitigation Messages For Twitter
Sarah Draper, Texas Tech University

University Center Ballroom - Kiosk 39 Side B
The Absence of Emotion in Texting: Whether Emoji Expression Reduces Misinterpretation in Communication
Symone Thomas, Clark Atlanta University

COMPUTER SCIENCE

University Center Ballroom - Kiosk 16 Side C
Web Application Security Exercise and Training Platform
Berkeley Willis, University of Memphis
University Center Ballroom - Kiosk 36 Side C
Creating Georeference Maps in GPS Denied Areas Through UAS
Joseph Maes, Saginaw Valley State University

University Center Ballroom - Kiosk 38 Side C
Puzzle Based Game for Learning Cybersecurity
Robert Edstrom, University of Memphis

CRIMINOLOGY
University Center Ballroom - Kiosk 2 Side C
A Case Study of New Hanover Regional Medical Center’s Evacuation Plan’s Adherence to Best Practices
Peter Milller, Western Carolina University

University Center Ballroom - Kiosk 4 Side B
Identifying Sexual Encounters as Rape and Rape Myth Acceptance
Kylie Kuglar, Kennesaw State University

University Center Ballroom - Kiosk 34 Side B
The Legal and Ethical Justifications of the Use of U.S. Drones in the Middle East
Katherine Wyant, Eastern Kentucky University

ECOLOGY & ORGANISMAL BIOLOGY
University Center Ballroom - Kiosk 41 Side C
Does Marking With DayGlo ECO Aurora Pink Pigment Powder Affect the Development or Survival of Monarch Caterpillars?
Nancy Shryock, Iowa State University

University Center Ballroom - Kiosk 42 Side C
Invasive Earthworm Distribution on Islands of the Boundary Waters Canoe Area Wilderness
Jenna Barlow, University of Wisconsin - Eau Claire

University Center Ballroom - Kiosk 43 Side C
The Effect of Single and Multiple Courting Males on Female Mating Decision Rules in the Wolf Spider Tigrosa helluo
Andrea Mobley, Susquehanna University

EDUCATION
University Center Ballroom - Kiosk 2 Side B
The Value of Formal and Informal Assessments in the Classroom
Jocelyn Puckett, University of Central Oklahoma

University Center Ballroom - Kiosk 17 Side B
Webster County College and Career Readiness Workshop
Erin Kiker, Appalachian State University

University Center Ballroom - Kiosk 38 Side A
A Path Toward Multiplicative Reasoning with Understanding
Julia Pendola, Salisbury University

University Center Ballroom - Kiosk 40 Side B
African American Males Perception of High School Teacher Efficacy
Carl Greer, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 41 Side B
Does Alabama Spend Enough Per Pupil?: An In-depth Analysis of Per Pupil Expenditures in Alabama
Jordan Giddens, University of Alabama at Birmingham

University Center Ballroom - Kiosk 42 Side B
Limiting Learning: The Effect of Labeling Students as Learning Disabled on Academic Performance
Stephanie Prasser, University of Wisconsin - La Crosse

University Center Ballroom - Kiosk 43 Side B
Story Dictation in Early Childhood
Catherine Messner, University of Central Oklahoma

ELECTRICAL ENGINEERING
University Center Ballroom - Kiosk 18 Side A
Optimization of UV Stabilization Processes for Critical Dry Etch Applications
Alam Figueroa Aguilar, Cabrillo College

ENGINEERING/ENGINEERING TECHNOLOGY
University Center Ballroom - Kiosk 16 Side B
Living Up to Your Injectors Expectations
Colton Cavalli, Utah Valley University
ENGLISH
University Center Ballroom - Kiosk 42 Side A
When The Emperor Was Divine and The Gangster We Are All Looking For: The Struggle for Identity as an Asian American
Ashley Pham, University of the Pacific

University Center Ballroom - Kiosk 17 Side A
Sustainability Index
Alexis Smoot, Florida International University

ENVIROMENTAL ENGINEERING
University Center Ballroom - Kiosk 17 Side A
Factors That Explain Learning in a Narrative Comprehension Intervention for Children At-Risk for ADHD
Allison French, University of Kentucky

ENVIROMENTAL STUDIES & SCIENCES
University Center Ballroom - Kiosk 34 Side A
Raising Aquatic Vertebrates in Impaired Waters Causes a Mis-expression of Genes Leading to Developmental Malformations
Melanie Books, Longwood University

EXPERIMENTAL PSYCHOLOGY
University Center Ballroom - Kiosk 44 Side B
Audio-Racial Bias
Mohamed Gaye, University of Memphis Lambuth

University Center Ballroom - Kiosk 45 Side B
Context Effect of Physical Effort on Object Location Memory
Brian Silverman, Eastern Illinois University

University Center Ballroom - Kiosk 46 Side B
Effect of Size on Drosophila m. Visual Acuity
Zolla Brummer, Florida International University

University Center Ballroom - Kiosk 47 Side B
Higher-Level Health Habits: MyPlate Guidelines
Madeline Johnson, Iowa State University

University Center Ballroom - Kiosk 48 Side B
Long-Term Memory Recall and Mental Rotation Accuracy Within an Augmented Reality Sandbox
Nathaniel Patton, University of North Georgia

University Center Ballroom - Kiosk 49 Side B
Paternal Psychopathology and Parenting Attitudes From Infancy to School Age
Jacqueline Szabat, State University of New York- Buffalo

University Center Ballroom - Kiosk 50 Side B
Rats Remember Items in Context Using Episodic Memory
Stefan Dalecki, Indiana University

University Center Ballroom - Kiosk 51 Side B
Factors That Explain Learning in a Narrative Comprehension Intervention for Children At-Risk for ADHD
Allison French, University of Kentucky

GEOGRAPHY & EARTH SCIENCES
University Center Ballroom - Kiosk 45 Side A
Campus to Country, Is the Consensus on Climate Change Really What You Think It Is?
Amber Lahay, Salisbury University

University Center Ballroom - Kiosk 46 Side A
Determination of Elemental Arsenic and Leachable Arsenic in Aquifer Sediment Samples of Bangladesh
Razoana Ferdous, City University of New York- York College

University Center Ballroom - Kiosk 47 Side A
Growing Cat Populations in a Welcoming World
Samantha Ellis, University of West Florida

University Center Ballroom - Kiosk 48 Side A
Microclimate Gradients and Their Relationships to Terrestrial and Subterranean Biodiversity Along the High Knob Landform, Virginia
Candon Gardner, The University of Virginia’s College at Wise

University Center Ballroom - Kiosk 49 Side A
Solving the Environmental Beef Crisis
Anna Bornstein, Ithaca College

University Center Ballroom - Kiosk 50 Side A
Trophic Cascades and Conservation: Analyzing the San Juan National Forest as a Potential Extension of the Mexican Gray Wolf Recovery Program
Rachel Utt, Carthage College
HEALTH SCIENCES
University Center Ballroom - Kiosk 40 Side A
Raising Awareness of Mental Health in Teenagers
Haley Oestreich, Eastern Washington University

University Center Ballroom - Kiosk 59 Side B
Effects of 5-fluorouracil on Bifidobacteria, Lactobacillus, Bacteroides, and Escherichia coli in Vitro
Adrienne Carlson, Weber State University

University Center Ballroom - Kiosk 60 Side A
Prevalence and Incidence of Health Risk Factors Among Adolescent Girls
Kylah Pollard, Kennesaw State University

University Center Ballroom - Kiosk 60 Side B
Hunger Games: No Weigh To Live; Dental Effects of Food Addiction
Jacqlyn Muscatello, Westmoreland County Community College

University Center Ballroom - Kiosk 61 Side B
New to the USA: Arresting Decay
Alicia Hargenrader, Westmoreland County Community College

JOURNALISM
University Center Ballroom - Kiosk 31 Side B
The Effects of Images to Challenge Public Opinion in Regards to People of Islamic Religion
Sarah Fultz, University of Memphis

KINESIOLOGY & EXERCISE SCIENCE
University Center Ballroom - Kiosk 58 Side A
Perceptions of Pokemon Go on Health
Gracia Clark, University of Wisconsin - Eau Claire

University Center Ballroom - Kiosk 59 Side A
The Stimulation of the Genioglossus Via a Mouthpiece and Effect on Respiratory Rate During Steady State Exercise
Jensine Lamira, The Citadel

LINGUISTICS
University Center Ballroom - Kiosk 54 Side A
Learning Adjective Meanings Through Variable Exemplars
Crystal Lee, University of Rochester

LITERATURE
University Center Ballroom - Kiosk 24 Side C
Joshua Chun Wah Kam, Hope College

HISTORY
University Center Ballroom - Kiosk 17 Side C
Baseball and the Culture of Conformity at the Dawn of the Cold War
Darren Beebe, Western Carolina University

University Center Ballroom - Kiosk 40 Side C
The History of Leis in Hawai‘i During Pre-Colonial, Colonial and the Hawaiian Cultural Renaissance Eras
Tyechia Price, Northern Illinois University

INTERNATIONAL STUDIES
University Center Ballroom - Kiosk 62 Side A
Sameness and Difference: Is the United States Capable of Having an International Conversation?
Elizabeth Alexander, Ithaca College

MANAGEMENT
University Center Ballroom - Kiosk 15 Side B
Perspectives on Work-role Performance in Cross-functional Aviation Teams
Christopher Bearden, Middle Tennessee State University

MATHEMATICS
University Center Ballroom - Kiosk 55 Side A
Can Cellular Automata Improve Data Security?
Bailey Stillman, Western Carolina University

MECHANICAL ENGINEERING
University Center Ballroom - Kiosk 18 Side B
Aerodynamic Drag Reduction for a Semi-Trailer Truck Using Geometrically Optimized Rear Trailer Bumps
Taylor Reed, University of Central Oklahoma
Student Poster Session 11 - Sat 9:20am-10:20am

University Center Ballroom - Kiosk 53 Side A
Investigation of Enhanced Water Harvesting of Superhydrophobic Nanostructured Surfaces
Kirby Clayton, Lamar University

MICROBIOLOGY & IMMUNOLOGY
University Center Ballroom - Kiosk 3 Side B
Transcriptome Analysis During Infection by Mycobacteriophages brusacoram and hetaeria Using Total RNA-sequencing
Robert Stenseng, College of St Scholastica

University Center Ballroom - Kiosk 32 Side A
Forensic Sample Digestion: What Microbes Are Eating Human Proteins
Jason Floyd, University of North Alabama

University Center Ballroom - Kiosk 33 Side A
Quorum-Sensing Inhibition by Various Stilbenoids and Their Effect on Biofilm Formation, Swarming Motility, and Toxin Production in Escherichia coli O157:H7
Maria Svagr, Weber State University

University Center Ballroom - Kiosk 34 Side A
The Role of IFN-γ Induced IL-10R1 Expression in Restitution of Epithelial Barrier Function During Intestinal Inflammation
Nathan Blaseg, Montana State University Bozeman

MUSIC
University Center Ballroom - Kiosk 1 Side B
"Keeping Down the Underground:" The Underrated Value of Indie Music Scenes as Economic Development Tools for Small American Cities
Meghan McKinney, Eastern Kentucky University

NURSING
University Center Ballroom - Kiosk 54 Side B
Contextual and Health Services Utilization Factors Associated with Perceptions of Social Stigma Among Urban HIV-infected African-American Men
Marlyatou Diallo, University of Wisconsin - Milwaukee

University Center Ballroom - Kiosk 55 Side B
Homelessness: Attitudes of Nursing Students
Meghan Sergeant, University of South Alabama

University Center Ballroom - Kiosk 56 Side B
Kaitlin Gillespie, Western Carolina University

University Center Ballroom - Kiosk 57 Side B
Recovery Milestones in Stroke Patients and the Reintegration into Community Life
Gracie Glenndinning, Baylor University

University Center Ballroom - Kiosk 58 Side B
The Use of Acupuncture for Cancer Related Pain Symptoms: An Evidenced-based Practice Intervention Project
Stephanie Balsom, Capital University

NUTRITION
University Center Ballroom - Kiosk 35 Side B
Controlling Antimicrobial Activity in Orange Juice Using Orange Oil
Yizhou Ma, University of Minnesota, Twin Cities

PHYSICAL/OCCUPATIONAL THERAPY/ SPEECH LANGUAGE PATHOLOGY
University Center Ballroom - Kiosk 31 Side A
Parental Speech, Language & Attention Concerns of Children Born Preterm
Amanda Evert, University of Nebraska at Kearney

PHYSICS
University Center Ballroom - Kiosk 31 Side C
Barnacle Exoskeleton Formation
Jessica O’Malley, Colgate University

University Center Ballroom - Kiosk 32 Side C
Evaluating Scintillation Properties of Bi3+ and Sb3+-doped LaI3
Daniel Rutstrom, University of Tennessee at Knoxville

University Center Ballroom - Kiosk 33 Side C
LIBS of LIB: Lithium Identification of Batteries Using LIBS
Trevor Olsson, University of West Florida
Student Poster Session 11 - Sat 9:20am-10:20am

University Center Ballroom - Kiosk 23 Side C
Student Standpoints on Internet Privacy
Patrick Nelson, University of Wisconsin - Stout

University Center Ballroom - Kiosk 20 Side C
WOMEN, GENDER, AND SEXUALITY STUDIES
Effects of Attraction and How Individuals Feel They Attract Mates
Meilani Cruz, Trinity Christian College

University Center Ballroom - Kiosk 34 Side C
TiO2 Nanoparticle Layers for Dye-Sensitized Solar Cells
Wyatt Johnson, University of West Georgia

University Center Ballroom - Kiosk 30 Side A
PHYSIOLOGY
Impact of Microcystin on Pre-Existing Liver Disease
Dalal Mahmoud, University of Toledo

University Center Ballroom - Kiosk 30 Side C
POETRY & CREATIVE WRITING
Young Protagonists and the Coming-of-Age Story
Jacqueline Grant, Elon University

University Center Ballroom - Kiosk 28 Side A
POLITICAL SCIENCE
Juvenile Delinquency: Is There an Avoidable Pattern?
Kendall Krach, Salisbury University

University Center Ballroom - Kiosk 29 Side A
Seniority and Patterns of Legislative Production
Kelsey Barthold, Elon University

University Center Ballroom - Kiosk 27 Side C
PUBLIC HEALTH
Exploring the Relationship Between Age of Onset of Smoking and Drug Use
Emily Lekah, University of Minnesota, Twin Cities

University Center Ballroom - Kiosk 29 Side C
Rural Indian Women: The Pathway to Empowerment
Torrey Wyatt, University of Rochester

University Center Ballroom - Kiosk 25 Side C
SOCIAL WORK
Keeping Siblings Connected: A Program Evaluation of Camp to Belong
Amelia O’Rourke, Siena College

University Center Ballroom - Kiosk 22 Side C
SOCIOLOGY
Happiness and Social Connectedness to Queer/Transgender People of Color Spaces Among Queer/Transgender People of Color
Calvin Colvin, University of Alabama at Birmingham
# Index by Institution

## A

- Abilene Christian University: 64, 75, 93, 102, 107, 110, 116, 118
- Alabama A & M University: 172
- Albright College: 56, 66, 120, 124, 160, 183, 184, 196, 207
- American University: 51, 52, 57, 71, 76, 86, 89, 103, 107, 112, 113, 115, 120, 123, 156, 164, 192, 218
- Anderson College: 58, 59, 77, 86, 104, 135
- Anderson College Rainey Annex: 81
- Appalachian State University: 39, 45, 51, 52, 53, 60, 61, 64, 70, 71, 75, 80, 82, 88, 90, 93, 96, 114, 115, 122, 125, 128, 131, 132, 142, 147, 160, 166, 168, 169, 188, 202, 205, 219, 233
- Arkansas State University: 36, 64, 66, 73, 82, 109, 130, 139, 141, 145, 147, 151, 154, 160, 169, 190, 204, 205, 208, 209, 216, 223, 230, 231, 232
- Armstrong State University: 43
- Asbury University: 87, 96, 188, 209
- Ashland University: 82
- Auburn University: 55, 78, 134, 190, 199, 206
- Augsburg College: 144
- Augustana College: 50, 56, 131, 141, 163, 168, 176, 180, 187, 206, 213, 222
- Austin PEAY State University: 36, 81, 103, 110, 140, 147, 164, 173, 192, 201, 225, 228, 229

## B

- Baldwin-Wallace College: 221
- Bay Path College: 212
- Baylor University: 93, 173, 236
- Bellarmine University: 93, 113, 163, 188, 199, 204, 205, 217, 224, 230
- Belmont University: 36, 54, 73
- Bethel College: 107, 161
- Birmingham-Southern College: 96
- Black Hills State University: 42, 47, 50, 58, 67, 74, 76, 86, 136, 142, 150, 152, 169, 196, 210, 231
- Borough of Manhattan Community College: 190
- Bowling Green State University: 169
- Bridgewater State University: 36, 46, 49, 51, 56, 57, 58, 60, 68, 85, 94, 95, 104, 107, 112, 121, 122, 128, 136, 141, 144, 158, 178, 188, 190, 197, 198, 204, 208, 213, 230
- Brigham Young University: 103
- Brooklyn College: 49, 52, 57, 58, 78, 81, 99, 113, 123, 129, 130, 136
- Brown University: 197

## C

- Cabrillo College: 233
- California State University - Long Beach: 92, 102, 108, 171, 227
- California State University - San Bernardino: 231
- California State University Monterey Bay: 105, 168, 202
- California State University, Fullerton: 46
- California State University- Bakersfield: 161
- California University of Pennsylvania: 38, 50, 79, 90, 101, 104, 132, 137, 162, 174, 185, 209, 213, 225
- Capital University: 41, 48, 49, 60, 62, 86, 113, 114, 125, 130, 135, 136, 171, 178, 183, 191, 200, 236
- Carleton College: 175
- Carleton University: 60, 106, 204, 214
- Carthage College: 61, 67, 68, 71, 76, 77, 95, 97, 103, 112, 121, 135, 151, 171, 175, 185, 191, 199, 204, 209, 213, 234
- Cedar Crest College: 37, 82, 86, 102
- Cedarville University: 72, 108, 125
- Central Connecticut State University: 64, 131, 133
- Cerritos College: 137
Index by Institution

Chaminade University of Honolulu  60, 76, 224  
Christian Brothers University  98, 116, 184, 198  
Christopher Newport University  215  
City University of New York- Brooklyn College  51, 72, 88, 126, 173  
City University of New York- College of Staten Island  142, 146  
City University of New York- Guttman Community College  109  
City University of New York- John Jay College of Criminal Justice  228  
City University of New York- Lehman College  123  
City University of New York- Queens College  70  
City University of New York- York College  61, 71, 145, 158, 184, 190, 199, 234  
Clark Atlanta University  80, 146, 152, 159, 170, 196, 204, 222, 226, 232  
Coastal Carolina University  123, 145  
Coastal Georgia Community College  55  
Colgate University  40, 41, 62, 64, 81, 236  
College of Charleston  100, 136, 166, 169, 185, 192, 196, 204, 213, 214, 230  
College of Saint Benedict/ St. John’s University  141, 167, 176, 213, 228  
College of St Scholastica  58, 72, 198, 227, 236  
Columbia University  170  
Concordia College - Moorhead  51, 114, 115, 131, 150, 196  
Connecticut College  175, 177  
Corban University  46  
Cornell University  41, 184, 214  
Council on Undergraduate Research  36  
Creighton University  113, 146, 194, 202  

