2018 Works In Progress Symposium
October 29, 2018
University Center, 3rd Floor
Welcome to the 2018 Works in Progress Symposium

The Helen Hardin Honors College is proud to sponsor the 2018 Works in Progress Symposium. This annual event provides a means for undergraduate students throughout the University to share their research with the general University community, and recognizes the significant contribution to research by University of Memphis undergraduates.

Providing undergraduates with the opportunity to engage in scholarly research is important to our students’ educational experience and professional development. I applaud all the faculty mentors for providing an exceptional learning experience for their students. Very special thanks are due to the faculty evaluators, who kindly provide feedback to the student presenters to better prepare their research projects for submission to professional conferences.

To the student presenters, I want to offer congratulations for the quality research you have accomplished and for your participation in the Works in Progress Symposium.

Best wishes to all faculty, staff, and students who make this event possible.

Sincerely,

Melinda Jones, Ph.D.
Director

The Helen Hardin Honors College thanks the following faculty members for volunteering their time as evaluators for the 2018 Works in Progress Symposium:

Dr. Joel Bumgardner, Biomedical Engineering
Dr. Timothy Brewster, Chemistry
Dr. Su Chen, Mathematical Sciences
Dr. Melloni Cook, Psychology
Dr. Amanda Edgar, Communication & Film
Dr. David Goodman, Communication & Film
Ms. Tammy Jones, English
Dr. Mohamed Laradji, Physics
Dr. Kenny Latta, Anthropology
Dr. Deranda Lester, Psychology
Mr. Anthony Maranise, Interdisciplinary Studies
Ms. Becky McCabe, Psychology
Dr. Michael Monahan, Philosophy
Dr. Max Paquette, Health Studies
Dr. Philip Pavlik, Psychology
Dr. Douglas Powell, Health Studies
Dr. Robin Roach, Health Studies
Dr. Helen Sable, Psychology
Dr. Nicholas Simon, Psychology
Ms. Cynthia Stockton, Sociology
Dr. Sachiko Terui, Communication & Film
**RIVER ROOM (300)**

12:00 PM  Antoinette Jackson  
*Identity Presentation Across Social Media Platforms*  
Faculty Mentor: Dr. Joy Goldsmith, Communication

12:30 PM  Brittany Lewis  
*The Genderlect Theory: Its Application to the Real World*  
Faculty Mentor: Dr. Joy Goldsmith, Communication

1:00 PM  William Middleton  
*Representation of African Americans in Television*  
Faculty Mentor: Dr. Joy Goldsmith, Communication

1:30 PM  Charles D. Payne II  
*Preventing or Creating Inequality? Removal of Confederate Monuments and Statues*  
Faculty Mentor: Dr. Joy Goldsmith, Communication

3:00 PM  Quvilo Sherrod  
*Acute and Chronic Biomedical and Performance Effects of Training with iTrain Fundamentals Bar*  
Faculty Mentor: Dr. Max Paquette, Health Studies

3:30 PM  Alexis Nelson  
*Effects of Stride Length on Ankle and Knee Joint Powers and Moments in Simulated Obese Populations*  
Faculty Mentor: Dr. Douglas Powell, Health Studies

**BLUFF ROOM (304)**

12:00 PM  William Cain  
*Fabrication and Characterization of Electrospun Templates from Polyionxanone and its Co-Polymers*  
Faculty Mentor: Dr. Gary Bowlin, Biomedical Engineering

12:30 PM  Kasyap Cherukuri  
*Electrospun Branched-Clusters as Fundamental Units of Articular Cartilage*  
Faculty Mentor: Dr. Gary Bowlin, Biomedical Engineering

1:00 PM  Xin Ju  
*Determining the Difficulty of Math Problems from Surface Linguistic Features*  
Faculty Mentor: Dr. Alistair Windsor, Math

2:30 PM  Kamron Jafari  
*Partially and Fully Anchored Shear Walls Under Cyclic Loading*  
Faculty Mentor: Dr. Charles Camp, Civil Engineering

3:00 PM  Chandler Sears  
*Development of G Protein-Coupled Receptor Deorphanization Protocol: Application GPR37L1*  
Faculty Mentor: Dr. Daniel Baker and Dr. Abby Parrill, Chemistry

3:30 PM  Brianna Miller  
*Simulation of Vacancy Enhanced Diffusion Using KMC*  
Faculty Mentor: Dr. Xiao Shen, Physics

4:00 PM  Jacob Parks  
*Factors Influencing Coating Uniformity: Spin Speed Effect on Phosphor Coatings on Aerogel Substrates*  
Faculty Mentor: Dr. Firouzi Sabri, Physics
Upcoming Undergraduate Research Opportunities:

Posters at the Capital
Nashville, TN
February 27, 2019

Student Research Forum
University Center Ballroom
March 2019

Southern Regional Honors Conference
Peabody Hotel, Memphis TN
March 28-30, 2019

National Conference on Undergraduate Research
Kennesaw State University
April 10-13, 2019
SHELBY ROOM (342)