D  
Davidson College  98  
Delaware Technical Community College  200, 221  
Dixie State College of Utah  76  
Dominican College  168, 200  
Dominican University of California  52, 53, 59, 65, 77, 78, 98, 104, 107, 116, 126, 136, 139, 145, 148, 151, 154, 162, 163, 178, 179, 180, 200, 204, 205, 207, 213, 217, 221, 225  
Dordt College  80, 93, 122  
Drake University  91  
Drexel University  61, 64, 83, 110, 118, 145, 157, 166, 167, 193, 198, 203  
Duke University  128, 231  
Duquesne University  105, 140, 142, 146, 156, 158, 159, 166, 172, 174, 186, 187, 193, 203, 210, 214  

E  
East Carolina University  179, 189, 205  
East Central University  44  
East Tennessee State University  155  
Eastern Connecticut State University  52, 53, 57, 58, 63, 66, 69, 87, 89, 113, 121, 122, 130, 133, 136, 141, 152, 161, 194, 201, 223, 224, 225, 230  
Eastern Illinois University  82, 114, 121, 124, 125, 126, 133, 136, 179, 193, 232, 234  
Eastern Kentucky University  69, 86, 91, 123, 130, 233, 236  
Elmhurst College  38, 39, 59, 63, 137, 138, 145, 153, 160, 186
## Index by Institution

<table>
<thead>
<tr>
<th>Institution</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elon University</td>
<td>44, 46, 47, 53, 54, 57, 60, 61, 64, 65, 68, 69, 71, 74, 75, 78, 87, 88, 93, 94, 97, 100, 104, 107, 115, 117, 122, 127, 131, 137, 139, 142, 150, 152, 153, 158, 161, 167, 174, 188, 191, 192, 208, 211, 213, 216, 217, 218, 225, 237</td>
</tr>
<tr>
<td>Embry - Riddle Aeronautical University</td>
<td>55, 83, 154, 165, 200</td>
</tr>
<tr>
<td>Embry-Riddle Aeronautical University</td>
<td>36</td>
</tr>
<tr>
<td>Evergreen State College</td>
<td>219</td>
</tr>
<tr>
<td>Finger Lakes Community College</td>
<td>37</td>
</tr>
<tr>
<td>Fisk University</td>
<td>51, 140, 170, 181, 191, 194, 213</td>
</tr>
<tr>
<td>Florida Atlantic University</td>
<td>66, 69, 115, 129, 168, 177</td>
</tr>
<tr>
<td>Florida Gulf Coast University</td>
<td>100, 224</td>
</tr>
<tr>
<td>Florida International University</td>
<td>46, 70, 117, 126, 127, 128, 130, 143, 151, 173, 178, 181, 194, 208, 212, 224, 227, 229, 230, 232, 234</td>
</tr>
<tr>
<td>Fordham University</td>
<td>63, 74, 102, 127, 137</td>
</tr>
<tr>
<td>Gannon University</td>
<td>45, 54, 151, 196</td>
</tr>
<tr>
<td>George Mason University</td>
<td>47, 48, 65, 71, 79, 80, 99, 100, 102, 107, 131, 133, 136, 143, 144, 148, 149, 152, 153, 160, 162, 164, 166, 170, 173, 176, 180, 188, 193, 194, 197, 201, 203, 204, 208, 216, 218, 220, 221, 226</td>
</tr>
<tr>
<td>Georgia College and State University</td>
<td>37, 75, 110, 111, 116, 141, 143, 166, 169, 187, 194, 196, 215, 232</td>
</tr>
<tr>
<td>Georgia Gwinnett College</td>
<td>175, 184</td>
</tr>
<tr>
<td>Georgia Southern University</td>
<td>36, 182, 210, 224</td>
</tr>
<tr>
<td>Greenville Technical College</td>
<td>63</td>
</tr>
<tr>
<td>Grove City College</td>
<td>189</td>
</tr>
<tr>
<td>Guilford College</td>
<td>44, 56, 93, 100, 111, 114, 191, 209</td>
</tr>
<tr>
<td>Gustavus Adolphus College</td>
<td>155, 164, 172, 182, 190, 191, 199, 218, 227</td>
</tr>
<tr>
<td>Hamline University</td>
<td>44, 46, 59, 74, 87, 91, 96, 102, 109, 120, 137, 160, 175, 190, 192, 201, 226, 229</td>
</tr>
<tr>
<td>Hamline University, St. Paul</td>
<td>44, 49, 63, 84, 120, 137, 159, 176, 187, 193, 220, 227</td>
</tr>
<tr>
<td>Hampden-Sydney College</td>
<td>204</td>
</tr>
<tr>
<td>Hendrix College</td>
<td>69, 70, 76, 89, 99, 106, 127, 192</td>
</tr>
<tr>
<td>High Point University</td>
<td>135</td>
</tr>
<tr>
<td>Hope College</td>
<td>40, 53, 60, 87, 114, 120, 122, 152, 153, 154, 161, 166, 170, 173, 182, 207, 216, 225, 235</td>
</tr>
<tr>
<td>Houghton College</td>
<td>76, 77, 86, 104, 135</td>
</tr>
<tr>
<td>Humboldt State University</td>
<td>75, 211</td>
</tr>
<tr>
<td>Illinois College</td>
<td>57, 59, 85, 123, 136</td>
</tr>
<tr>
<td>Illinois State University</td>
<td>115</td>
</tr>
<tr>
<td>Illinois Wesleyan University</td>
<td>162</td>
</tr>
<tr>
<td>Indiana State University</td>
<td>126, 141, 148, 152, 158, 169, 171, 172, 201, 203, 222, 226</td>
</tr>
<tr>
<td>Indiana University</td>
<td>45, 51, 61, 67, 80, 85, 100, 105, 155, 178, 184, 234</td>
</tr>
<tr>
<td>Indiana University Kokomo</td>
<td>123</td>
</tr>
<tr>
<td>Indiana University Purdue University Indianapolis</td>
<td>156, 173, 207</td>
</tr>
<tr>
<td>Iona College</td>
<td>88, 140, 158, 161, 168, 177, 178, 184, 186, 193, 196, 206, 215</td>
</tr>
<tr>
<td>Iowa State University</td>
<td>43, 55, 81, 92, 102, 108, 127, 150, 162, 169, 208, 221, 233, 234</td>
</tr>
</tbody>
</table>
Index by Institution

J
Jacksonville University  40, 50, 51, 52, 53, 66, 72, 80, 128, 207, 219
James Madison University  45, 93, 103, 105, 111, 132, 141, 176, 194, 230
John Brown University  50, 58, 68, 69, 77, 105, 120, 122, 123, 165, 167, 183, 228
Joliet Jr College  199
Juniata College  43, 51, 59, 60, 67, 78, 87, 89, 90, 132, 136

K
Kapi‘olani Community College  119
Kean University  105, 129
Kent State University  76, 218
Kutztown University  108, 132

L
Lafayette College  75, 79, 84, 85, 103, 106, 111, 119, 143, 150, 153, 190, 194, 195, 196, 199, 203
Lamar University  46, 74, 118, 119, 142, 155, 156, 170, 172, 226, 236
Lawrence University  149
Lebanon Valley College  195, 225
Lewis University  50, 101, 133
Lipscomb University  52, 59, 168, 190, 195, 226
Lone Star College System The Honors College  165, 181, 189, 201, 214, 217, 222
Long Island University  48, 53, 57, 67, 76, 100, 103, 112
Longwood University  141, 164, 181, 195, 225, 234
Louisiana State University  85
Loyola Marymount University  130, 138
Loyola University Maryland  68, 91, 156, 157, 215
Lubbock Christian University  56, 69, 78, 88, 117, 122, 143, 173, 200, 205
Luther College  38, 48, 58, 66, 70, 95, 105, 124, 129, 135, 174, 177, 219

M
Macaulay Honors College - Hunter  231
Macaulay Honors College at Brooklyn  128, 186
Macaulay Honors College at CUNY  40, 42, 44, 48, 71, 114, 119, 122, 138
Macon State College  70, 122
Marquette University  215
Maryville University of Saint Louis  186, 194, 230
Massachusetts College of Liberal Arts  39, 101, 109
McDaniel College  129
Mercer University  48, 69, 102, 120, 122, 130, 139, 203
Meredith College  49, 103
Messiah College  58, 63, 96, 98
Metropolitan State University of Denver  65, 92, 110, 119
Miami University  48, 114, 146, 148, 166, 181, 201, 210, 218, 220, 228
Michigan State University  68, 89, 198, 229
Middle Tennessee State University  106, 162, 167, 175, 235
Midwestern State University  47, 58, 74, 77, 101, 102, 109, 111, 147, 153, 155, 164, 182, 192, 220, 227
Milwaukee Area Technical College  217
Milwaukee School of Engineering  46, 65, 92, 178
Minnesota State University, Mankato  37, 56, 61, 85, 130, 132, 141, 145, 150, 152, 158, 170, 176, 186, 195, 196, 200, 206, 207, 224

THE UNIVERSITY OF MEMPHIS 241
## Index by Institution

<table>
<thead>
<tr>
<th>Institution</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mississippi St Univ-Shackouls Honors Col</td>
<td>174, 178, 181</td>
</tr>
<tr>
<td>Mississippi State University</td>
<td>87, 146, 154, 208, 223, 232</td>
</tr>
<tr>
<td>Montana State University Bozeman</td>
<td>45, 63, 73, 83, 110, 118, 146, 153, 168, 196, 197, 224, 236</td>
</tr>
<tr>
<td>Moravian College</td>
<td>56, 91, 101, 151, 169, 213, 221, 223, 225, 230</td>
</tr>
<tr>
<td>Morehead State University</td>
<td>68, 197</td>
</tr>
<tr>
<td>Mount Saint Mary College</td>
<td>92</td>
</tr>
<tr>
<td>Mount Saint Mary’s University</td>
<td>81, 135</td>
</tr>
<tr>
<td>Musashino University</td>
<td>85, 157, 188, 209</td>
</tr>
<tr>
<td>New York University</td>
<td>146</td>
</tr>
<tr>
<td>North Dakota State University (Nlt)</td>
<td>49, 96, 121, 179</td>
</tr>
<tr>
<td>Northeastern University</td>
<td>209, 222</td>
</tr>
<tr>
<td>Northern Arizona University</td>
<td>55</td>
</tr>
<tr>
<td>Northern Illinois University</td>
<td>47, 208, 212, 235</td>
</tr>
<tr>
<td>Northern Michigan University</td>
<td>85</td>
</tr>
<tr>
<td>Norwich University</td>
<td>74, 150, 209, 214</td>
</tr>
<tr>
<td>Oakland University</td>
<td>55, 63, 64, 73, 100</td>
</tr>
<tr>
<td>Occidental College</td>
<td>43, 60, 62, 81, 109, 112, 228</td>
</tr>
<tr>
<td>Ohio Northern University</td>
<td>165</td>
</tr>
<tr>
<td>Ohio State University</td>
<td>66, 78, 103, 136, 138, 142, 148, 159, 169, 171, 177, 179, 184, 212, 213, 214, 218, 219, 222, 223, 224</td>
</tr>
<tr>
<td>Oklahoma State University</td>
<td>56, 109, 133, 147, 173, 174, 179, 186</td>
</tr>
<tr>
<td>Oregon State University</td>
<td>182</td>
</tr>
<tr>
<td>Our Lady of the Lake University</td>
<td>88, 105, 107, 119, 126, 214</td>
</tr>
<tr>
<td>Pacific Lutheran University</td>
<td>75, 93</td>
</tr>
<tr>
<td>Paine College</td>
<td>205</td>
</tr>
<tr>
<td>Penn State University</td>
<td>140</td>
</tr>
<tr>
<td>Pitzer College</td>
<td>75</td>
</tr>
<tr>
<td>Point Loma Nazarene University</td>
<td>114, 169</td>
</tr>
<tr>
<td>Prairie View A&amp;M University</td>
<td>187</td>
</tr>
<tr>
<td>Presbyterian College</td>
<td>57, 102, 111, 168</td>
</tr>
<tr>
<td>Purdue University Main Campus</td>
<td>92, 184</td>
</tr>
<tr>
<td>Queensborough Community College - CUNY</td>
<td>203</td>
</tr>
<tr>
<td>Radford University</td>
<td>36, 59, 77, 78, 83, 101, 140, 156, 188, 200, 209</td>
</tr>
<tr>
<td>Randolph - Macon College</td>
<td>106</td>
</tr>
<tr>
<td>Reed College</td>
<td>119</td>
</tr>
<tr>
<td>Rhodes College</td>
<td>79, 88, 96, 140, 149, 174, 186, 187, 203, 206</td>
</tr>
<tr>
<td>Rice University</td>
<td>148</td>
</tr>
</tbody>
</table>
Index by Institution

Roanoke College  50
Russell Sage College  43, 73, 113

S

Saginaw Valley State University  233
Saint Cloud State University  56, 71, 224
Saint Louis University  221
Saint Vincent College  91, 118, 167, 201, 219, 221
San Jacinto College Honors Program  54, 59, 114, 206
San Jose State University  200
Seattle University  47, 49, 57, 66, 83, 85, 86, 102, 120, 136, 162, 225, 232
Siena College  58, 68, 76, 95, 97, 112, 121, 162, 170, 182, 183, 216, 237
Simpson College  209
Slippery Rock University  47, 170, 219
Slippery Rock University of Pennsylvania  116, 152, 163, 196
Smith College  152
Sonoma State University  106
Southeastern Oklahoma State University  169, 231
Southern Nazarene University  79, 115, 135, 143, 175, 178, 205, 226, 232
Southern New Hampshire University  120, 128, 129, 165, 201, 216
Southwestern Oklahoma State University  228
Spelman College  97, 144, 159, 163, 170, 183, 203, 213, 230
St Mary’s College of California  141
St Olaf College - Admissions  150
St. Catherine University  45, 57, 69, 73, 83, 97, 100, 110, 118, 127, 160, 226
St. Edward’s University  69, 79, 80, 98
St. John’s University  141, 159
St. Mary’s College of Maryland  176, 222
St. Norbert College  185
St. Olaf College  157, 165, 183, 218, 225
State University of New York- Buffalo  175, 234
State University of New York- Buffalo State  125
State University of New York-Brockport  38, 54, 58, 67, 76, 81, 95, 98, 99, 113, 116, 143, 154, 155, 170, 186, 219, 221, 227
State University of New York-Genesee  48, 120, 138
State University of New York-New Paltz  217, 219
State University of New York-Oswego  38
Stephen F. Austin State University  86, 197
Stetson University  166, 224
Stevenson University  56, 57, 69, 172
Suffolk County Community College  217, 223
Sul Ross State University  126, 180

T

Talladega College  168
Tarleton State University  97, 106
Technological University of Panama  181
Texas Christian University  70, 97, 123, 164
Texas State University - San Marcos  49, 153, 167, 221
Texas Tech University  73, 105, 147, 176, 214, 232
## Index by Institution

<table>
<thead>
<tr>
<th>Institution</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Texas Woman's University</td>
<td>219</td>
</tr>
<tr>
<td>The Citadel</td>
<td>149, 150, 178, 232, 235</td>
</tr>
<tr>
<td>The Cooper Union</td>
<td>81</td>
</tr>
<tr>
<td>The George Washington University</td>
<td>67, 90, 94</td>
</tr>
<tr>
<td>The University of Findlay</td>
<td>49, 57, 68, 96, 113, 128</td>
</tr>
<tr>
<td>The University of Virginia's College at Wise</td>
<td>70, 95, 118, 125, 131, 138, 145, 149, 163, 171, 173, 234</td>
</tr>
<tr>
<td>Trevecca Nazarene University</td>
<td>59, 114</td>
</tr>
<tr>
<td>Trinity Christian College</td>
<td>54, 79, 82, 147, 217, 237</td>
</tr>
<tr>
<td>Trinity University</td>
<td>97, 106, 129</td>
</tr>
<tr>
<td>Truman State University</td>
<td>43, 44, 49, 61, 62, 89, 96, 112, 113, 117, 129, 133, 150, 230</td>
</tr>
<tr>
<td>Tulsa Community College</td>
<td>194, 212</td>
</tr>
<tr>
<td>Union College</td>
<td>51, 72, 186, 202, 219</td>
</tr>
<tr>
<td>United States Coast Guard Academy</td>
<td>145, 179, 217, 225</td>
</tr>
<tr>
<td>United States Military Academy at West Point</td>
<td>188</td>
</tr>
<tr>
<td>United States Naval Academy</td>
<td>205</td>
</tr>
<tr>
<td>University of Missouri</td>
<td>96</td>
</tr>
<tr>
<td>Universidad Metropolitana</td>
<td>197, 220</td>
</tr>
<tr>
<td>University of Akron</td>
<td>155</td>
</tr>
<tr>
<td>University of Alabama in Huntsville</td>
<td>84, 200</td>
</tr>
<tr>
<td>University of Alberta</td>
<td>147</td>
</tr>
<tr>
<td>University of California, Davis</td>
<td>88</td>
</tr>
<tr>
<td>University of California, San Diego</td>
<td>100, 126</td>
</tr>
<tr>
<td>University of Central Florida</td>
<td>41</td>
</tr>
<tr>
<td>University of Chicago</td>
<td>208</td>
</tr>
<tr>
<td>University of Connecticut</td>
<td>179</td>
</tr>
<tr>
<td>University of Evansville</td>
<td>44, 56, 78, 122, 137, 141, 150, 158, 165, 172</td>
</tr>
<tr>
<td>University of Florida</td>
<td>141, 186</td>
</tr>
<tr>
<td>University of Georgia</td>
<td>75, 94, 138, 156</td>
</tr>
<tr>
<td>University of Guelph</td>
<td>182</td>
</tr>
<tr>
<td>University of Idaho</td>
<td>221</td>
</tr>
<tr>
<td>University of Illinois at Springfield</td>
<td>70, 72, 76, 102, 180, 181, 200, 205, 209</td>
</tr>
<tr>
<td>University of Illinois at Urbana Champaign</td>
<td>156</td>
</tr>
<tr>
<td>University of Iowa</td>
<td>73, 175</td>
</tr>
<tr>
<td>University of Leeds</td>
<td>118</td>
</tr>
<tr>
<td>University of Louisville</td>
<td>192</td>
</tr>
<tr>
<td>University of Maine</td>
<td>165</td>
</tr>
<tr>
<td>University of Mary Washington</td>
<td>54, 157, 160, 196, 222</td>
</tr>
<tr>
<td>University of Maryland, Baltimore County</td>
<td>73, 109, 138, 149, 170</td>
</tr>
<tr>
<td>University of Massachusetts Boston</td>
<td>96, 112, 203, 232</td>
</tr>
<tr>
<td>University of Memphis- Lambuth</td>
<td>152, 161, 163, 165, 234</td>
</tr>
</tbody>
</table>
Index by Institution

<table>
<thead>
<tr>
<th>Institution</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Minnesota</td>
<td>73</td>
</tr>
<tr>
<td>University of Minnesota - Crookston</td>
<td>54, 59, 178</td>
</tr>
<tr>
<td>University of Minnesota - Morris</td>
<td>49, 162, 189</td>
</tr>
<tr>
<td>University of Minnesota, Duluth</td>
<td>55, 67, 84, 144, 147, 165, 176, 188, 200, 202</td>
</tr>
<tr>
<td>University of Minnesota, Twin Cities</td>
<td>44, 61, 84, 100, 110, 118, 180, 194, 196, 201, 204, 207, 223, 229, 236, 237</td>
</tr>
<tr>
<td>University of Mississippi</td>
<td>83</td>
</tr>
<tr>
<td>University of Missouri - Columbia</td>
<td>60, 113, 126, 136</td>
</tr>
<tr>
<td>University of Montevallo</td>
<td>45, 95, 126, 223</td>
</tr>
<tr>
<td>University of Nebraska at Kearney</td>
<td>50, 68, 69, 77, 78, 97, 106, 154, 156, 165, 169, 177, 188, 189, 191, 197, 201, 203, 205, 218, 226, 227, 236</td>
</tr>
<tr>
<td>University of Nebraska at Omaha</td>
<td>195</td>
</tr>
<tr>
<td>University of Nevada, Las Vegas</td>
<td>157, 207</td>
</tr>
<tr>
<td>University of Nevada, Reno</td>
<td>45</td>
</tr>
<tr>
<td>University of North Alabama</td>
<td>60, 104, 106, 174, 220, 236</td>
</tr>
<tr>
<td>University of North Carolina - Asheville</td>
<td>43, 45, 62, 65, 72, 80, 90, 98, 110, 125, 130, 139, 156</td>
</tr>
<tr>
<td>University of North Carolina at Greensboro</td>
<td>78, 90, 97, 109, 115, 140</td>
</tr>
<tr>
<td>University of North Carolina, Charlotte</td>
<td>49, 51, 59, 85, 91, 95, 100, 121, 137, 160</td>
</tr>
<tr>
<td>University of North Georgia</td>
<td>43, 63, 73, 91, 149, 151, 154, 162, 189, 202, 217, 234</td>
</tr>
<tr>
<td>University of Northern Colorado</td>
<td>44, 50, 97, 106, 109</td>
</tr>
<tr>
<td>University of Northern Iowa</td>
<td>50, 52, 57, 66, 95, 120, 132, 161, 167, 191, 204</td>
</tr>
<tr>
<td>University of Oklahoma Norman Campus</td>
<td>105</td>
</tr>
<tr>
<td>University of Pittsburgh School of Nursing</td>
<td>66, 75, 84, 92, 93, 101, 147, 182, 200, 227</td>
</tr>
<tr>
<td>University of Puerto Rico at Humacao</td>
<td>173</td>
</tr>
<tr>
<td>University of Rochester</td>
<td>54, 55, 61, 79, 87, 92, 97, 98, 110, 116, 117, 138, 143, 146, 147, 155, 157, 161, 166, 172, 175, 177, 186, 190, 215, 222, 227, 231, 235, 237</td>
</tr>
<tr>
<td>University of South Alabama</td>
<td>54, 72, 75, 191, 212, 221, 224, 227, 229, 236</td>
</tr>
<tr>
<td>University of South Carolina - Columbia</td>
<td>225</td>
</tr>
<tr>
<td>University of South Florida</td>
<td>205</td>
</tr>
<tr>
<td>University of Southern California</td>
<td>64</td>
</tr>
<tr>
<td>University of Southern Mississippi</td>
<td>81, 89, 208, 212, 228, 232</td>
</tr>
<tr>
<td>University of St. Francis</td>
<td>78, 213</td>
</tr>
<tr>
<td>University of Tennessee at Chattanooga</td>
<td>38, 65, 77, 88, 162, 167, 223, 231</td>
</tr>
<tr>
<td>University of Texas at Austin</td>
<td>126, 142, 185, 203, 221</td>
</tr>
<tr>
<td>University of Texas at Dallas</td>
<td>142, 179, 203, 204</td>
</tr>
<tr>
<td>University of Texas at El Paso</td>
<td>223</td>
</tr>
<tr>
<td>University of Texas at San Antonio</td>
<td>88</td>
</tr>
<tr>
<td>University of Texas- Rio Grande Valley</td>
<td>205</td>
</tr>
<tr>
<td>University of the Incarnate Word</td>
<td>110</td>
</tr>
<tr>
<td>University of the Pacific</td>
<td>53, 56, 81, 86, 90, 99, 104, 112, 125, 147, 167, 177, 187, 190, 194, 197, 210, 212, 234</td>
</tr>
<tr>
<td>University of Toledo</td>
<td>71, 80, 88, 102, 111, 156, 159, 168, 195, 204, 208, 210, 221, 232, 237</td>
</tr>
<tr>
<td>University of Tulsa</td>
<td>70</td>
</tr>
<tr>
<td>University of Utah</td>
<td>59, 62, 65, 74, 92, 94, 99, 118, 154, 156, 174, 180, 202</td>
</tr>
<tr>
<td>University of Washington, Seattle</td>
<td>176</td>
</tr>
<tr>
<td>University of West Florida</td>
<td>47, 55, 63, 70, 107, 115, 117, 121, 125, 129, 138, 143, 154, 161, 163, 165, 171, 172, 176, 182, 184, 185, 189, 190, 191, 193, 194, 201, 210, 216, 226, 229, 234, 236</td>
</tr>
<tr>
<td>University of West Georgia</td>
<td>56, 58, 86, 93, 95, 100, 112, 117, 121, 133, 147, 173, 204, 210, 223, 237</td>
</tr>
<tr>
<td>University of Wisconsin - La Crosse</td>
<td>44, 45, 48, 55, 68, 70, 88, 97, 142, 145, 146, 149, 160, 162, 171, 172, 177, 182, 189, 190, 202, 210, 215, 233</td>
</tr>
<tr>
<td>University of Wisconsin - Milwaukee</td>
<td>39, 47, 52, 57, 80, 85, 118, 121, 144, 152, 154, 162, 166, 167, 172, 174, 180, 189, 191, 193, 198, 203, 208, 211, 212, 217, 219, 220, 225, 227, 229, 233, 236</td>
</tr>
<tr>
<td>University of Wisconsin - Oshkosh</td>
<td>84, 96, 147, 151, 157, 164, 182, 184, 189, 192, 195, 205, 207, 214</td>
</tr>
<tr>
<td>Institution</td>
<td>Pages</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>University of Wisconsin - Parkside</td>
<td>84, 139, 161, 188, 198, 206, 212, 216, 224, 231</td>
</tr>
<tr>
<td>University of Wisconsin - River Falls</td>
<td>40, 71, 96, 120, 121, 126, 150, 153, 180, 182, 189, 195, 204, 211, 216, 225, 226</td>
</tr>
<tr>
<td>University of Wisconsin - Stout</td>
<td>100, 109, 131, 148, 154, 157, 184, 198, 208, 220, 223, 237</td>
</tr>
<tr>
<td>University of Wisconsin - Superior</td>
<td>87, 134, 152, 153, 159, 217</td>
</tr>
<tr>
<td>University of Wisconsin - Whitewater</td>
<td>40, 109, 111, 125, 141, 144, 145, 146, 149, 151, 156, 164, 171, 176, 177, 181, 182, 197, 206, 215, 217, 223, 231</td>
</tr>
<tr>
<td>Utah State University</td>
<td>41, 105, 121, 129, 165, 176, 228, 229</td>
</tr>
<tr>
<td>Utah Valley University</td>
<td>46, 56, 66, 79, 80, 87, 91, 96, 101, 103, 104, 107, 114, 119, 123, 124, 131, 149, 151, 164, 218, 233</td>
</tr>
<tr>
<td>Valparaiso University</td>
<td>49, 62, 73, 77, 82, 87, 104, 106, 112, 122, 129, 132, 133, 134, 136</td>
</tr>
<tr>
<td>Vancouver Island University</td>
<td>94</td>
</tr>
<tr>
<td>Villanova University</td>
<td>158, 206, 216</td>
</tr>
<tr>
<td>Virginia Polytechnic Institute &amp; State University</td>
<td>46, 81, 119, 128, 130, 135, 146, 180</td>
</tr>
<tr>
<td>Viterbo University</td>
<td>125, 185</td>
</tr>
<tr>
<td>Wagner College</td>
<td>64, 175</td>
</tr>
<tr>
<td>Wake Forest University</td>
<td>222</td>
</tr>
<tr>
<td>Wayne State University</td>
<td>44, 50, 54, 64, 72, 92, 95, 103, 143, 149, 150, 152, 153, 163, 171, 175, 183, 184, 192, 193, 194, 195, 197, 206, 214, 220, 231</td>
</tr>
<tr>
<td>Weber State University</td>
<td>49, 98, 157, 175, 210, 213, 216, 229, 235, 236</td>
</tr>
<tr>
<td>Webster University</td>
<td>52, 82, 91, 124, 145, 160, 179, 188, 194, 230</td>
</tr>
<tr>
<td>Wells College</td>
<td>53, 85, 154</td>
</tr>
<tr>
<td>West Chester University</td>
<td>63</td>
</tr>
<tr>
<td>West Virginia University</td>
<td>45, 141, 142, 151</td>
</tr>
<tr>
<td>Western Carolina University</td>
<td>36, 38, 45, 50, 77, 84, 86, 87, 88, 92, 104, 105, 109, 110, 118, 121, 131, 133, 135, 141, 144, 149, 150, 153, 159, 162, 164, 179, 181, 184, 185, 189, 198, 206, 214, 223, 233, 235, 236</td>
</tr>
<tr>
<td>Western Kentucky University</td>
<td>64, 144, 171</td>
</tr>
<tr>
<td>Westminster College</td>
<td>36, 138, 139, 140, 167, 172, 183, 201, 218</td>
</tr>
<tr>
<td>Westmont College</td>
<td>47</td>
</tr>
<tr>
<td>Westmoreland County Community College</td>
<td>40, 41, 75, 154, 165, 180, 199, 225, 226, 235</td>
</tr>
<tr>
<td>Wheaton College</td>
<td>67, 81, 90, 221</td>
</tr>
<tr>
<td>Widener University</td>
<td>206</td>
</tr>
<tr>
<td>William Paterson University</td>
<td>108</td>
</tr>
<tr>
<td>William Peace University</td>
<td>40, 61, 87, 89, 93, 94, 98, 101, 124, 129</td>
</tr>
<tr>
<td>Wingate University</td>
<td>60, 119, 172, 186, 190, 226, 228</td>
</tr>
<tr>
<td>Winston-Salem State University</td>
<td>83, 94</td>
</tr>
<tr>
<td>Winthrop University</td>
<td>78, 126, 142, 158, 201</td>
</tr>
<tr>
<td>Wisconsin Lutheran College</td>
<td>55, 66</td>
</tr>
<tr>
<td>Wittenberg University</td>
<td>70, 77, 127, 128, 151, 217, 231</td>
</tr>
<tr>
<td>Xavier University</td>
<td>40, 41, 42, 60, 70, 86, 125, 130, 133, 137, 185, 194, 222</td>
</tr>
<tr>
<td>Zayed University</td>
<td>37</td>
</tr>
</tbody>
</table>
Index by Presenter

A
Abalos, AJ Jordan 119
Abbas, Mohammad 179
Abraha, Eve 134
Abd-Alla, Areeg 102
Abdelqader, Wadey 194
Abdelwahab, Namas 172
Abu-kwaik, Amer 175
Aceto, Michael 92
Acker, Olivia 62
Ackman, Nicole 122
Acosta, Andrea 215
Adam, Austin 199, 230
Adams, Joanne 62, 90
Adams, Leah 230
Adams-Kuebler, Amber 68
Adekunle, Tiwaladeoluwa 69
Adie, Amanda 60
Agrawal, Ruhani 176
Aguilar, Alicia 109
Ahmad, Tanjeev 212
Ahmed, Ayan 187
Ahmed, Fathi 57
Ahmed, Hamza 213
Ahmed, Fathia 57
Ahmed, Hamza 213
Ahmed, Tabassum 145
Adekunle, Tiwaladeoluwa 69
Addie, Amanda 60
Agrawal, Ruhani 176
Alano, Katrina 166
Alario, Caitlyn 77
AlAshi, Amro 212
Albrecht, Kate 113
Albrecht, Sebastian 127
Albrecht, Veronica 227
Albrehi, Fatima 72
Alcantara, Ace Vladimir 71
Alcaraz, Alicia 132
Alden, Olivia 67
Aldridge, Casey 51, 59
Alexander, Elizabeth 235
Alexander, Theophilus 98
Alhamed, Tawfiq 106
Ali, Zahra 184
Allan, Ayah 191
Allbrandt, Melissa 112
Allegretti, Catherine 58
Allen, Brooke 204
Allen, Josh 147
Allen, Samantha 142
Allende, Anna 84
Allcock, Nicholas 172
Allison, Devin 151
Allred, Clayton 232
Almarales, Kadijah 79
Almasalkhi, Nadia 94
Almeda, Katie 208
Altabet, Jason 79
Alvarado Mateo, Diego 184
Alvarez, Gabriela 137
Alvarez, Kevin 114
Alwali, Amir 220
Amaya, Alan 110
Amaya, Gracia 190
Ambos, Elizabeth 36
Ames, Colton 159
Ammer, Maria 217
Amos, James 165
An, Elvira 100
Anderson, Beth 174
Anderson, Bryan 69
Anderson, Jarrett 207
Anderson, Maggie 163
Anderson, Mitchel 212
Anderson, Phoebe 127
Anderson, Rachel 47
Anderson, Sarah 73
Andrews, Megan 202
Andrews, Taylor 162
Andruskiewicz, Sydni 228
Ang, Nicole 79
Angeron, Isaac 119
Angst, Sophia 94
Alekly, Laurisa 191
Anmave, Rebecca 195
Annalingam, Saranja 222
Anthony, Casey 67
Anthony, Madeline 96, 123
Antony, Sara 46
Antrobus, Rome 149
Apol, Brandon 72
Apol, Elayne 80
Appleton, Ibrahim 209
April, Caitlin 149
Aqee, Sahar 142
Ara, Nozomi 151
Arak, Amanda 52
Archer, Andrea 118
Archer, William 118
Arcia Gonzalez, Gretel 151
Arias, Yisely 105
Armenta, Bianca 156
Armanto, Matthew 137
Armata, Alessandra 184
Arneson, Mariah 196
Arnold, Kristin 58
Arogundade, Opeyemi 192
Arima, Steve 146
Arrington, Kayland 165
Arthur, Sydney-Morgan 198
Artz, Brianna 162
Asano, Francesco 136
Ashburn, Michael 230
Asher, Tamerlane 111
Assef, Sara 45
Astle, Mayson 104
Atamenwan, Enahoho 153
Atkinson, Jacqueline 130
Aten, Charlotte 55
Atman, Aisha 131
Atiq, Zainab 186
Atkinson, Eleanor 134
Atkinson, Lauren 194
Attalla, Jonathan 195
Atwell, Katie 114
Auh, Roy 128
Aung, Toe 207
Austin, Branden 88
Avery, Mary 41
Axtell, Alexis 68
Ayala-Soto, Rosemarie 133
Ayer, Jay 190
Ayers, Christen 50
Ayers, Kevin 36
Ayotte, Samantha 185
Ayres, Kirsten 163
B
Baasland, Laura 138
Babcock, Kailey 89
Babcock, Quinton 111
Bachan, Anna 146
Bading, Jonathan 173
Baer, Rachel 130
Bagby, Veronica 58
Baggett, Jenni 193
Baghai, Nellie 213
Bah, Fatmata 57
BAiley, Annie 116
BAiley, Matthew 49
BAiley, Sarah 205
Bains, Sahej 184
Baker, Arlynn 45
Baker, Ian 55
Baker, John 96
Baker, Larry 85
Baker, Mara 200
Baker, Ryan 120
Bales, Charles 70
Balsom, Stephanie 236
Baltazar, Andrea 223
Banaszak, Elle 166
Bandaru, Mrudula 210
Bandyopadhyay, Ananya 174
Banks, Amanda 221
Bansal, Sarthak 134
Baradaran, Darius 103
Index by Presenter

Barajas, Ana 229
Barajas, Elizabeth 229
Barbeau, Callie 125
Barber, Nicholas 61
Barbosa, Asaph Matheus 179
Barker, Daniel 220
Barker, Elizabeth 54
Barlow, Jenna 233
Barlow, Mattie 62, 108
Barnes, Justin 147
Barnes, Nicole 113
Barnette, Quinn 137
Baron, Francine 58
Barone, Rachel 110
Barrett, Elizabeth 143
Barry, Shannon 104
Bartel, Gloria 121
Barthold, Kelsey 237
Barto, Mason 49
Barton, Jedidiah 185
Basnet, Sanskar 102
Bassett, Alexandria 226
Batchelder, Sydney 89, 225
Batchily, Selena 164
Bates, Julia 115
Batts, Santana 94, 129
Bayles, Justin 167
Bayliss, Chanz 224
Bayliss, Ruby 110
Beachum, DeAnna 210
Beahm, Tina 169
Bean, Lamuel 228
Bearden, Christopher 235
Beck, Madeline 43
Becker, Hannah 221
Becker-Greene, Dakota 205
Beckham, Jacob 194
Bedard, Stephanie 74
Bedingar, Esias 139, 202
Beebe, Darren 235
Beer, Sarah 51
Begg, Tyler 77
Beifuss, Samantha 88
Bélanger-Giguère, Kim 48
Belfield, Lanazha 83
Bell, Kathryn 225
Bellino, Grace 63
Bellisario, Anthony 61
Belski, Hannah 222
Bemis, Elizabeth 72
Bempong, Kwame 54
Benasara, Laura 44
Bender, DeAnna 163
Bender, Noah 87
Bennett, Christina 186
Benson, William 222
Bentheim, Grant 177
Berchtold, Jessica 86
Berger, Jeff 195
Bergstrom, Blake 105
Berjoumi, Abbass 183
Berlin, Gioia 48
Berry, Daniel 81
Bertoni, Alyssa 134
Bertrand, Kristen 84
Benwari, Shivani 167
Best, Shannnon 219
Bestfelt, Danielle 163
Betterman, Karly 213
Bevacqua, John 115
Bhamhvanii, Hriday 196
Bhandari, Suman 164
Bielski, Nicholas 216
Bills, Cody 176
Biondo, Nicholas 195
Birbasav, Nikita 218
Birchett, Brianna 88
Bird, Andrea 106
Bishop, James 181
Bishop, Nicole 204
Bisirri, Evan 83
Bjork, Matthew 190
Black, Jordan 164
Black, Margaret 158
Blakemore, Ashley 163
Blanc, Eva 48
Blanchette, Hannah 90
Blanford, Evan 186
Blaseg, Nathan 236
Blosser, Brooke 83
Bluemel, Cheyloh 169
Blumenfeld, Allison 120
Blumhardt, Zoe 49
Boccuzzi, Luciarita 230
Bock, Heather 37
Bodigor, Joanna 129
Bodnar, Josh 108
Bohl, Leah 166
Bollhoffe, Barbara 120
Bollinger, Sydney 95
Bolt, James 75
Boman, Krissa 227
Bonds, Jacqueline 55
Bonds, Ravon 111
Bonneville, Andrea 51
Bonomo, Lynn 204
Books, Melanie 234
Boren, Benjamin 151
Borer, Samuel 165
Borges, Richard 229
Borges, Ryan 85
Bornstein, Anna 234
Bossard, MeeSoH 208
Bostic, Jenai 144
Boush, Lauren 59
Bouvang, Jenna 229
Bowen, Kristy 70
Bowles, Jade 163
Bowman, Heyley 72
Box, Allyson 209
Boyce, Venitia 60
Boyland, Jarvis 42
Bradley, Bryanna 39
Bradshaw, Stephanie 71
Brady, Clayton 221
Braimah, Nyea 75
Brocco, Gabriel 121
Brandel, Maria 91
Brandt, Jacob 55
Brandt, Megan 188
Brandt, Sallee 96
Branum, Elissa 50, 120
Brasington, Tyler 146
BRATU, ERIN 83
Braun, Maria 72
Bray, Nicholas 165, 182
Braziel, Samuel 186
Breene, Callum 110
Brennan, Megan 201
Bress, Kimberly 220
Brewer, Logan 52
Brickman, Kirstiana 58, 183
Briese, Taylor 50
Briggs, Krystal 58
Briggs, Tynon Briggs 226
Brighter, Grant 59
Britton, Olivia 51, 72
Britvich, Bradley 209
Brizuela, Alicia 47
Broberg, Erin 67
Brockamp, Rachel 189
Brockmeyer, Trisha 125
Bromberg, Ashley 82
Brooks, Hazel 143
Brooks, Nicole 188
Brooks, Sydney 151
Brotherton, Jonathan 88
Brown, Ashlyn 140
<table>
<thead>
<tr>
<th>Presenter</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown, Callista</td>
<td>168</td>
</tr>
<tr>
<td>Brown, Cameron</td>
<td>50</td>
</tr>
<tr>
<td>Brown, Carter</td>
<td>56</td>
</tr>
<tr>
<td>Brown, Denzel</td>
<td>111</td>
</tr>
<tr>
<td>Brown, Holly</td>
<td>115</td>
</tr>
<tr>
<td>Brown, Jeremy</td>
<td>48</td>
</tr>
<tr>
<td>Brown, Justin</td>
<td>78</td>
</tr>
<tr>
<td>Brown, Shelby</td>
<td>138</td>
</tr>
<tr>
<td>Brown, Tyler</td>
<td>122</td>
</tr>
<tr>
<td>Brownridge III, George</td>
<td>204</td>
</tr>
<tr>
<td>Brownstein, Lauren</td>
<td>154</td>
</tr>
<tr>
<td>Brozen, Brendan</td>
<td>74</td>
</tr>
<tr>
<td>Brueggeman, Kathryn</td>
<td>85</td>
</tr>
<tr>
<td>Bruick, Victoria</td>
<td>129</td>
</tr>
<tr>
<td>Brum, Zoi</td>
<td>234</td>
</tr>
<tr>
<td>Bruno, Maria</td>
<td>106</td>
</tr>
<tr>
<td>Bruns, Sarah</td>
<td>94</td>
</tr>
<tr>
<td>Brunworth, Kaitlyn</td>
<td>226</td>
</tr>
<tr>
<td>Bryan, Brendan</td>
<td>197</td>
</tr>
<tr>
<td>Bryce, Tristen</td>
<td>110</td>
</tr>
<tr>
<td>Buchanan, Gurney</td>
<td>188</td>
</tr>
<tr>
<td>Buchanan, Mable</td>
<td>129</td>
</tr>
<tr>
<td>Buchhop, Heather</td>
<td>54</td>
</tr>
<tr>
<td>Buchroeder, Reyna</td>
<td>109</td>
</tr>
<tr>
<td>Bucior, Danielle</td>
<td>117</td>
</tr>
<tr>
<td>Budd, Kaityn</td>
<td>100</td>
</tr>
<tr>
<td>Buffalo, Echo</td>
<td>169</td>
</tr>
<tr>
<td>Bui, Ashley</td>
<td>161</td>
</tr>
<tr>
<td>Bull, Alex</td>
<td>181</td>
</tr>
<tr>
<td>Bullington, Emily</td>
<td>215</td>
</tr>
<tr>
<td>Bunton, Jonathan</td>
<td>228</td>
</tr>
<tr>
<td>Burdette, Victoria</td>
<td>78</td>
</tr>
<tr>
<td>Burford, Tessa</td>
<td>68</td>
</tr>
<tr>
<td>Burgess, Andrew</td>
<td>41</td>
</tr>
<tr>
<td>Burkhart, Robert</td>
<td>224</td>
</tr>
<tr>
<td>Burlingame, Andrew</td>
<td>136</td>
</tr>
<tr>
<td>Burnett, Nicole</td>
<td>74</td>
</tr>
<tr>
<td>Burns, Bailey</td>
<td>38</td>
</tr>
<tr>
<td>Burrage, Emily</td>
<td>212</td>
</tr>
<tr>
<td>Burt, Katherine</td>
<td>76, 162</td>
</tr>
<tr>
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<td>178</td>
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<td>158</td>
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<td>94</td>
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<td>215</td>
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<td>172</td>
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<td>Chen, Yihe</td>
<td>161</td>
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<td>166</td>
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<td>Cho, Liana</td>
<td>169</td>
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<tr>
<td>Choi, Jyeong</td>
<td>134</td>
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<td>Choi, Madison</td>
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<tr>
<td>Choi, Sang Won</td>
<td>186</td>
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<td>Choi, Sung Woo</td>
<td>152</td>
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<td>Chong, June</td>
<td>144</td>
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<tr>
<td>Choudhary, Fatimah</td>
<td>57</td>
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<td>216</td>
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<td>93</td>
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<td>188</td>
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<td>Christiansen, Bailee</td>
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<td>171</td>
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<td>57</td>
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<td>179</td>
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<td>140</td>
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<td>Churchill, Brittany</td>
<td>107</td>
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<td>Cibulka, Austin</td>
<td>56</td>
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<td>Cifci, Muhammed</td>
<td>138</td>
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<td>151</td>
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<td>91</td>
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<tr>
<td>Clark, Gracia</td>
<td>235</td>
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<td>102</td>
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<td>162</td>
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<td>Index by Presenter</td>
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<td>Dang, Jasmine 180</td>
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<td>Dasgupta, Sukanya 161</td>
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<td>Dave, Ahana 113</td>
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<td>Davidman, Emma 150</td>
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<td>DeMonte, Justin 219</td>
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<td>Dempsey, Margaret 162</td>
<td></td>
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<td>Denning, Andrew 166</td>
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<td>Denver, Jacqueline 140</td>
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<td>Detchemendy, Thomas 167</td>
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<td>Dettle, Sarah 84</td>
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<td>Devanaboyina, Monika 82</td>
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</tr>
<tr>
<td>Gezahegn, Bruck</td>
<td>221</td>
</tr>
<tr>
<td>Ghanta, Ramesh</td>
<td>204</td>
</tr>
<tr>
<td>Cherasim, Janelle</td>
<td>107</td>
</tr>
<tr>
<td>Giambrone, Taylor</td>
<td>147</td>
</tr>
<tr>
<td>Giancarlo, Amelia</td>
<td>79</td>
</tr>
<tr>
<td>Gicic, Amina</td>
<td>155</td>
</tr>
<tr>
<td>Gibson, Jared</td>
<td>215</td>
</tr>
<tr>
<td>Gibson, Matthew</td>
<td>130</td>
</tr>
<tr>
<td>Gibson, Tierica</td>
<td>43</td>
</tr>
<tr>
<td>Giddens, Jordan</td>
<td>233</td>
</tr>
<tr>
<td>Gierke, Lily</td>
<td>203</td>
</tr>
<tr>
<td>Gill, Gureveer</td>
<td>163</td>
</tr>
<tr>
<td>Gill, Hunter</td>
<td>152</td>
</tr>
<tr>
<td>Gillespie, Kaitlin</td>
<td>236</td>
</tr>
<tr>
<td>Gilliam, Jacie</td>
<td>43</td>
</tr>
<tr>
<td>Gilmer, Gabrielle</td>
<td>78</td>
</tr>
<tr>
<td>Girgis, Alexander</td>
<td>100</td>
</tr>
<tr>
<td>Girgl, Taania</td>
<td>192</td>
</tr>
<tr>
<td>Giron, Natalie</td>
<td>103</td>
</tr>
<tr>
<td>Givens, Sarah</td>
<td>81</td>
</tr>
<tr>
<td>Giwa, Rocky</td>
<td>170</td>
</tr>
<tr>
<td>Gjertsen, Megan</td>
<td>217</td>
</tr>
<tr>
<td>Glendinning, Gracie</td>
<td>236</td>
</tr>
<tr>
<td>Glidewell, Gabrielle</td>
<td>39, 96</td>
</tr>
<tr>
<td>Gnatz, Dylan</td>
<td>83</td>
</tr>
<tr>
<td>Gocal, Wiktoria</td>
<td>203</td>
</tr>
<tr>
<td>Godfrey, Olivia</td>
<td>80</td>
</tr>
<tr>
<td>Godin, Olivia</td>
<td>69</td>
</tr>
<tr>
<td>Godson, Beloved</td>
<td>222</td>
</tr>
<tr>
<td>Goedhart, Carly</td>
<td>177</td>
</tr>
<tr>
<td>Goering, Raeann</td>
<td>74</td>
</tr>
<tr>
<td>Goetz, Owen</td>
<td>102</td>
</tr>
<tr>
<td>Goff, Trudy</td>
<td>40</td>
</tr>
<tr>
<td>Gohlike, Madison</td>
<td>55</td>
</tr>
<tr>
<td>Goines, Sondrica</td>
<td>196</td>
</tr>
<tr>
<td>Golafshin, Farhoud</td>
<td>44</td>
</tr>
<tr>
<td>Golaway, Ania</td>
<td>190</td>
</tr>
<tr>
<td>Golden, Israel</td>
<td>45</td>
</tr>
<tr>
<td>Golden, Jonathan</td>
<td>110</td>
</tr>
<tr>
<td>Goldsby, Amelia</td>
<td>62</td>
</tr>
<tr>
<td>Gomez, Antonio</td>
<td>129</td>
</tr>
<tr>
<td>Gomez, Laura</td>
<td>129</td>
</tr>
<tr>
<td>Gondre, Guilsie</td>
<td>187</td>
</tr>
<tr>
<td>Gonzalez, Joshua</td>
<td>95</td>
</tr>
<tr>
<td>Gonzalez, Samantha</td>
<td>147</td>
</tr>
<tr>
<td>Gonzalez-Peltier, Gael</td>
<td>101</td>
</tr>
<tr>
<td>Goodhart, Abigail</td>
<td>86</td>
</tr>
<tr>
<td>Goodwin, Barrett</td>
<td>70</td>
</tr>
<tr>
<td>Gordon, Kyle</td>
<td>147</td>
</tr>
<tr>
<td>Gordon, Rylan</td>
<td>111</td>
</tr>
<tr>
<td>Gore, Hunter</td>
<td>103</td>
</tr>
<tr>
<td>Gorman, Hailey</td>
<td>132</td>
</tr>
<tr>
<td>Gormley, Janelle</td>
<td>121</td>
</tr>
<tr>
<td>Gorne, Kylie</td>
<td>198</td>
</tr>
<tr>
<td>Gorronmodia, Andrea</td>
<td>215</td>
</tr>
<tr>
<td>Gottlob, William</td>
<td>76</td>
</tr>
<tr>
<td>Gouge, Vince</td>
<td>82</td>
</tr>
<tr>
<td>Gowin, Spencer</td>
<td>188</td>
</tr>
<tr>
<td>Graham, George</td>
<td>149</td>
</tr>
<tr>
<td>Graham, Jessica</td>
<td>44</td>
</tr>
<tr>
<td>Graham, Rachel</td>
<td>215</td>
</tr>
<tr>
<td>Grams, Tristan</td>
<td>204</td>
</tr>
<tr>
<td>Granger, Aaliyah</td>
<td>228</td>
</tr>
<tr>
<td>Grant, Jacqueline</td>
<td>237</td>
</tr>
<tr>
<td>Grant, Molly</td>
<td>148</td>
</tr>
<tr>
<td>Grappe, Ellen</td>
<td>231</td>
</tr>
<tr>
<td>Grassier, Lana</td>
<td>89</td>
</tr>
<tr>
<td>Grate, Angela</td>
<td>48, 113</td>
</tr>
<tr>
<td>Gray, Crystal</td>
<td>187</td>
</tr>
<tr>
<td>Gray, Emily</td>
<td>77</td>
</tr>
<tr>
<td>Greco, Monika</td>
<td>147</td>
</tr>
<tr>
<td>Green, DeShon</td>
<td>43</td>
</tr>
<tr>
<td>Green, Jonathan</td>
<td>92</td>
</tr>
<tr>
<td>Green, Nicole</td>
<td>57</td>
</tr>
<tr>
<td>Greenlee, Jourdan</td>
<td>181</td>
</tr>
<tr>
<td>Greenup, Joel</td>
<td>143</td>
</tr>
<tr>
<td>Greer, Carl</td>
<td>233</td>
</tr>
<tr>
<td>Greiner, Zachary</td>
<td>222</td>
</tr>
<tr>
<td>Griesbach, Caleb</td>
<td>142</td>
</tr>
<tr>
<td>Griffith, Hannah-Beth</td>
<td>199</td>
</tr>
<tr>
<td>Griffith, Natifa</td>
<td>199</td>
</tr>
<tr>
<td>Grill, Brooke</td>
<td>167</td>
</tr>
<tr>
<td>Grimm, Chace</td>
<td>127</td>
</tr>
<tr>
<td>Grimm, Kayla</td>
<td>38</td>
</tr>
<tr>
<td>Grimm, Jacob</td>
<td>219</td>
</tr>
</tbody>
</table>
Index by Presenter

Gripko, Liv 188
Grischow, Rebecca 49
Grismore, William 102
Grisom, Alice 50
Gronquist, Pearl 148
Groover, Anne 185
Grosse, Megan 52
Grow, Tyler 129
Grubbs, Emily 80
Gruendemann, Jeramiah 207
Grundhoefer, Joseph 137
Grunmeier III, Orvil 153
Guarino, Maribeth 61
Guida, Grace 135
Guilfoy, Julianna 124
Guion, Stephen 149
Gull, Brekhnaa 203
Guion, Maribeth 61
Gupta, Rahul 56
Gupta, Saagar 112
Habermacher, Victoria 131
Gurbatow, Jeremy 221
Gustafson, Emily 182
Hackett, Nora 79
Hall, Jon 102
Hamby, Rachael 74
Hamel, Nicole 72
Hamilton, Byron 111
Hamilton, Hannah 102
Hammer, Ryan 99
Hammock, Kaitlyn 126
Hammer, Samantha 101
Hammon, Makenzy 215
Hamm, Candace 136
Hand, Nora 79
Hanebuth, Cannon 199
Haney, Miranda 112
Hanks, Madison Hanks 131
Hanmandlu, Ankit 126
Hannans, Lalrpuu 182
Hanson, Alexa 63
Hanson, Elise 226
Hanson, Naomi 129
Hanson, Valerie 208
Harasymchuk, Kayla 206
Harbert, Jenna 174
Harbin, Hannah 143
Hargenrader, Alicia 235
Harlan-Gran, Kathryn 112
Harp, Beverly 71
Harp, Cherish 140
Harrington, Emily 224
Harris, Bria 168
Harris, Caleb 83
Harris, Eric 225
Harris, Kymberly 36
Harris, Mallory 75
Harris, Miranda 43
Harris, Morgan 89
Harris, Tate 164
Harris, Tristen 170
Harris, Virginia 86
Harrison, Caleb 201
Harro, Cailin 117
Hart, Ashlyn 113
Hart, Jacelyn 192
Harter, Janelle 185
Hartley, Donna 180
Hartline, Austin 178
Hartman, Brian 121
Harvey, Allison 47
Harvey, Kody 204
Harvey, Marcia 43, 63
Harwell, Joshua 210
Hasselwood, Desirea 93
Haslinger, Abigail 61
Hass, Madeline 96
Hatch, Katrina 227
Hau, Michele 178
Hausmann, Emilie 66
Havelka, Theresa 198
Haven, Levi 189
Hawes, Charles 104
Hawkins, Joseph 112
Hawthorne, Emily 144
Hayes, Emily 177
Haynes, Allie 128
Haynik, Rebecca 139
He, Qianying 227
Heald, Emily 95
Heaps, Maggie 67
Heaston, Patrick 122
Heckman, Paisley 106
Hehr, Anees 184
Heim, Matthew 62
Heinen, Daniel 101
Heisey, Sarah 196
Helander, Aaron 73
Helbing, Natalie 141
Hellenbrand, Ryan 131
Henderson, Kate 158
Hendrix, Kaylen 165
Henley, Adam 77
Henley, Andrew 218
Henry, Grace 160
Henry, Taylor 148
Henry, Zakiya 94
Henthorn, Daniel 133
Hert, Lysengkeng 229
Hernandez, Amanda 88
Hernandez, Gema 93
Hernandez, Jessica 229
Hernandez, Sonia 203
Herr, Julie 156
Herran, Juliana 57
Herrera, Daniel 206
Herrera, Savannah 99
Herrmann, Mady 179
Hersh, Samuel 76, 218
Hetz, Rebecca 151
Hickerson, Ivy 172
Hicks, Kaylee 112
Higginson, Katy 145
Hill, Bravada 185, 213
Hill, Jill 167
Hill, Ryan 81
Hiller, Samantha 186
Hillesheim, Kelsy 138
Hilliard, Meredith 87
Himmelman, Hannah 158
Hiner, Breanna 165
Hines, Kira 87
Hines, Sara 108
Hinkle, Michael 145
Hinton, Zoe 205
Hintz, Carl 170
Hitchcock, Kaitlyn 206
Ho, Tiffany 180
Hoang, Giang 223
Hobby, Corbin 193
Hodac, An 166
Hoeps, Phillip 66
Hoffman, Marissa 172
Hoffman, Matthew 92
Hoggan, Marina 159
Hoguet, Nicole 141
Holderby, Kyrsten 193
Hollebrandse, Alwin 65
Holman, Marcel 113
Holt, Karina 152
Index by Presenter

Homer, Lauren 98
Honeycutt, Christina 135
Hong, Tao 203
Hood, John 232
Hook, Alexandra 64
Hoops, Susan 218
Hopkins, Hannah 106
Hopper, Montie 192
Horell, Morgan 51
Horn, Corey 104, 129
Horstman, Cara 147
Horton II, James 205
Hosea, Jamesha 159, 204
Hossler, Megan 47
Hosty, Matthew 56
Howell, Julia 212
Hoyt, Kayla 60
Hsain, Hanan 171
Hu, Sharon 121
Hu, Xin 74
Hubbard, Konrad 119
Hubbard, Sean 118
Huddleston, Keylin 217
Hudnall, Darby 65
Huet, AnnMarie 150
Huettl, Angelica 145
Huffman, Katherine Huffman 165
Hughes, Andreanna 122
Hughes, Holley 87
Hughes, Parker 175
Hulen, Sophia 128
Hultin, Emily 110
Humlicek, Megan 97
Hungbui, Wesley 148
Hunke, Megan 205
Hunsanger, Elena 149
Hunter, Ashli 105
Hunter, Haywood 216
Huntington, Ryan 125
Hurleny, Cara 87
Hurst, Katlyn 127
Hutchens, Andrew 38
Hutchings, Meredith 81
Hutchinson, Andrew 136
Huynh, Thanh 94
Hwang, Jenny 181
Hyatt, Madisen 160
Hyer, Alex 62
Hylton, Khachedra 146, 222

I
Idea, David 223
Idell, Amerin 97
Ifeanyi, Nnenna 185
Immler, Kathryn 217
Ingenthon, Benjamin 160
Inglis, Amanda 94
Ingram, Dominic 225
Ingram, Erin 53
Inlow, James 153
Irani, Sanaya 143
Irish, Kathryn 118
Irvan, Marcus 46
Isaac, Joslyn 210
Isacks, Patrick 85
Isibue, Earle 208
Iskandar, Nadine 130
Iusupova, Aiperi 231
Izquierdo, Pedro 134
Izyk, Christine 227

Jackson, Cameron 161
Jackson, Christa 167
Jackson, Devine 214
Jackson, Holly 98
Jackson, Skylar 53
Jackson, Winston 172
Jacob, Brigid 54
Jacobs, Hannah 40
Jaeger, Andrew 218
Jafari, Kamron 55
Jain, Avish 193
Jakeli, Tamar 190
Jakeway, Eileen 95
Jalil, Daroon 132
James, Logan 223
James, Madison 186
James, Rebekah 117
Jameson, Morghan 226
Janis, Scott 141
Jankowski, Alex 60
Jawabnavis, Srikavya 127
Jeffko, Michael 179
Jenkins, Alexis 208
Jenkins, Jonathan 172
Jenkins, Sarina 232
Jennette, Michelle 158
Jennings, Caitlin 200
Jennings, Emily 116
Jensen, Christian 201
Jensen, Robert 105
Jeon, Andrew 218
Jervis-Viville, Jessica 93
Jessen, Anna 93
Jhaveri, Harsh 56
Jimenez, Paola 140
Jinnight, Hayden 50

Jipp, Taylor 105
Johnson, Deanna 134
Johnson, MaKenna 151
Johnson, Erica 201
Johnson, Alyssa 191, 214
Johnson, Arion 205
Johnson, Billy 165
Johnson, Claire 133
Johnson, Ebony 227
Johnson, Esther 59
Johnson, Hannah 71
Johnson, Jamie 182
Johnson, Janna 60
Johnson, Jeremy 75
Johnson, Joel 96
Johnson, John 205
Johnson, Keith 126
Johnson, Kyle 179
Johnson, Madeline 234
Johnson, Mercede 85
Johnson, Natasha 229
Johnson, Shelia 201
Johnson, T‘quavious 77
Johnson, Wyatt 237
Johnson, Zara 116
Johnstone, James 110
Jones, Andrew 191
Jones, Brooke 186
Jones, Elizabeth 149
Jones, F’lecia 94
Jones, Jacob 40
Jones, Jessica 171
Jones, Kevin 83
Jones, Kirby 103
Jones, Mackenzie 155
Jones, Marina 119
Jones, Mark 178
Jones, Matthew 164
Jones, Morgan 49
Jones, Nikki 104
Jones, Zac 109, 127
Joosten, Victoria 47
Jordan, Nicole 152
Jordan, Tanya 65
Jousma, Jordan 54
Joyce, Amanda 101
Joyce, Darby 131
Joyner, Haleigh 212
Juarez, Olivia 99
Juhasz, Dora 145, 171
Jump, Adam 101
Jump, Geneva 162
Jupina, Lauren 164
Kadjeski, Meredith 154
Kaiser, Allison 145
Kaja Najumudeen, Mohamat Eirban Ali Bin 155
Kakenmaster, Bill 76
Kalotkin, Ariel 152
Kalp, Colleen 199
Kamara, Aminata 75
Kanady, Lauren 114
Kanakamedala, Gautam 213
Kanakamedala, Loukya 223
Kanakamedala, Swathi 221
Kang, Hyejoo 176
Kannel, Katelyn 199
Kanter, Mitchel 213
Kapp, Kathryn 54
Karaga, Oumar 51, 191
Karpeuk, Stephanie 86
Karra, Ramasahitya 193
Karras, Elizabeth 72
Kartaly, Kendall 87, 104
Kats, Hannah 143
Kattan, Judy 180
Katz, Isabelle 91
Katz, Ned 180
Katz, Tatum 109
Kaur, Manpreet 194
Kaur, Sharonjeet 174
Kaushik, Akhil 142
Kawahigashi, Emily 85
Keaton, Benjamin 210
Keck, Jessica 207
Keen, Christian 59
Kehoe, Brendan 86
Kelleher, Jennifer 218
Kelley, Holden 142
Kelly, Janelle 140
Kelner, William 206
Kelting, Emily 146
Kenei, Edward 173
Kenawy, Hagar 195
Kendall, Tess 216
Kenedy, Kyle 226
Kendall, broccoli 188
Kennelly, Samantha 160
Kern, Jordan 145
Kerns, Evelyn 69
Kersten, Jenna 216
Kesler, Emiliee 217
Ketch, Elise 105
Ketelhohn, Rachelle 144
Ketron, Hope 138
Keyes, Aislyn 110
Khalafallah, Youssef 194
Khan, Oneeka 71
Khan, Rahanna 126
Khin, Jennifer 104
Khoukhi, Amer 37
Kibler, Megan 146
Kidder, Jane 49
Kieler, Molly 211
Kiker, Erin 233
Kim, Anya 73
Kim, Chris 123
Kim, Josephine 54
Kimura, Brianne 181
King, Ashley 68
King, Grace 110
King, Justin 227
King, Lauri 74
King, Melanie 114
King, Randall 89
King, Samuel 145
King, Shay 112
King, Timothy 108
Kinley, Masha 230
Kippen, Tyler 228
Kirby, Abigail 68
Kirkeide, Courtney 45
Kissel, Heather 217
Kissinger, Tia 180
Kleman, Hannah 148
Kleppe, Morgan 155
Kletz, Samantha 143
Klimes, Alexa 50
Kling, Hannah 205
Kloos, Mary 196
Knaak, Michael 97
Kneffer, Calypso-Jade 154
Knight, Joshua 127
Knight, Mackenzie 43
Knowles, Catherine 132
Knutson, Katherine 225
Koby, Hannah 62
Koch, Kalen 152
Koch, Kate 135
Koch, Mary-Margaret 71
Kolia, Sadaf 142
Kolling, Adam 150
Kolliopoulos, Vasili 218
Koltsov, Andrey 129
Korfhage, Justin 117
Korol, Katherine 142
Kotha, Amulya 209
Kounlavong, Emily 232
Kourie, Cortney 82
Kousen, Amanda 103
Koyfman, Katherine 126
Kozen, Darby 100
Krach, Kendall 237
Kramer, Debra 146
Krause, Fernando 161
Kremer, Colleen 106
Krisz, Sneha 67
Krivenchina, Chava 43
Krupp, Jersey 188
Kruze, Caroline 218
Kucko, Katherine 183
Kudach, Christina 93
Kuenzli, Madison 88
Kueppers, Rachel 141
Kugler, Kyle 233
Kuhn, Adam 97
Kuiken, Bethany 76
Kuklo, Madeline 145
Kulaga, Nicholas 96
Kulish, Bailee 152
Kumar, Jay 168
Kumar, Nidhi 124
Kummer, Kaitlin 68
Kuo, Lilo 42
Kurtz, Cameron 55, 200
Kurtz, Sarah 221
Kurzu, Sarah 124
Kuzmanovski, Nikola 134
Kwan, Anthony 140

L
L. Moffitt, Desmond 226
LaBrecque-Grenier, Marisa 52, 152
Lacey, Alexander 78, 222
Ladson, Brittany 229
Lahay, Amber 234
Lall, Malvika 212
LaMartina, Kelsey 143
Lamb, Kaylee 50
Lambeth, Sierra 160
Lamira, Jenise 235
Lamm, Jared 207
Lane, Lyndsey 66
Langer, Diana 59
Langevin, Nicole 136
Langley, Erin 204, 230
Larry, Shira 163
Lara, Skylee 187
Larabee, Drew 46
Larkin, Gabriela 193
Larson, Chelsea 129
Larson, Emily 229
Larson, Mitchel 190
Lashley, Marshae 140
Laskary, Andrew 182
<table>
<thead>
<tr>
<th>Presenter Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lason, Victoria</td>
<td>141</td>
</tr>
<tr>
<td>Lassonde, Karla</td>
<td>37</td>
</tr>
<tr>
<td>Lathe, Cody</td>
<td>131</td>
</tr>
<tr>
<td>Lato, Ashley</td>
<td>215</td>
</tr>
<tr>
<td>Latourette, Monique</td>
<td>223</td>
</tr>
<tr>
<td>Lau, Zachary</td>
<td>69</td>
</tr>
<tr>
<td>Lauzon, Shelby</td>
<td>95</td>
</tr>
<tr>
<td>Lavellee, Richard</td>
<td>164</td>
</tr>
<tr>
<td>LaVergne, Emily</td>
<td>144</td>
</tr>
<tr>
<td>Lawrence, Jacintha</td>
<td>209</td>
</tr>
<tr>
<td>Lawson, Temiloluwa</td>
<td>211</td>
</tr>
<tr>
<td>Le, Nhan</td>
<td>209</td>
</tr>
<tr>
<td>Le, Trang</td>
<td>168</td>
</tr>
<tr>
<td>Le, Bleu, Heather</td>
<td>222</td>
</tr>
<tr>
<td>Leach, Nykia</td>
<td>67</td>
</tr>
<tr>
<td>Leaf, Jennifer</td>
<td>65, 74</td>
</tr>
<tr>
<td>Leboffe, Emily</td>
<td>160</td>
</tr>
<tr>
<td>Lebsack, Luke</td>
<td>47</td>
</tr>
<tr>
<td>Leckel, Ryan</td>
<td>157</td>
</tr>
<tr>
<td>Lecus, Ryan</td>
<td>208</td>
</tr>
<tr>
<td>Leddin, Emily</td>
<td>133</td>
</tr>
<tr>
<td>Lebesma, Roselee</td>
<td>215</td>
</tr>
<tr>
<td>Lee, Anesha</td>
<td>75</td>
</tr>
<tr>
<td>Lee, Christine</td>
<td>78</td>
</tr>
<tr>
<td>Lee, Crystal</td>
<td>235</td>
</tr>
<tr>
<td>Lee, Jihyun</td>
<td>143</td>
</tr>
<tr>
<td>Lee, Nathan</td>
<td>209</td>
</tr>
<tr>
<td>Lee, Peter</td>
<td>81</td>
</tr>
<tr>
<td>Lee, Sean</td>
<td>225</td>
</tr>
<tr>
<td>Lee, Sze Wah</td>
<td>147</td>
</tr>
<tr>
<td>Leeper, Spencer</td>
<td>201</td>
</tr>
<tr>
<td>LeGarde, Selena</td>
<td>219</td>
</tr>
<tr>
<td>LeGarde, Cynthia</td>
<td>219</td>
</tr>
<tr>
<td>Legg, John</td>
<td>70</td>
</tr>
<tr>
<td>Leggins, Autumn</td>
<td>126</td>
</tr>
<tr>
<td>Leichtfuss, Amanda</td>
<td>205</td>
</tr>
<tr>
<td>Leidholt, Savannah</td>
<td>224</td>
</tr>
<tr>
<td>Lekah, Emily</td>
<td>237</td>
</tr>
<tr>
<td>Lemon, Phoebe</td>
<td>48</td>
</tr>
<tr>
<td>Lengel, Brandon</td>
<td>177</td>
</tr>
<tr>
<td>Lensegrav, Shaley</td>
<td>86</td>
</tr>
<tr>
<td>Lent, Kirra</td>
<td>104</td>
</tr>
<tr>
<td>Leonard, William</td>
<td>146</td>
</tr>
<tr>
<td>Leonard, Ill, Richard</td>
<td>181</td>
</tr>
<tr>
<td>Leong, Xing Yee</td>
<td>51</td>
</tr>
<tr>
<td>Leonhardt, Isaac</td>
<td>183</td>
</tr>
<tr>
<td>Lester, Beth</td>
<td>46</td>
</tr>
<tr>
<td>Letch, Cameron</td>
<td>224</td>
</tr>
<tr>
<td>Levano, Josh</td>
<td>230</td>
</tr>
<tr>
<td>LeVine, David</td>
<td>46</td>
</tr>
<tr>
<td>Levingston, Trevor</td>
<td>124</td>
</tr>
<tr>
<td>Levy, Cassidy</td>
<td>217</td>
</tr>
<tr>
<td>Lew, Samantha</td>
<td>147</td>
</tr>
<tr>
<td>Lewis, Mariah</td>
<td>221</td>
</tr>
<tr>
<td>Lewis, Taylor</td>
<td>156</td>
</tr>
<tr>
<td>Lewis, Timothy</td>
<td>62</td>
</tr>
<tr>
<td>Lewis, Zachary</td>
<td>190</td>
</tr>
<tr>
<td>Lewis Polsky, Tessa</td>
<td>215</td>
</tr>
<tr>
<td>Li, Mengchi</td>
<td>147</td>
</tr>
<tr>
<td>Li, Xinran</td>
<td>56</td>
</tr>
<tr>
<td>Li, Xitong</td>
<td>111</td>
</tr>
<tr>
<td>Liang, Chen</td>
<td>123</td>
</tr>
<tr>
<td>Liberti, Sarah</td>
<td>99</td>
</tr>
<tr>
<td>Lien, Fiona</td>
<td>194</td>
</tr>
<tr>
<td>Liles, Jennifer</td>
<td>69</td>
</tr>
<tr>
<td>Lillehaugen, Matthew</td>
<td>114</td>
</tr>
<tr>
<td>Lim, Emmanuel</td>
<td>189</td>
</tr>
<tr>
<td>Lim, Joseph</td>
<td>45</td>
</tr>
<tr>
<td>Limberis, Argie</td>
<td>85</td>
</tr>
<tr>
<td>Lin, Julia</td>
<td>142</td>
</tr>
<tr>
<td>Lin, Tracy</td>
<td>179</td>
</tr>
<tr>
<td>Lindberg, Charles</td>
<td>160</td>
</tr>
<tr>
<td>Lindsay, Jaidha</td>
<td>43</td>
</tr>
<tr>
<td>Lindsay, Megan</td>
<td>179</td>
</tr>
<tr>
<td>Lindsey, Chance</td>
<td>160</td>
</tr>
<tr>
<td>Ling, Joyce</td>
<td>122</td>
</tr>
<tr>
<td>Lipari, Stephanie</td>
<td>98</td>
</tr>
<tr>
<td>Lipshaw, Ashley</td>
<td>196</td>
</tr>
<tr>
<td>Liu, Amanda</td>
<td>103</td>
</tr>
<tr>
<td>Liu, Jenny</td>
<td>212</td>
</tr>
<tr>
<td>Livingston, Jamie</td>
<td>106</td>
</tr>
<tr>
<td>Lloyd, Victoria</td>
<td>63</td>
</tr>
<tr>
<td>Lloyd, Zachary</td>
<td>132</td>
</tr>
<tr>
<td>Lockard, Brigid</td>
<td>98</td>
</tr>
<tr>
<td>Lodhi, Humera</td>
<td>96</td>
</tr>
<tr>
<td>Loh, Samantha</td>
<td>141</td>
</tr>
<tr>
<td>Lohbauer, Sara</td>
<td>100</td>
</tr>
<tr>
<td>Lomax, Victoria</td>
<td>156</td>
</tr>
<tr>
<td>Lombardi, Angelina</td>
<td>98</td>
</tr>
<tr>
<td>London, Chloe</td>
<td>99</td>
</tr>
<tr>
<td>Lonetti, Olivia</td>
<td>202</td>
</tr>
<tr>
<td>Long, Bryan</td>
<td>179</td>
</tr>
<tr>
<td>Long, Emily</td>
<td>114</td>
</tr>
<tr>
<td>Long, Patrick</td>
<td>93</td>
</tr>
<tr>
<td>Long, Samuel</td>
<td>116</td>
</tr>
<tr>
<td>Longenecker, Deborah</td>
<td>108</td>
</tr>
<tr>
<td>Loomba, Niharika</td>
<td>197</td>
</tr>
<tr>
<td>Looper, Grant</td>
<td>58</td>
</tr>
<tr>
<td>Lopez, Lizbeth</td>
<td>211</td>
</tr>
<tr>
<td>Lopez, Maria</td>
<td>177</td>
</tr>
<tr>
<td>Lopez, Will</td>
<td>42</td>
</tr>
<tr>
<td>Lopez Alonso, Pablo</td>
<td>58</td>
</tr>
<tr>
<td>Lopez Reyes, Yessenia</td>
<td>128</td>
</tr>
<tr>
<td>Lopp, Andy</td>
<td>218</td>
</tr>
<tr>
<td>Lorenc, Miranda</td>
<td>121</td>
</tr>
<tr>
<td>Lose, Adam</td>
<td>40</td>
</tr>
<tr>
<td>Louie, Sara</td>
<td>40</td>
</tr>
<tr>
<td>Love, Amber</td>
<td>163</td>
</tr>
<tr>
<td>Love, Casey</td>
<td>169</td>
</tr>
<tr>
<td>Lovett, Auniea</td>
<td>69</td>
</tr>
<tr>
<td>Low, Natalie</td>
<td>207</td>
</tr>
<tr>
<td>Lowry, Nathan</td>
<td>161</td>
</tr>
<tr>
<td>Lozano, Veronika</td>
<td>102</td>
</tr>
<tr>
<td>Lu, Jiayue</td>
<td>100</td>
</tr>
<tr>
<td>Lubliner, Samantha</td>
<td>211</td>
</tr>
<tr>
<td>Luckin, Zachary</td>
<td>89</td>
</tr>
<tr>
<td>Ludeman, Katherine</td>
<td>92</td>
</tr>
<tr>
<td>Luevano, Edgardo</td>
<td>175</td>
</tr>
<tr>
<td>Lugo, Yulie</td>
<td>178</td>
</tr>
<tr>
<td>Lui, Kent</td>
<td>211</td>
</tr>
<tr>
<td>Luo, Laura</td>
<td>185</td>
</tr>
<tr>
<td>Lusso, Maria</td>
<td>169</td>
</tr>
<tr>
<td>Lutz, Benjamin</td>
<td>127</td>
</tr>
<tr>
<td>Lybbert, Meg</td>
<td>137, 180</td>
</tr>
<tr>
<td>Lyden, Chloe</td>
<td>53</td>
</tr>
<tr>
<td>Lydner, Rashana</td>
<td>58</td>
</tr>
<tr>
<td>Lydon, Mikayla</td>
<td>78</td>
</tr>
<tr>
<td>Lynch, Kyle</td>
<td>61, 117</td>
</tr>
<tr>
<td>Lynch, Kynana</td>
<td>77</td>
</tr>
<tr>
<td>Lynch, Madalyn</td>
<td>47</td>
</tr>
<tr>
<td>Lynch-Alexander, Erin</td>
<td>36</td>
</tr>
</tbody>
</table>

**M**

Ma, Daniel 172
Ma, Yizhou 236
Macauley, Kellie 90
Mace-Rodon, Sarah 198
Machado, Zachary 41, 172
Machamer, Ashley 171
Maciel, Samantha 107
Macisco, Kaitlyn 87
MacKay, Grace 77
MacKenzie, Logan 189
Mackiewicz, Alayna 176
Macziewski, Jenna 207
Madden, Janna 144
Madge, Victoria 204
Maes, Joseph 233
Maezumi, Ayana 157
Magan, Mary 120
Magruder, Briana 219
Mahabaduge, Hasitha 37
Mahaffy, Kelly 113
Mahmoud, Dalal 237
Mahmoud, Nour 214
Maio, Shannon 154
Majer, Helen 195
Major, Catherine 133
Mak, Jennifer 228
Malcolm, Nicholas 212
Maldonado, Martin 89
Maldonado, Veronika 227
Maldonado-Rivera, Shamir 173
Maldonado-Vélez, Sebastián 49, 96
Malecha, Katelynn 170
Malik, Moheen 152
Index by Presenter

Malin, Whitney 189
Malinowski, Konrad 38, 39
Malloy, Rachel 216
Mallozzi, Lucia 217
Malone, Dominique 88
Malone, Timothy 108
Maloney, Shannon 162
Maloney, Troy 211
Manson, Nayan 213
Mann, Elise 199
Manusia, Olivia 117
Mao, Zhiqi 102
Markey, Jessica 153
Markman, Elisabeth 39
Marks, Amanda 206
Marolf, David 64
Marotta, Julianna 102
Marroquin-Villa, Yahaira 205
Marsh, Nickolas 189
Marsh, Anna 179
Marshall, Alexa 98
Marshall, Christopher 182
Marshall, Joshua 79
Martell, Kjirstin 108
Martelli, Mia 38
Martin, Delaney 162
Martin, Jennifer 189
Martin, Kristen 166
Martin, Mary 114
Martin, Sarah 143
Martinez, Jesus 39, 143
Martinez-Ibanez, Eduardo 154
Marton, Christina 218
Masella, Alec 128, 135
Maska, Richard 50
Mason, Heather 185
Mason, Morgan 199
Mason Basiliere, Chelsea 121
Mason, Alyssa 115
Mason, Rebecca 143
Masters, Stephanie 194
Matei, Christine 151
Mathewson, Carly 165
Matrassi, Kaitlyn 155
Matson, Ashton 226
Matt, Jonathan 188
Matta, Amanda 90
Matta, Maria 195
Mattfeld, Jeremy 207
Matveeva, Toma 176
Maupin, Callen 227
Mauro, Sabatina 215
Mausteller, Emily 206
Maxino, Monica 68
Maxwell, Matt 231
May, Regan 216
May, Xavier 203
Maya, Jessica 151
Maya-Callen, Martina 53
Mayer, Timothy 123
Mazzola, Rachel 155
McAnany, Abby 173
McArthur, Channell 208
McBride, Julian 211
McCabe, Madelaine 128
McCalidain, Ella 115
McCandless, Victoria 112
McCartney, Julia 175
McCauley, Madison 70
McClantoc, Keshia 95
McCray, Anna-Catherine 98
McCray, William 92
McCroskey, Matthew 125
McCuen, Lindsay 73
McDaniel, Jessica 207
McDermott, Joseph 133
McDonnell, Anna Margaret 54
McDougal, Keefe 166
McDougal, Taylor 131
McFadden, Taryn 93
McFarland, Stuart 190
McGaha, Jesse 140
McGar, Ashley 178
McGinnis, ReLiza 149
McGlone, Michael 140
McGrath, Alex 48
McGuire, Joseph 39
McIntyre, Allie 200
McIntyre, Kelcy 82
McKenzi, Kelsey 100
McKenzie, Madeleine 202
McKinney, Meghan 236
McLean, Hillary 156
McLean, Susan 130
McLendon, Hannah 210
McLeod, Madeline 139
McMahon, Caleb 125
McMullin, Margaret 198
Meacham, Hailee 123
Meadors, Quinten 185
Meagher, Greer 183
Medina, Arianna 168
Medina, Daniela 194
Medina, Juan 126
Mehdi, Batool 204
Mehdi, Zehra 208
Mehlrose, Mikaela 53
Mehta, Milauni 177
Meister, Nicole 194
Meixner, Kayla 155
Meikial, Martin 111
Meko, Joseph 139
Melandier, Gunther 154
Mellendez, Edith 67
Melly, Erin 170
Melson, Caroline 191
Melton, Timothy 115
Melvin, Alyssa 45
Menalled, Uriel 197
Mendes, Hector 147
Menke, Bryson 114
Mentari, Odilia 118
Mericle, Mandy 132
Merseli, Jelena 141
Mesa, Carmen 44
Messbarger, Lauren 189
Messinetti, Jacqueline 48
Messner, Catherine 233
Messner, Ellen 53
Meyberg, Kimberly 168
Meyer, Danielle 73
Meyer, Martha 131
Meyers, Caroline 108
Meyers, Lauren 96
Meza, Krystal 91
Michel, Kerlin 70
Michel, Stephanie 124
Mickler, Shelby 128
Middlebrooks, Jordan 152
Mikenis, Robert 144
Mikolajczak, Monika 159
Mikosch, Josie 224
Millburn, Gregory 144
Miles, Deveny 38
Miles, Maraina 116
Miller, Amanda 73, 151, 152
Miller, Anna 180
Miller, Doryan 100
Miller, Emily 225
Miller, Jazmin 99
Miller, Nathan 63
Miller, Patricia 182
Miller, Paul 125
Miller, Stefanie 158
Millier, Peter 233
Mills, William 150
Millward, Joseph 57
Milosz, Alyssa 79
Mims, Angel 207
Minassian, Gabrielle 75
Miner, Brandon 151
Miner, Kristin 142
Ming, Zishan 147
# Index by Presenter

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mingo-Dabney, Michael</td>
<td>216</td>
</tr>
<tr>
<td>Minhas, Jaya</td>
<td>183</td>
</tr>
<tr>
<td>Mire, Leon</td>
<td>136</td>
</tr>
<tr>
<td>Mireles, Rodrigo</td>
<td>47</td>
</tr>
<tr>
<td>Miskell, Robert</td>
<td>128</td>
</tr>
<tr>
<td>Mitchell, Hannah</td>
<td>191</td>
</tr>
<tr>
<td>Mitchell, Jan</td>
<td>156</td>
</tr>
<tr>
<td>Mitchell, Katherine</td>
<td>47</td>
</tr>
<tr>
<td>Mitchell, Ken</td>
<td>83</td>
</tr>
<tr>
<td>Mitchell, Tyler</td>
<td>171</td>
</tr>
<tr>
<td>Mize, Brandi</td>
<td>82</td>
</tr>
<tr>
<td>Mize, Jonathan</td>
<td>66</td>
</tr>
<tr>
<td>Mlynek, Brittany</td>
<td>78</td>
</tr>
<tr>
<td>Mobley, Andrea</td>
<td>233</td>
</tr>
<tr>
<td>Mobley, Devon</td>
<td>169</td>
</tr>
<tr>
<td>Modha, Nidhi</td>
<td>46</td>
</tr>
<tr>
<td>Moefu, Kawhiokokai</td>
<td>224</td>
</tr>
<tr>
<td>Moeller, Molly</td>
<td>169</td>
</tr>
<tr>
<td>Moffatt, Synclaire</td>
<td>81</td>
</tr>
<tr>
<td>Mohamed, Fathima</td>
<td>109</td>
</tr>
<tr>
<td>Mohammad, Ibrahim</td>
<td>92</td>
</tr>
<tr>
<td>Mohan, Devesh</td>
<td>102, 162</td>
</tr>
<tr>
<td>Mokashi, Mugdha</td>
<td>74, 184</td>
</tr>
<tr>
<td>Moomoh, Ibrahim</td>
<td>207</td>
</tr>
<tr>
<td>Monke, Amanda</td>
<td>76</td>
</tr>
<tr>
<td>Monteith, Reagan</td>
<td>100</td>
</tr>
<tr>
<td>Moore, Bridge</td>
<td>202</td>
</tr>
<tr>
<td>Moore, Janeisha</td>
<td>167</td>
</tr>
<tr>
<td>Moore, Lewis</td>
<td>131</td>
</tr>
<tr>
<td>Moore, Margaret</td>
<td>61, 80</td>
</tr>
<tr>
<td>Moore, Savannah</td>
<td>149</td>
</tr>
<tr>
<td>Moot, Caroline</td>
<td>94</td>
</tr>
<tr>
<td>Morales, Cindy</td>
<td>131</td>
</tr>
<tr>
<td>Morales, Michael</td>
<td>158</td>
</tr>
<tr>
<td>Morales, Adriana</td>
<td>64</td>
</tr>
<tr>
<td>Morgan, Grace</td>
<td>166</td>
</tr>
<tr>
<td>Morin, Justin</td>
<td>93</td>
</tr>
<tr>
<td>Moricka, Wesley</td>
<td>214</td>
</tr>
<tr>
<td>Morris, Rebecca</td>
<td>147</td>
</tr>
<tr>
<td>Morris, Shea</td>
<td>75</td>
</tr>
<tr>
<td>Morris, Shelby</td>
<td>230</td>
</tr>
<tr>
<td>Morris-Bates, Taylor</td>
<td>164</td>
</tr>
<tr>
<td>Morrison, Casey</td>
<td>165</td>
</tr>
<tr>
<td>Morrison, danielle</td>
<td>210</td>
</tr>
<tr>
<td>Morrow, Brandon</td>
<td>57</td>
</tr>
<tr>
<td>Morser, David</td>
<td>157</td>
</tr>
<tr>
<td>Morsovillo, Jack</td>
<td>53</td>
</tr>
<tr>
<td>Mortensen, Ambjoern</td>
<td>87</td>
</tr>
<tr>
<td>Morthera, Cassandra</td>
<td>178</td>
</tr>
<tr>
<td>Moses, Natalie</td>
<td>141</td>
</tr>
<tr>
<td>Mosher, Samuel</td>
<td>60</td>
</tr>
<tr>
<td>Moss Hawkins, Arthur</td>
<td>66</td>
</tr>
<tr>
<td>Mourir, Abdughani</td>
<td>214</td>
</tr>
<tr>
<td>Mousavizadegan, Nichole</td>
<td>199</td>
</tr>
<tr>
<td>Moya, Cecilia</td>
<td>101</td>
</tr>
<tr>
<td>Moya, Maricruz</td>
<td>103</td>
</tr>
<tr>
<td>Mozuch, Joseph</td>
<td>176</td>
</tr>
<tr>
<td>Mubarak, Khadija</td>
<td>197</td>
</tr>
<tr>
<td>Muckin, Andrew</td>
<td>159</td>
</tr>
<tr>
<td>Mueller, Emmi</td>
<td>91</td>
</tr>
<tr>
<td>Mueller, Mary Kate</td>
<td>76</td>
</tr>
<tr>
<td>Muldowney, Meghann</td>
<td>64</td>
</tr>
<tr>
<td>Mundorf, Rusty</td>
<td>174, 193</td>
</tr>
<tr>
<td>Mundy, Jessica</td>
<td>77, 188</td>
</tr>
<tr>
<td>Munlyn, Ambra</td>
<td>45</td>
</tr>
<tr>
<td>Munoz, Marissa</td>
<td>151</td>
</tr>
<tr>
<td>Munson, Kaila</td>
<td>99</td>
</tr>
<tr>
<td>Murphy, Ashley</td>
<td>57</td>
</tr>
<tr>
<td>Murphy, Bridget</td>
<td>219</td>
</tr>
<tr>
<td>Murphy, Christa</td>
<td>145</td>
</tr>
<tr>
<td>Murphy, Jenna</td>
<td>49</td>
</tr>
<tr>
<td>Murphy, Madison</td>
<td>125</td>
</tr>
<tr>
<td>Murray, Casey</td>
<td>193</td>
</tr>
<tr>
<td>Murray, Jacqueline</td>
<td>210</td>
</tr>
<tr>
<td>Murray, Sarah</td>
<td>102</td>
</tr>
<tr>
<td>Murrietta, Kimberly</td>
<td>139</td>
</tr>
<tr>
<td>Muscatello, Jacqlyn</td>
<td>235</td>
</tr>
<tr>
<td>Musgrove, Olivia</td>
<td>99, 211</td>
</tr>
<tr>
<td>Musselman, Ryan</td>
<td>176</td>
</tr>
<tr>
<td>Mwaniki, Kwendo</td>
<td>198</td>
</tr>
<tr>
<td>Myers, Courtney</td>
<td>153</td>
</tr>
<tr>
<td>Myers, Wendy</td>
<td>139</td>
</tr>
<tr>
<td>Myklebust, Livianna</td>
<td>83</td>
</tr>
<tr>
<td>Myrman, Lacy</td>
<td>90</td>
</tr>
</tbody>
</table>

## N

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nagel, Vincent</td>
<td>222</td>
</tr>
<tr>
<td>Nahrwold, Bryan</td>
<td>46</td>
</tr>
<tr>
<td>Naidu, Rashmi</td>
<td>89</td>
</tr>
<tr>
<td>Nameniuk, Amanda</td>
<td>115</td>
</tr>
<tr>
<td>Nance, Bailey</td>
<td>149</td>
</tr>
<tr>
<td>Narayanan, Annapoorani</td>
<td>183</td>
</tr>
<tr>
<td>Nault, Emma</td>
<td>188</td>
</tr>
<tr>
<td>Navarrete, Emilio</td>
<td>154</td>
</tr>
<tr>
<td>Navarro Suarez, Diana</td>
<td>57</td>
</tr>
<tr>
<td>Naylor, Megan</td>
<td>197</td>
</tr>
<tr>
<td>Nazzaro, Katherine</td>
<td>112</td>
</tr>
<tr>
<td>Neal, Jennifer</td>
<td>213</td>
</tr>
<tr>
<td>Neal, Nicholas</td>
<td>144</td>
</tr>
<tr>
<td>Nedd, Eboney</td>
<td>232</td>
</tr>
<tr>
<td>Neitzke-Spuill, Logan</td>
<td>130</td>
</tr>
<tr>
<td>Nelson, Afton</td>
<td>52</td>
</tr>
<tr>
<td>Nelson, Chavez</td>
<td>159</td>
</tr>
<tr>
<td>Nelson, Colin</td>
<td>164</td>
</tr>
<tr>
<td>Nelson, Michael</td>
<td>88</td>
</tr>
<tr>
<td>Nelson, Patrick</td>
<td>237</td>
</tr>
<tr>
<td>Nelson Wicks, Faurest</td>
<td>74</td>
</tr>
<tr>
<td>Nelson-Angelsea, caul</td>
<td>155</td>
</tr>
<tr>
<td>Nennig, Hannah</td>
<td>187</td>
</tr>
<tr>
<td>Nesbit, Angeline</td>
<td>229</td>
</tr>
<tr>
<td>Neumann, Anne</td>
<td>153</td>
</tr>
<tr>
<td>Nevin, Rachael</td>
<td>111</td>
</tr>
<tr>
<td>Newman, Callie</td>
<td>94</td>
</tr>
<tr>
<td>Newman, Hannah</td>
<td>155</td>
</tr>
<tr>
<td>Newman, Shwana</td>
<td>50</td>
</tr>
<tr>
<td>Newsom-Stewart, Catherine</td>
<td>194</td>
</tr>
<tr>
<td>Ng, Mario</td>
<td>181</td>
</tr>
<tr>
<td>Ngo, Gerald</td>
<td>219</td>
</tr>
<tr>
<td>Nguyen, Jack</td>
<td>142</td>
</tr>
<tr>
<td>Nguyen, Kevin</td>
<td>204</td>
</tr>
<tr>
<td>Nguyen, Nhat</td>
<td>193</td>
</tr>
<tr>
<td>Nguyen, Nina</td>
<td>220</td>
</tr>
<tr>
<td>Nguyen, Oanh</td>
<td>181</td>
</tr>
<tr>
<td>Nguyen, Phuong</td>
<td>176</td>
</tr>
<tr>
<td>Nguyen, Taylor</td>
<td>175</td>
</tr>
<tr>
<td>Nguyen, Valerie</td>
<td>216</td>
</tr>
<tr>
<td>Nicely, Owen</td>
<td>80</td>
</tr>
<tr>
<td>Nichols, Laura</td>
<td>173</td>
</tr>
<tr>
<td>Nickerson, Emily</td>
<td>188</td>
</tr>
<tr>
<td>Nielesen, Jacob</td>
<td>188</td>
</tr>
<tr>
<td>Niese, Allison</td>
<td>57</td>
</tr>
<tr>
<td>Nieves, Amber</td>
<td>197</td>
</tr>
<tr>
<td>Nilles, Kelsy</td>
<td>175</td>
</tr>
<tr>
<td>Niner, Hanna</td>
<td>97</td>
</tr>
<tr>
<td>Nitti, Samantha</td>
<td>219</td>
</tr>
<tr>
<td>Nizich, Kathleen</td>
<td>197</td>
</tr>
<tr>
<td>Njeru, Stephanie</td>
<td>87</td>
</tr>
<tr>
<td>Noah, Emilie</td>
<td>205</td>
</tr>
<tr>
<td>Nobblitt, Christopher</td>
<td>224</td>
</tr>
<tr>
<td>Noh, Hayne</td>
<td>63</td>
</tr>
<tr>
<td>Noland, William</td>
<td>134</td>
</tr>
<tr>
<td>Nolen, Hunter</td>
<td>158</td>
</tr>
<tr>
<td>Noll, Samantha</td>
<td>224</td>
</tr>
<tr>
<td>Nortake, Sabrina</td>
<td>167</td>
</tr>
<tr>
<td>Norman, Samuel</td>
<td>206</td>
</tr>
<tr>
<td>Northrup, Samuel</td>
<td>131</td>
</tr>
<tr>
<td>Norton, Claire</td>
<td>174</td>
</tr>
<tr>
<td>Nosowitz, Jonathan</td>
<td>193</td>
</tr>
<tr>
<td>Nour, Baker</td>
<td>65</td>
</tr>
<tr>
<td>Nowland, Robert</td>
<td>130</td>
</tr>
<tr>
<td>Nuccio, Angela</td>
<td>190</td>
</tr>
<tr>
<td>Nussman, David</td>
<td>86</td>
</tr>
<tr>
<td>Nuzzo, Jacqueline</td>
<td>150</td>
</tr>
<tr>
<td>Nyhuis, Kelsie</td>
<td>152</td>
</tr>
</tbody>
</table>

## O

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>O’Brien, Cody</td>
<td>170</td>
</tr>
<tr>
<td>O’Connor, Brendan</td>
<td>202</td>
</tr>
<tr>
<td>O’Connor, Margaret</td>
<td>67</td>
</tr>
<tr>
<td>O’Malia, Caroline</td>
<td>96</td>
</tr>
<tr>
<td>O’Malley, Jessica</td>
<td>236</td>
</tr>
<tr>
<td>O’Neill, Allison</td>
<td>80</td>
</tr>
<tr>
<td>O’Quinn, Erin</td>
<td>178</td>
</tr>
<tr>
<td>O’Reilly, Danielle</td>
<td>77</td>
</tr>
<tr>
<td>O’Rourke, Amelia</td>
<td>237</td>
</tr>
</tbody>
</table>
O'Shaughnessy, Sydney 86
O’Sullivan, Brona 168
Oakes, Leanne 96
Oakley, Jacob 115
Obieroma, Stephanie 219
Ochieng, Ivy 163
Ochoa, Emily 156
Ochaya, Natalie 200
Odam, Seth 228
Odum, Matthew 144
Oeschger, Taylor 73
Oestreich, Haley 235
Oey, Lauren 190
Ohelmer, Erin 85
Ojo, Oluwaseyi Matthew 93, 122
Oliver, Mitchell 70
Olms, Chelsea 184
Olsen, Danielle 227
Olson, Matthew 223
Olsson, Trevor 236
Omar, Aya 159
Ong, Aaron 184
Ong, Joshua 212
Onyejegbu, Chukwudi 187
O’Pit Hof, Lincoln 96
Opse, McKenzie 192
Opseth, Joseph 126
Orjuela, Juan 212
Omer, Joseph 117
Orner, Amy 90
Ortega, Mayra 80
Orth, Wesley 172
Ortuno, Jaquelin 98
Osborn, Rebecca 145
Osborne, Emily 105
Oshinski, Paul 156
Osamuka, Oladele 198
Oster, Emma 108, 132
Osorio Granda, Maria Camila 186
Osterbauer, Karl 165
Ostrow, Emily 64
Othman, Nura 194
Otley, Thomas 87
Ottenger, Sarah 207
Otto, Christine 157
Owens, Emily 106
Owens, Hannah 142
Owens, Megan 78
Owens, Trevor 67
Owoc, Daniel 201
Owusu, Danielle 98
Ozburn, Christian 173

P

Pacas, Erika 109
Pace, Sarah 167
Pacini, Emily 136
Page, Emily 230
Paik, Grace 66
Palacio, Hayes 223
Palacios, Israel 83
Palmer, David 111
Palmer, James 65
Palmer, Megan 120
Paly, Stephanie 172
Pang, Sharon 231
Paoli, Elizabeth 65
Papaleo, Cassandra 74
Paragas, Alastair 130
Parchani, Harsha 159
Pare, Julia 128
Parenti, Krista 201
Park, Rita 153
Park, Rosa 231
Parker, Amy 182
Parker, Kathleen 160
Parker, Marisa 60
Parmley, Alexander 41
Parriott, Geoffrey 181
Parrish, Austin 82
Parrish, Maddie 78
Paruta, Amanda 125
Pasala, Monica 229
Passialis, Stephanie 104
Patel, Dhruvee 73
Patel, Ilene 142
Patel, Needheer 230
Patel, Ravi 227
Patel, Yash 155
Patino, Jesus 201
Patrick, Catherine 164
Patrquin, Hannah 57
Patton, Nathanial 234
Patullo, Caitlyn 110
Patzovskovsky, Christopher 119
Paul, Bianca 223
Paul, Delize 220
Pavelka, Meghan 80
Pawlak, Robert 172
Payne, Kaela 213
 Payne-Page, Katelyn 104
Pearl, Erik 100
Pease, Sarah 210
Pederson, Kayla 100
Pedrotti, Hellen 119
Pehowic, Claudia 79
Pendola, Julia 233
Penley, Miranda 132
Penton, Melissa 44
Peoples, Jacob 130
Peralta, Angel 232
Perera, Pattamestrige 153
Perez, Brian 228
Perez, Chelsey 178
Perez, Mildred 222
Perez-Munoz, Andrea 116
Peronto, Adam 87
Perritt, Haley 125
Perry, Laura (LJ) 42
Perry, Tara 217
Persaud, Brandon 86
Pesa, Marisa 113
Peters, Hannah 168
Peters, Jacob 118
Petersen, Cora 117
Petersen, Linnea 66
Petro, Benjamin 137
Petryk, Suzanne 214
Petit, Mark 174, 220
Pfaff, Morgan 222
Pfister, Kris 41
Pflueger, Madlyn 129
Pham, Ashley 234
Pham, Jonathan 208
Phelan, Anne 107
Phelps, Samantha 73
Philippe, Alex 109
Philippi, Sarah 203
Phillips, Casey 70, 107
Phillips, Dallas 56
Phillips, Paige 223
Phillips, R. Christian 130, 136
Phillips, Simon 39
Phung, John 200
Piasecki-Masters, Colette 126
Pietta, Nicole 124
Pickett, Samuel 105
Piedrahita, Lucas 45
Pierce-Messick, Rosemary 52
Pigg, Joshua 226
Pilecki, Maksymilian 92
Pineda, Gia 53
Pinamaraju, Srinarsha 219
Pippin, Brandon Pippin 205
Pisarcik, Kristen 221
Pittman, Stephanie 65
Plaster, Ashley 220
Platt, Anna 212
Plaza-Rodriguez, Alma 184
Plemons, Nathaniel 96
Pointdexter, West 58
Polgreen, Heather 92
Polk, Darean 61
<table>
<thead>
<tr>
<th>Presenter</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pollard, Kylah</td>
<td>235</td>
</tr>
<tr>
<td>Pomposello, Michelle</td>
<td>91</td>
</tr>
<tr>
<td>Pontthieu, Penelope</td>
<td>154</td>
</tr>
<tr>
<td>Popowich, Natasha</td>
<td>53</td>
</tr>
<tr>
<td>Porciuncula, Juliene</td>
<td>137</td>
</tr>
<tr>
<td>Post, Megan</td>
<td>71</td>
</tr>
<tr>
<td>Potharaj, Namratha</td>
<td>176</td>
</tr>
<tr>
<td>Potter, Jade</td>
<td>152</td>
</tr>
<tr>
<td>Potter, Jolene</td>
<td>133</td>
</tr>
<tr>
<td>Potter, Nicholas</td>
<td>139</td>
</tr>
<tr>
<td>Pounds, Emily</td>
<td>110</td>
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<td>Poupore, Nicolas</td>
<td>225</td>
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<td>Index by Presenter</td>
<td></td>
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<td></td>
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<tr>
<td>Rodriguez Sala, Martina 57</td>
<td></td>
</tr>
<tr>
<td>Roesler, Alanna 145</td>
<td></td>
</tr>
<tr>
<td>Rogan, Alyssa 104</td>
<td></td>
</tr>
<tr>
<td>Rogan, Shana 56</td>
<td></td>
</tr>
<tr>
<td>Rogers, Phoenix Rogers 55</td>
<td></td>
</tr>
<tr>
<td>Rogers, Rendi 173</td>
<td></td>
</tr>
<tr>
<td>Rogers, Samantha 135</td>
<td></td>
</tr>
<tr>
<td>Rojas, Ashley 56</td>
<td></td>
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<tr>
<td>Rojas Garcia, Victor 199</td>
<td></td>
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<td>Roland, Carmen 175</td>
<td></td>
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<tr>
<td>Roman, Lilibeth 40</td>
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<td>Roman, Rachel 207</td>
<td></td>
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<td>Rondon, Alberto 140</td>
<td></td>
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<td>Roper, Christopher 218</td>
<td></td>
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<tr>
<td>Rosas, Natalie 107</td>
<td></td>
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<tr>
<td>Rose, Lucia 115</td>
<td></td>
</tr>
<tr>
<td>Rose, Meaghan 109</td>
<td></td>
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<tr>
<td>Rose, Starlina 87</td>
<td></td>
</tr>
<tr>
<td>Rosencrens, William 64</td>
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<tr>
<td>Rosenwall, Marla 49</td>
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<td>Ross, Kimberly 146</td>
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<td>Ross, Kyler 115</td>
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<td>Ross, Robert 110</td>
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<td>Rossi, Joe 69</td>
<td></td>
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<tr>
<td>Rossi, Marissa 150</td>
<td></td>
</tr>
<tr>
<td>Roth, John 158</td>
<td></td>
</tr>
<tr>
<td>Roth, Miriam 225</td>
<td></td>
</tr>
<tr>
<td>Rowen, Leslie 113</td>
<td></td>
</tr>
<tr>
<td>Roy, Emily 228</td>
<td></td>
</tr>
<tr>
<td>Roznoyjak, David 187</td>
<td></td>
</tr>
<tr>
<td>Rubitschung, Katie 150</td>
<td></td>
</tr>
<tr>
<td>Rucci, Gabriel 168</td>
<td></td>
</tr>
<tr>
<td>Rudisell, Rebecca 169</td>
<td></td>
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<tr>
<td>Rudolph, Christopher 70</td>
<td></td>
</tr>
<tr>
<td>Rudolph, Elisa 136</td>
<td></td>
</tr>
<tr>
<td>Rudolph, Jonathan 152</td>
<td></td>
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<tr>
<td>Ruggiero, Emily 67</td>
<td></td>
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<tr>
<td>Ruprecht, John 207</td>
<td></td>
</tr>
<tr>
<td>Russell, Alison 50</td>
<td></td>
</tr>
<tr>
<td>Russell, Bethany 182</td>
<td></td>
</tr>
<tr>
<td>Russell, Lea 204</td>
<td></td>
</tr>
<tr>
<td>Russell, Robert 58</td>
<td></td>
</tr>
<tr>
<td>Russotti, Haley 200</td>
<td></td>
</tr>
<tr>
<td>Rust, Christian 214</td>
<td></td>
</tr>
<tr>
<td>Rutstrom, Daniel 236</td>
<td></td>
</tr>
<tr>
<td>Rystedt, Connor 120</td>
<td></td>
</tr>
<tr>
<td>Ryumae, Ken 144</td>
<td></td>
</tr>
</tbody>
</table>

S

Sabaghian, Avisha 94
Sablan, Estefania 65
Sacco, Jennifer 131
Sacher, Grace 40
Sachs, Madi 67
Sagan, Olivia 195
Sager, Charly 74
Sager, Joshua 223
Sakhalwala, Rima 109
Saladin, Christopher 50
Salazar, Samantha 152
Salazar Jr., David 167
Saldivar, Christopher 130
Salerno, Maria 191
Salhab, Arwa 56
Salig, Lauren 71
Salito, Leah 177
Saluga, Shannon 232
Samerdyke, Ethan 95
Sams, Ronald 188
Sanchez Navarro, Marcos 220
Sandoval, Aaron 141
Sanjinez, Victor 80
Santistevan, Dorothe 90
Santos, Theresa 155, 169
Sapata, Gabrielle 40
Sarsour, Nadeen 156
Sasser, Savannah 114
Sassi, Joshua 150
Sathish, Bhargav 167
Sauer, Cristina 213
Sauls, Rebekah 81
saulsberry, jenalle 53
Saulsby, Alexandra 52
Sauro, Dana 157
Savage, Annie 154
Savant, Elizabeth 78
Scales, Laura 158
Scalese, Marissa 66
Scarborough, Amelia 124
Scarbrough, Amelina 124
Scarbrough, Kemali 124
Scarbrough, Kemali 124
Scarbrough, Kemali 124
Scarbrough, Kemali 124
Scarbrough, Kemali 124
Schaeffer, Ericka 197
Schaeffelin, Kelsey 112
Schafer, Morgan 92
Scheel, Ocean 58
Schell, Lora 194
Scherf, Aaron 102, 139
Scherkenbacht, Hannah 229
Schiedemeyer, Katrina 84
Schiller, Lisa 135
Schindler, Claire 165
Schladweiler, Collin 61
Schlueter, Kristin 89
Schmidkofer, Kyle 110
Schmidt, Kirsten 150
Schmitt, Hannah 225
Schmitz, Jake 190
Schmitz, Sara 164
Schneider, Alison 168
Schoeps, Erika 49
Schrader, Abigail 146
Schrank, Zachary 222
Schreifels, Paige 189
Schroeder, Mallory 144
Schroering, Abby 58
Schultz, Allie 60
Schultz, Hayley 122
Schumacher, Mariah 202
Schupp, Benjamin 216
Schutzman, Brenna 194
Schwartz, Alec 141
Schwartz, Megan 189
Scienza, Luana 61
Scott, Alina 226
Scott, Jimmy 53
Scott, Samantha 231
Scrudato, Melody 200
Sdao, Michelle 138
Seals, Nathaniel 186
Sears, Chandler 152
Seaton, Blake 160
Sech, Michelle 101
Secor, Jacob 72
Seidel, Amber 196
Seidman, Megan 170
Sekoulopolou, Stephen 73, 82
Sellers, Bridget 68
Semnic, Boris 185
Sergeant, Megan 236
Setzer, Kayla 98
Severson, Cassandra 191
Sexton, Kerri 215
Shabman, Jamie 189
Shah, Daniel 181
Shaikh, Sameer 173
Shamhart, Ashley 133
Shanahan, Jenny 36
Shangase, Nosipho 47
Shannon, Bryson 162
Sharif, Tanjila 158
Shaw, Morgan 95
Shay, Samantha 187
Scheer, Erika 153
Shea, Amber 215
Sheehy, Taylor 203
Sheffield, Sarah 214
Sheikh, Muhammad 114
Shekhar, Vibha 88
Shelvik, Adam 184
Sheppard, Kary 59
Sherrer, Gabrielle 163
Shi, Ao 221
Shields, Amber 162
Shirley, Luke 192
Shmilovich, Kirill 85
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shoemaker, Travis</td>
<td>143</td>
</tr>
<tr>
<td>Shongov, Pauline</td>
<td>41</td>
</tr>
<tr>
<td>Shore, Bambi</td>
<td>171</td>
</tr>
<tr>
<td>Short, Rachel</td>
<td>224</td>
</tr>
<tr>
<td>Shoulak, Brianna</td>
<td>109</td>
</tr>
<tr>
<td>Shouse, Emma</td>
<td>117</td>
</tr>
<tr>
<td>Showers, Hanna</td>
<td>118</td>
</tr>
<tr>
<td>Shrestha, Sabi</td>
<td>221</td>
</tr>
<tr>
<td>Shryock, Nancy</td>
<td>233</td>
</tr>
<tr>
<td>Shum, Jamie</td>
<td>126</td>
</tr>
<tr>
<td>Shyne, Perrin</td>
<td>228</td>
</tr>
<tr>
<td>Sicking, Ursula</td>
<td>167</td>
</tr>
<tr>
<td>Siddiqui, Safia</td>
<td>186</td>
</tr>
<tr>
<td>Siegfried, Tabitha</td>
<td>216</td>
</tr>
<tr>
<td>Sigler, Brock</td>
<td>118</td>
</tr>
<tr>
<td>Siler, Nathaniel</td>
<td>134</td>
</tr>
<tr>
<td>Sillart, Sydney</td>
<td>169</td>
</tr>
<tr>
<td>Silver, Joshua</td>
<td>84</td>
</tr>
<tr>
<td>Silverman, Brian</td>
<td>234</td>
</tr>
<tr>
<td>Simmons, Taylor</td>
<td>161</td>
</tr>
<tr>
<td>Simon, Torri</td>
<td>55</td>
</tr>
<tr>
<td>Simonson, Thomas</td>
<td>49, 121</td>
</tr>
<tr>
<td>Simpson, Alexander</td>
<td>217</td>
</tr>
<tr>
<td>Sin, Kai</td>
<td>174</td>
</tr>
<tr>
<td>Sindelar, Danielle</td>
<td>156</td>
</tr>
<tr>
<td>Singh, Rohini</td>
<td>109</td>
</tr>
<tr>
<td>Singleton, Evan</td>
<td>91</td>
</tr>
<tr>
<td>Sinha, Vidushi</td>
<td>40</td>
</tr>
<tr>
<td>Sinowetski, Robert</td>
<td>44</td>
</tr>
<tr>
<td>Sipes, Nicholas</td>
<td>93</td>
</tr>
<tr>
<td>Sisco Oko, Fanta</td>
<td>112</td>
</tr>
<tr>
<td>Skarr, Alexander</td>
<td>70</td>
</tr>
<tr>
<td>Skatrud, Olivia</td>
<td>161</td>
</tr>
<tr>
<td>Skelton, Victoria</td>
<td>63</td>
</tr>
<tr>
<td>Skibstead, Hollie</td>
<td>124</td>
</tr>
<tr>
<td>Skinner, Holly</td>
<td>71</td>
</tr>
<tr>
<td>Skinner, Robert</td>
<td>220</td>
</tr>
<tr>
<td>Skoric, Danica</td>
<td>53</td>
</tr>
<tr>
<td>Slack, Tina</td>
<td>223</td>
</tr>
<tr>
<td>Sliman, David</td>
<td>212</td>
</tr>
<tr>
<td>Sloan, Amanda</td>
<td>174</td>
</tr>
<tr>
<td>Sloey, Elise</td>
<td>66</td>
</tr>
<tr>
<td>Sluka, Christina</td>
<td>178</td>
</tr>
<tr>
<td>Smeltzer, Sarah</td>
<td>93</td>
</tr>
<tr>
<td>Smith, Andrew</td>
<td>163</td>
</tr>
<tr>
<td>Smith, Ashley</td>
<td>230</td>
</tr>
<tr>
<td>Smith, Autumn</td>
<td>54</td>
</tr>
<tr>
<td>Smith, Ayana</td>
<td>143</td>
</tr>
<tr>
<td>Smith, Bridget</td>
<td>57</td>
</tr>
<tr>
<td>Smith, Carrie</td>
<td>162, 225</td>
</tr>
<tr>
<td>Smith, Ciana</td>
<td>174</td>
</tr>
<tr>
<td>Smith, Corey</td>
<td>162</td>
</tr>
<tr>
<td>Smith, Cullen</td>
<td>87</td>
</tr>
<tr>
<td>Smith, Daniel</td>
<td>91</td>
</tr>
<tr>
<td>Smith, David</td>
<td>182</td>
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<tr>
<td>Smith, Emily</td>
<td>202</td>
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<tr>
<td>Smith, Eric</td>
<td>106</td>
</tr>
<tr>
<td>Smith, Hannah</td>
<td>41</td>
</tr>
<tr>
<td>Smith, Ian</td>
<td>176</td>
</tr>
<tr>
<td>Smith, Jamie</td>
<td>137</td>
</tr>
<tr>
<td>Smith, Karah</td>
<td>198</td>
</tr>
<tr>
<td>Smith, Kiera</td>
<td>197</td>
</tr>
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</tr>
<tr>
<td>Veilleux, Shannon</td>
<td>159</td>
</tr>
<tr>
<td>Velasco, Lidia</td>
<td>125</td>
</tr>
<tr>
<td>Ventura, Frank</td>
<td>151</td>
</tr>
<tr>
<td>Vequetini, Patricia</td>
<td>213</td>
</tr>
</tbody>
</table>
Vesling, Alex 64
Vick, Brandon 79
Vilá Terrada, Fernando 197
Villani, David 159
Vincent, Joshua 154
Voigt, Riley 164
Vintsiky, Hanna 186
Violarís, Chrysanthi 100
Visco, Angelo 47, 219
Vogel, Meghan 70
Voytko, Thomas 129
Vyas, Jayati 189
Wade, Dianne 135
Wages, Erin 58
Wagner, Blaine 46
Wagner, Kevin 208
Wagnon, Elizabeth 123
Wakeman, Denise 117
Walder, Nina 63
Walker, Anna 192
Walker, Courtney 91
Walker, Lindsey 171
Wallace, Marissa 40
Wallace, Rebekah 38
Waller, Katherine 162
Wallick, Catherine 127
Wallington, Brooke 49
Walsh, Jennifer 54
Walsh, Margaret 223
Walter, Samuel 214
Walters, Vanessa 177
Wang, Caroline 154
Wang, Zhejian 206
Ward, Alexa 211
Warfel, Rebecca 125
Wargofchik, Andrew 85
Warnacut, Camille 44
Warrington, Clare 69, 123
Washington, Rosetta 47
Watanabe, Kino 228
Watkins, Christopher 144
Watkins, Ellen 81
Watson, Kristina 232
Watson, Tykeena 181
Watters, Amaya 195
Weatherford, Reba 114
Weaver, Parker 114
Weaver, Shannon 92
Weed, Nicole 40
Wedal, Justin 215
Wei, Alice 54
Wei, Yichen 188
Weinberg, Terin 77
Weinelt, Elizabeth 56
Weir, Mary 121
Weiss, Lukas 59
Welch, Christina 230
Wells, Olivia 39
Weltzer, Madeline 222
Wendt, Trevor 231
Wenger, Carter 86
Wenker, Elizabeth 176
Wermeling, Rebeka 179
Werner, Courtney 121
Werner, Lacie 118
West, Hallie 104
Westholm, Brandon 182
Westlake, Quinn 43
Wheeler, Amy 123
Whelan, James 159, 187
Whisler, Clay 95
White, Michael 145
White, Traja 134
Whitener, Wilson 69, 79
Whiting, Alyssa 149
Whitman, Brandi 225
Whitman, Peter 171
Whitman, Rachel 90
Whitney, Brennan 163
Whitney, Megan 205
Whitney, Olivia 77
Wickens, Karana 191
Wiebelhaus, Nancy 109
Wiersma, Codi 146
Wiggins, Melanie 191
Wijesinghe, Don 155
Wilbanks, Brandon 158
Wilcox, Jennifer 150
Wilkinson, Sheridan 55
Williams, Alayna 69
Williams, Alexa 215
Williams, Alyssa 161
Williams, Elizabeth 47
Williams, Eric 74
Williams, Garrett 142
Williams, Keeley 203
Williams, Leah 184
Williams, Lexie 47
Williams, Michael 171
Williams, Micheal 122
Williams, Tyler 170
Willis, Berkeley 232
Willis, David 197
Willis, Jenny 91
Willis, Michael 204
Willis, Moriah 198
Willis, Rachel 105
Wilson, Dwight 206
Wilson, Dylan 99
Wilson, Elizabeth 140
Wilson, Jordan 45
Wilson, Lauren 83
Wilson, Matthew 192
Wilson, Preston 60
Wilson, Zoey 217
Wimberly, Jessica 146
Wingert, Emma 165
Wingert, Katlin 58
Winn, Carly 204
Winnicki, Liv 128
Winslett, Mary-Elizabeth 107
Winters, Veronica 93
Winzer, Sara 221
Withers, Elizabeth 151
Wodarek, Joseph 54
Woeltje, John 137
Wohlschlaeger, Andrew 61
Woldemariam, Katim 119
Wolf, Ian 84
Wolf, Leah 205
Wolk, Aileen 186
Wollmuth, Emily 59, 91
Wolodkin, Daniel 141
Won, Harim 195
Wong, Crystal 60
Wood, Weston 118
Woodard, Andrew 192
Woods, Elena 103
Woods, Samuel 218
Woody, Megan 85, 160
Worcester, Savannah 84
Woten, Katelyn 74, 231
Woyda, Reed 195
Wright, Alec 186
Wright, Jor 203
Wright, Salem 111
Wright, Victoria 176
Wu, Kevin 145
Wu, Oscar 214
Wu, Xiya 127
Wurster, Michael 207
Wyand, Sarah 146
Wyant, Katherine 233
Wyatt, Riley 145
Wyatt, Torrey 237
Wyman, Bethany 138
Wynne, Jonathan 88
X
Xia, Da Qi 126
Xia, Di 186
Xiao, Jennifer 222
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xiong, Ger</td>
<td>40</td>
</tr>
<tr>
<td>Xu, Xin (Sandy)</td>
<td>147</td>
</tr>
<tr>
<td>Xu, Yao</td>
<td>218</td>
</tr>
<tr>
<td>Xue, Zishan</td>
<td>46</td>
</tr>
<tr>
<td>Yacawych, Warren</td>
<td>214</td>
</tr>
<tr>
<td>Yalla, Sai Charaan</td>
<td>140</td>
</tr>
<tr>
<td>Yamanishi, Candace</td>
<td>138</td>
</tr>
<tr>
<td>Yanagida, Hiroshi</td>
<td>65</td>
</tr>
<tr>
<td>Yang, Jisung</td>
<td>56</td>
</tr>
<tr>
<td>Yang, Zihan</td>
<td>169</td>
</tr>
<tr>
<td>Ye, Gaihua</td>
<td>66</td>
</tr>
<tr>
<td>Yeary, Cody</td>
<td>71</td>
</tr>
<tr>
<td>Yedulla, Nikhil</td>
<td>150</td>
</tr>
<tr>
<td>Yelle, Heather</td>
<td>179</td>
</tr>
<tr>
<td>Yen, Ting An</td>
<td>223</td>
</tr>
<tr>
<td>Yetter, Katherine</td>
<td>206</td>
</tr>
<tr>
<td>Yip, Catherine</td>
<td>227</td>
</tr>
<tr>
<td>Yoder, Hannah</td>
<td>66</td>
</tr>
<tr>
<td>Yohannes, Eileen</td>
<td>88</td>
</tr>
<tr>
<td>Yordy, Clare</td>
<td>148</td>
</tr>
<tr>
<td>York, Catherine</td>
<td>162</td>
</tr>
<tr>
<td>Young, Christa</td>
<td>133</td>
</tr>
<tr>
<td>Younger, Elijah</td>
<td>232</td>
</tr>
<tr>
<td>Yount, Zachary</td>
<td>171</td>
</tr>
<tr>
<td>Yu, Christine</td>
<td>219</td>
</tr>
<tr>
<td>Zakutansky, Paul</td>
<td>140</td>
</tr>
<tr>
<td>Zamudio, Jennifer</td>
<td>171</td>
</tr>
<tr>
<td>Zaravar, AliReza</td>
<td>140</td>
</tr>
<tr>
<td>Zavala, Pedro</td>
<td>172</td>
</tr>
<tr>
<td>Zawacki, Alissa</td>
<td>156</td>
</tr>
<tr>
<td>Zayas, Minerva</td>
<td>138</td>
</tr>
<tr>
<td>Zborovancik, Kelsey</td>
<td>146</td>
</tr>
<tr>
<td>Zebrowski, Aileen</td>
<td>204</td>
</tr>
<tr>
<td>Zelin, Michael</td>
<td>36</td>
</tr>
<tr>
<td>Zellers, Julia</td>
<td>97</td>
</tr>
<tr>
<td>Zelmore, Cynthia</td>
<td>50</td>
</tr>
<tr>
<td>Zeng, George</td>
<td>142</td>
</tr>
<tr>
<td>Zezza, Jordan</td>
<td>177</td>
</tr>
<tr>
<td>Zhai, Chenyu</td>
<td>127</td>
</tr>
<tr>
<td>Zhang, Aolin</td>
<td>197</td>
</tr>
<tr>
<td>Zhang, Shirley</td>
<td>221</td>
</tr>
<tr>
<td>Zhao, Fengbo</td>
<td>127</td>
</tr>
<tr>
<td>Zhao, Vicky</td>
<td>163</td>
</tr>
<tr>
<td>Zhou, Amy</td>
<td>185</td>
</tr>
<tr>
<td>Zic, Nicole</td>
<td>129</td>
</tr>
<tr>
<td>Ziegler, Katelyn</td>
<td>113</td>
</tr>
<tr>
<td>Ziegman, Jacqueline</td>
<td>201</td>
</tr>
<tr>
<td>Ziemer, Ananna</td>
<td>46</td>
</tr>
<tr>
<td>Zima, Heather</td>
<td>77</td>
</tr>
<tr>
<td>Zimmerman, James</td>
<td>87</td>
</tr>
<tr>
<td>Zinn, David</td>
<td>224</td>
</tr>
<tr>
<td>Zinn, Heather</td>
<td>198</td>
</tr>
<tr>
<td>Zinovyev, Anatoliy</td>
<td>79</td>
</tr>
<tr>
<td>Zita, Erin</td>
<td>92</td>
</tr>
<tr>
<td>Zitzelberger, Sabrina</td>
<td>132</td>
</tr>
<tr>
<td>Zouai, Meroua</td>
<td>52</td>
</tr>
<tr>
<td>Zuckerman, Suzanne</td>
<td>187</td>
</tr>
<tr>
<td>Zuelke, Noelle</td>
<td>112</td>
</tr>
<tr>
<td>Zuniga, Elsa</td>
<td>159</td>
</tr>
<tr>
<td>Zwingelberg, Anna</td>
<td>131</td>
</tr>
</tbody>
</table>
Index by Subject
A
African American Studies 43, 53, 63, 72, 81, 90, 140
Anthropology 81, 90, 99, 100, 108, 109, 117, 125, 126,
133, 140, 157, 166, 174, 184, 193, 211, 220, 229
Archeology 44, 54, 63, 166, 174, 184, 193, 202, 211
Architecture & Interior Design 73, 81, 149, 157, 166, 174,
184, 193, 202
Art History 43, 53, 62, 63, 72, 81, 90, 99, 108, 117, 125,
132, 149, 157, 166, 174, 184, 193, 202, 211, 220, 229
Astronomy 100, 140, 149, 157, 166, 174, 184, 193,
202, 211, 220, 229

B
Behavioral Neuroscience 52, 61, 71, 80, 89, 140, 149,
157, 158, 166, 174, 175, 184, 193, 202, 203, 211, 212,
220, 229
Biochemistry 44, 54, 63, 64, 117, 126, 133, 140, 149,
158, 166, 175, 184, 185, 193, 194, 203, 212, 220, 221,
229
Biological Engineering 73, 149, 158, 166, 185, 194, 203,
212, 221
Biology 44, 45, 54, 55, 64, 65, 73, 74, 82, 83, 91, 92,
100, 109, 117, 118, 126, 133, 134, 141, 149, 150, 158,
159, 167, 175, 176, 185, 186, 194, 195, 203, 204, 212,
213, 221, 222, 229, 230
Biomedical Engineering 45, 46, 55, 65, 83, 84, 92, 101,
142, 150, 159, 167, 168, 176, 186, 195, 204, 213, 222,
230
Business/Finance/Accounting 56, 74, 84, 93, 119, 142,
150, 151, 159, 168, 176, 186, 195, 204, 213, 222, 231

C
Cell & Molecular Biology 44, 45, 54, 64, 73, 82, 91, 100,
109, 118, 142, 151, 159, 160, 168, 176, 177, 186, 195,
204, 214, 222, 231
Cellular Neuroscience 64, 73, 82, 91, 142, 151, 160,
168, 177, 186, 195, 196, 205, 214, 223, 231
Chemical Engineering 110, 118, 142, 160, 168, 177,
186, 196, 214, 223, 231
Chemistry 45, 54, 55, 64, 73, 82, 91, 101, 109, 110,
118, 142, 143, 151, 152, 160, 168, 169, 177, 186, 187,
196, 205, 214, 215, 223, 231, 232
Civil Engineering 46, 55, 143, 152, 161, 169, 178, 196,
205
Clinical Psychology 52, 61, 71, 80, 89, 98, 107, 116,
124, 143, 152, 161, 169, 178, 187, 196, 205, 206, 215,
223, 224, 232
Cognitive Neuroscience 89, 98, 107, 116, 124, 143, 152,
161, 169, 178, 187, 197, 206, 215, 224, 232
Communication Sciences and Disorders 187, 197, 206,
215, 224, 232
Communications 50, 51, 53, 54, 59, 60, 69, 78, 87, 96,
105, 114, 118, 122, 126, 130, 133, 137, 144, 152, 161,
170, 178, 188, 197, 206, 215, 224, 232

266

Computer Engineering 51, 188, 197, 206, 215, 224
Computer Science 51, 60, 70, 78, 79, 88, 97, 106, 114,
115, 123, 130, 144, 152, 161, 170, 178, 188, 197, 206,
215, 216, 224, 232, 233
Criminology 88, 233

D
Dance Choreography and Performance 38, 39, 43
Dance History and Theory 39, 81, 99

E
Ecology & Organismal Biology 64, 73, 74, 83, 91, 101,
144, 153, 161, 162, 170, 178, 179, 188, 197, 206, 216,
224, 233
Economics 47, 56, 66, 75, 84, 93, 102, 111, 119, 144,
153, 162, 170, 179, 188, 197, 216, 224
Education 44, 48, 49, 57, 58, 67, 68, 76, 77, 85, 86, 94,
95, 103, 104, 112, 120, 128, 135, 144, 153, 162, 170,
179, 188, 197, 198, 206, 207, 216, 224, 225, 233
Electrical Engineering 65, 74, 83, 84, 92, 102, 144, 153,
162, 170, 179, 188, 189, 198, 207, 216, 225, 233
Engineering/Engineering Technology 46, 55, 110, 118,
119, 145, 153, 162, 171, 179, 189, 198, 207, 225, 233
English 49, 50, 58, 59, 68, 77, 86, 87, 95, 96, 104, 105,
112, 113, 121, 128, 129, 135, 136, 145, 153, 171, 189,
198, 207, 216, 225, 234
Entrepreneurship 46, 139, 216, 225
Environmental Engineering 102, 162, 171, 179, 189,
198, 217, 225, 234
Environmental Studies & Sciences 110, 118, 145, 153,
162, 171, 179, 189, 198, 207, 217, 225, 234
Experimental Psychology 52, 61, 71, 80, 89, 98, 107,
116, 124, 131, 132, 138, 139, 145, 153, 154, 162, 163,
171, 179, 180, 189, 198, 207, 208, 217, 225, 226, 234

F
FAN - Faculty Only 36, 37

G
Geography & Earth Sciences 52, 61, 62, 71, 80, 89, 98,
99, 107, 108, 116, 124, 132, 139, 145, 146, 154, 163,
171, 172, 180, 190, 199, 208, 217, 226, 234
Graphic Design 81, 90, 99, 172, 180

H
Health Sciences 45, 55, 65, 74, 83, 92, 101, 110, 118,
119, 146, 154, 163, 172, 180, 190, 199, 208, 218, 226,
235
History 50, 51, 59, 60, 69, 70, 72, 78, 79, 87, 96, 105,
113, 114, 122, 126, 127, 129, 130, 136, 137, 146, 154,
163, 172, 181, 190, 199, 208, 218, 226, 235
Hospitality and Resort Management 47

THE COUNCIL ON UNDERGRADUATE RESEARCH


<table>
<thead>
<tr>
<th>Subject</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial/Systems Engineering</td>
<td>127, 146, 154</td>
</tr>
<tr>
<td>Information Technology</td>
<td>106, 137</td>
</tr>
<tr>
<td>Interdisciplinary Studies</td>
<td>97, 105, 106, 114, 181</td>
</tr>
<tr>
<td>Journalism</td>
<td>86, 113, 121, 235</td>
</tr>
<tr>
<td>Kinesiology &amp; Exercise Science</td>
<td>68, 77, 78, 87, 96, 105, 146, 155, 164, 172, 181, 190, 199, 209, 218, 226, 235</td>
</tr>
<tr>
<td>Law &amp; Legal Studies</td>
<td>70, 79, 89, 98, 107, 115, 123, 181</td>
</tr>
<tr>
<td>Linguistics</td>
<td>48, 58, 146, 155, 172, 190, 199, 235</td>
</tr>
<tr>
<td>Management</td>
<td>46, 146, 181, 191, 200, 209, 218, 226, 235</td>
</tr>
<tr>
<td>Marketing</td>
<td>56, 66, 74, 75, 84, 93, 102, 111, 155, 164, 172, 181, 191, 200, 209</td>
</tr>
<tr>
<td>Microbiology &amp; Immunology</td>
<td>56, 66, 75, 84, 93, 102, 111, 147, 155, 164, 173, 181, 182, 191, 200, 209, 219, 227, 236</td>
</tr>
<tr>
<td>Music</td>
<td>38, 39, 43, 53, 62, 63, 72, 90, 99, 108, 125, 132, 133, 147, 155, 164, 173, 182, 191, 210, 236</td>
</tr>
<tr>
<td>Music Performance</td>
<td>38, 39, 52</td>
</tr>
<tr>
<td>Nursing</td>
<td>47, 56, 57, 66, 75, 84, 93, 147, 155, 156, 164, 173, 182, 191, 200, 210, 219, 227, 236</td>
</tr>
<tr>
<td>Nutrition</td>
<td>105, 108, 113, 147, 156, 164, 173, 182, 191, 201, 210, 227, 236</td>
</tr>
<tr>
<td>Philosophy &amp; Ethics</td>
<td>51, 58, 59, 60, 68, 70, 77, 87, 95, 104, 105, 113, 121, 129, 136, 147, 165, 173, 182, 201</td>
</tr>
<tr>
<td>Physical/Occupational Therapy/Speech Language Pathology</td>
<td>50, 59, 201, 210, 219, 227, 236</td>
</tr>
<tr>
<td>Physics</td>
<td>47, 57, 66, 75, 85, 93, 102, 103, 111, 119, 120, 147, 156, 165, 173, 182, 191, 192, 201, 210, 219, 227, 228, 236, 237</td>
</tr>
<tr>
<td>Physiology</td>
<td>59, 148, 156, 165, 182, 192, 201, 210, 219, 228, 237</td>
</tr>
<tr>
<td>Poetry &amp; Creative Writing</td>
<td>49, 58, 68, 77, 86, 228, 237</td>
</tr>
<tr>
<td>Political Science</td>
<td>51, 52, 60, 61, 70, 79, 89, 94, 97, 98, 106, 107, 115, 123, 126, 131, 138, 148, 156, 165, 173, 183, 196, 201, 219, 228, 237</td>
</tr>
<tr>
<td>Public Health</td>
<td>47, 48, 57, 63, 67, 75, 85, 94, 103, 111, 120, 148, 156, 165, 174, 183, 192, 201, 210, 219, 220, 228, 237</td>
</tr>
<tr>
<td>Recreation and Leisure Studies</td>
<td>136, 228</td>
</tr>
<tr>
<td>Sociology</td>
<td>51, 60, 70, 79, 80, 88, 97, 106, 114, 115, 122, 123, 130, 131, 137, 148, 157, 165, 174, 183, 192, 201, 202, 211, 220, 228, 237</td>
</tr>
<tr>
<td>Sport Management</td>
<td>121, 122, 129, 211</td>
</tr>
<tr>
<td>Theatre/Drama</td>
<td>39, 43, 53, 63</td>
</tr>
<tr>
<td>Theatre/Drama Performance</td>
<td>39, 108</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>40, 41, 42, 81</td>
</tr>
<tr>
<td>World Languages</td>
<td>129, 183, 202</td>
</tr>
</tbody>
</table>
SCULPTURE GARDEN
EMERITI GROVE
STUDENT PLAZA
DINING PAVILION
ELMA ROANE WAY
DUNAVANT PLAZA
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