12:00 PM Roa Salah
The Effect of Environmental and Social Enrichment on Dopamine Transmission
Faculty Mentor: Dr. Deranda Lester, Psychology

12:30 PM Shelby Towers
Examining the Effects of Environmental Enrichment on Mesolimbic Dopamine Release
Faculty Mentor: Dr. Deranda Lester, Psychology

1:00 PM Abigail Barger
Parents and Their “Puzzles”
Faculty Mentor: Dr. Joy Goldsmith, Communication

1:30 PM Scott Melton
Big Impact for Small Business
Faculty Mentor: Dr. Joy Goldsmith, Communication

3:00 PM Kelse Matthews
Predictors of Unhealthy Weight Control Behaviors of Adolescents: A Systematic Review
Faculty Mentor: Dr. Xu Jiang, Psychology

3:30 PM Kaeli Johnson & Tyler Hanson
Social and Cognitive Aspects of Language
Faculty Mentor: Dr. Gina Caucci, Psychology

4:00 PM Sarah Altareb
Does Cocaine Reward Have a Genetic Component?
Faculty Mentor: Dr. Nicholas Simon

POPLAR ROOM (308)

12:00 PM Ian Story
African American Code Switching Experiences in the Workplace
Faculty Mentor: Dr. Joy Goldsmith, Communication

12:30 PM Roshannah Pollard
The Portrayal of Michael Brown in National News Posthumous
Faculty Mentor: Dr. Joy Goldsmith, Communication

1:00 PM Lucy Vick
A Burkean Analysis of: This is America
Faculty Mentor: Dr. Joy Goldsmith, Communication

1:30 PM Lauren Fischer
Development of a Gluten-Free and Vegan Chocolate Chip Banana Bread for Those with Medically Diagnosed Food Allergies and Those with Food Preferences
Faculty Mentor: Dr. Terra Smith, Health Studies

2:00 PM Ashton Terry
Systematic Review and Meta-Analysis of Glycemic Control and Stress in Youth with Type I Diabetes
Faculty Mentor: Dr. Kristoffer Berlin, Psychology

2:30 PM Hunter Franks
The Effects of Environment in Adolescence on Risky Decision-Making
Faculty Mentor: Dr. Nicholas Simon, Psychology

3:00 PM Nathan Galloway
A Student Documentary About the Meaning of Rivalry and Research into the Phenomenon
Faculty Mentor: Dr. Cody Havard, Hospitality

4:00 PM Haven Hemphill
The Dilemma of Ebonics and Education
Faculty Mentor: Dr. Joy Goldsmith, Communication
MEMPHIS A ROOM (340A)

12:00 PM  Haleigh Joyner
*Effect of Epigallocatechin-3-gallate and Caffeine on Risky Decision-Making*
Faculty Mentor: Dr. Nicholas Simon, Psychology

1:00 PM  Mary Katherine Reynolds
*Mental Health Outcomes in Women Exposed to Abusive Romantic Relationships: Does Number of Abusive Partners Matter?*
Faculty Mentor: Dr. J. Gayle Beck, Psychology

1:30 PM  Sonia Hopkins
*Associations Between Early Childhood Stress, Cognitive Functions, and Marijuana Use*
Faculty Mentor: Dr. James Murphy, Psychology

2:00 PM  Robyn Pennella
*Examining the Effects of Social Interaction and Nicotine Exposure on Mesolimbic Dopamine Functioning*
Faculty Mentor: Dr. Deranda Lester, Psychology

2:30 PM  Abigail Chaffin
*Examining the Effects of Chronic Cannabinoid Activation on Mesolimbic Dopamine Release*
Faculty Mentor: Dr. Deranda Lester, Psychology

3:00 PM  Megan McWain
*Effects of Chronic Cannabinoid Agonists on Mesolimbic Dopamine Release and Related Behavior*
Faculty Mentor: Dr. Deranda Lester, Psychology

3:30 PM  Bennett Brown
*Using Conditioned Place Preference to Examine Abuse Liability in Cannabinoid Agonist That May Be Anxiolytic*
Faculty Mentor: Dr. Helen Sable, Psychology

4:00 PM  Madison Mills
*Examining the Impact of Social Interaction on Mesolimbic Dopamine Transmission in Male and Female Mice*
Faculty Mentor: Dr. Deranda Lester, Psychology

MEMPHIS B ROOM (340B)

12:00 PM  Johnda Washington
*Alcohol and Related Risks in Limpopo, South Africa*
Faculty Mentor: Dr. Karen Ingersoll, Anthropology

12:30 PM  Jacob Haines
*Physical and Behavioral Adaptations of Pleistocene Hominids as a Response to Water Scarcity*
Faculty Mentor: Dr. Kathryn Hicks, Anthropology

1:00 PM  Christopher Vanbeukering
*In Search of Common Ground: Solving Appiah’s Paradox of Identity*
Faculty Mentor: Dr. Verena Erlenbusch-Anderson, Philosophy

NOTES: