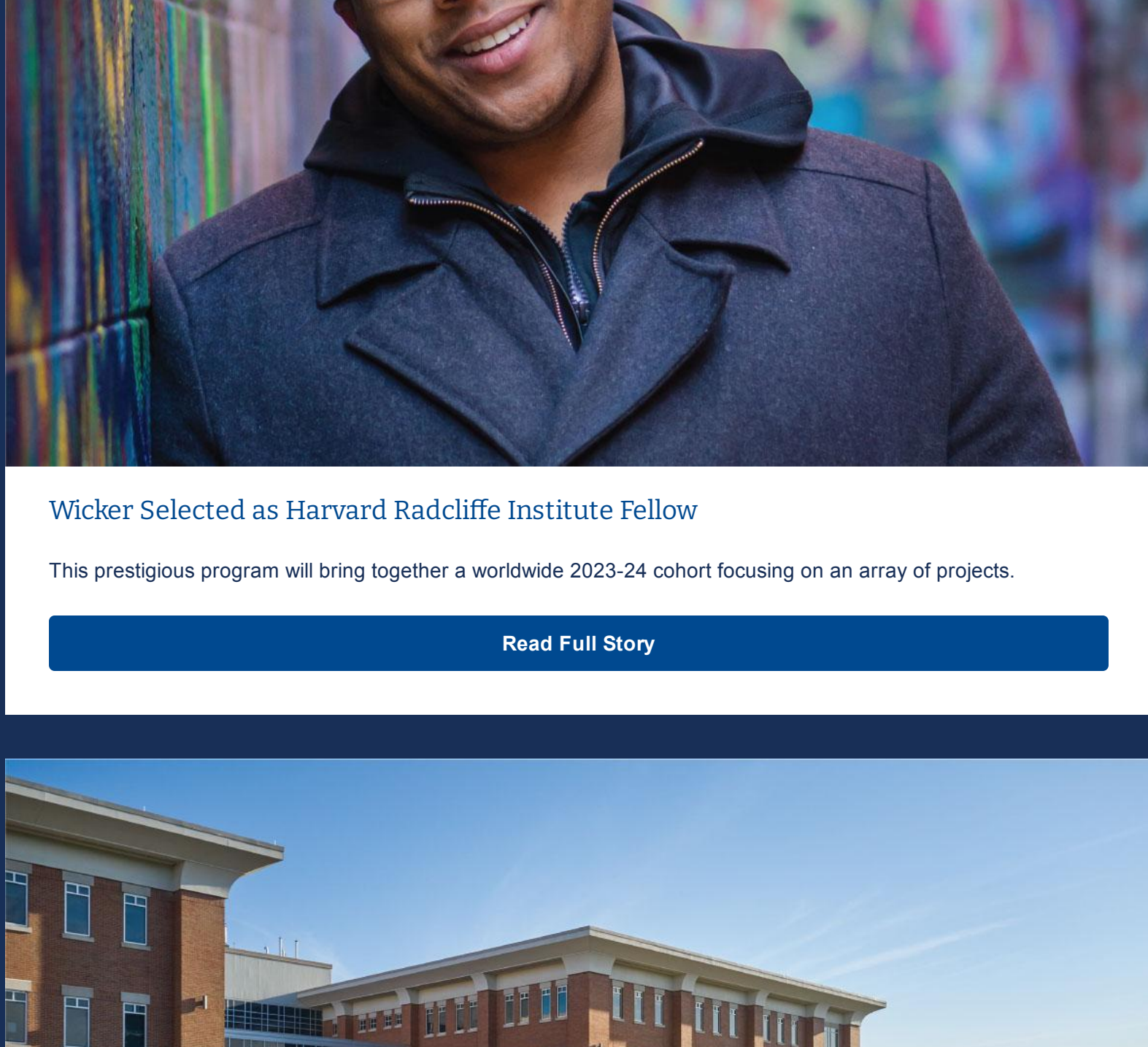




RESEARCH + INNOVATION

NEWSLETTER



Wicker Selected as Harvard Radcliffe Institute Fellow

This prestigious program will bring together a worldwide 2023-24 cohort focusing on an array of projects.

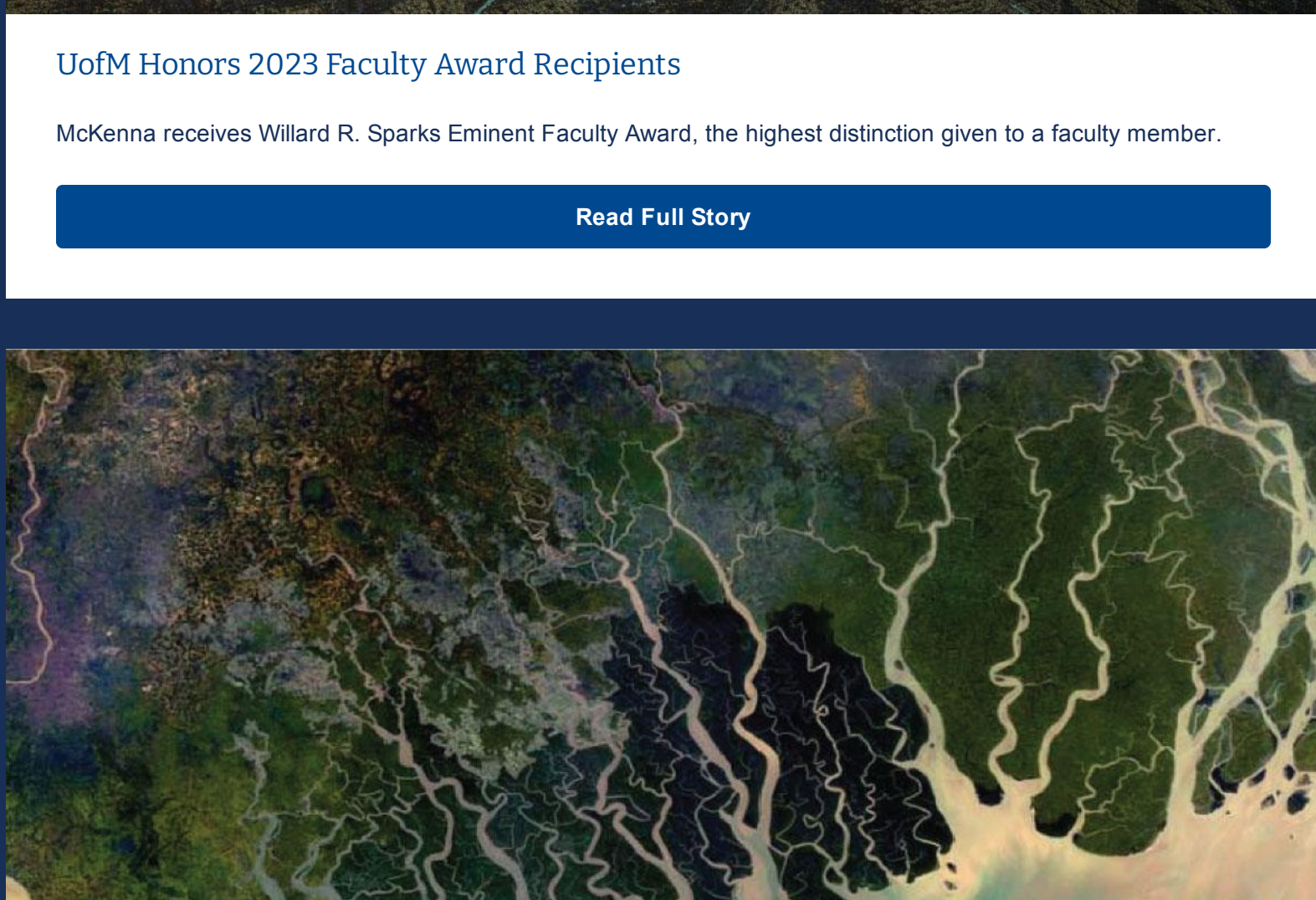
[Read Full Story](#)



SPH to Share \$10 Million Grant from EPA and RTI

UofM and seven other highly respected universities will partner to serve communities in EPA Region 4.

[Read Full Story](#)



UofM Honors 2023 Faculty Award Recipients

McKenna receives Willard R. Sparks Eminent Faculty Award, the highest distinction given to a faculty member.

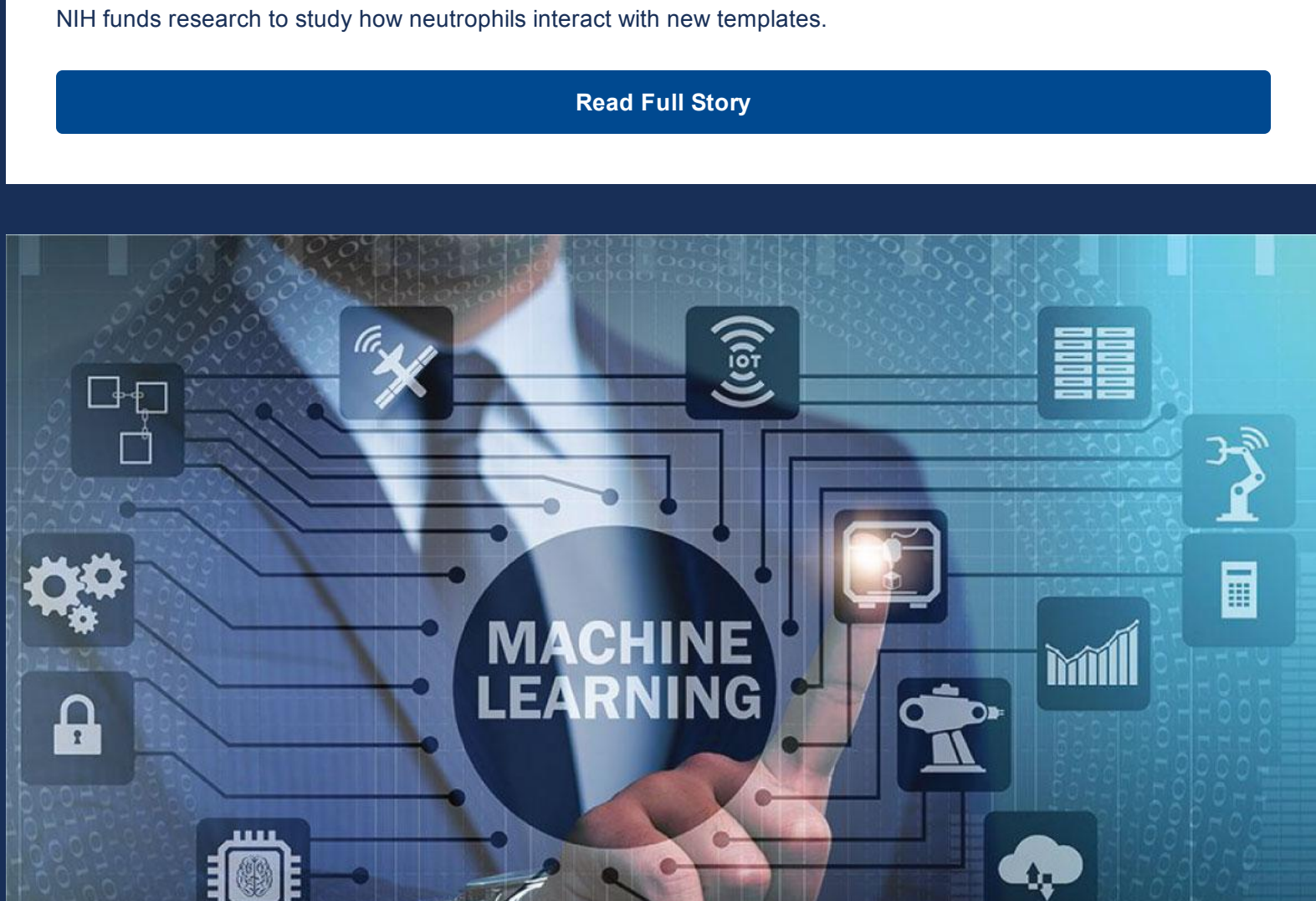
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CAESER Postdoc Conducts Research Funded by NSF

International research on climate change and sedimentary dynamics of the Ganges-Brahmaputra Delta.

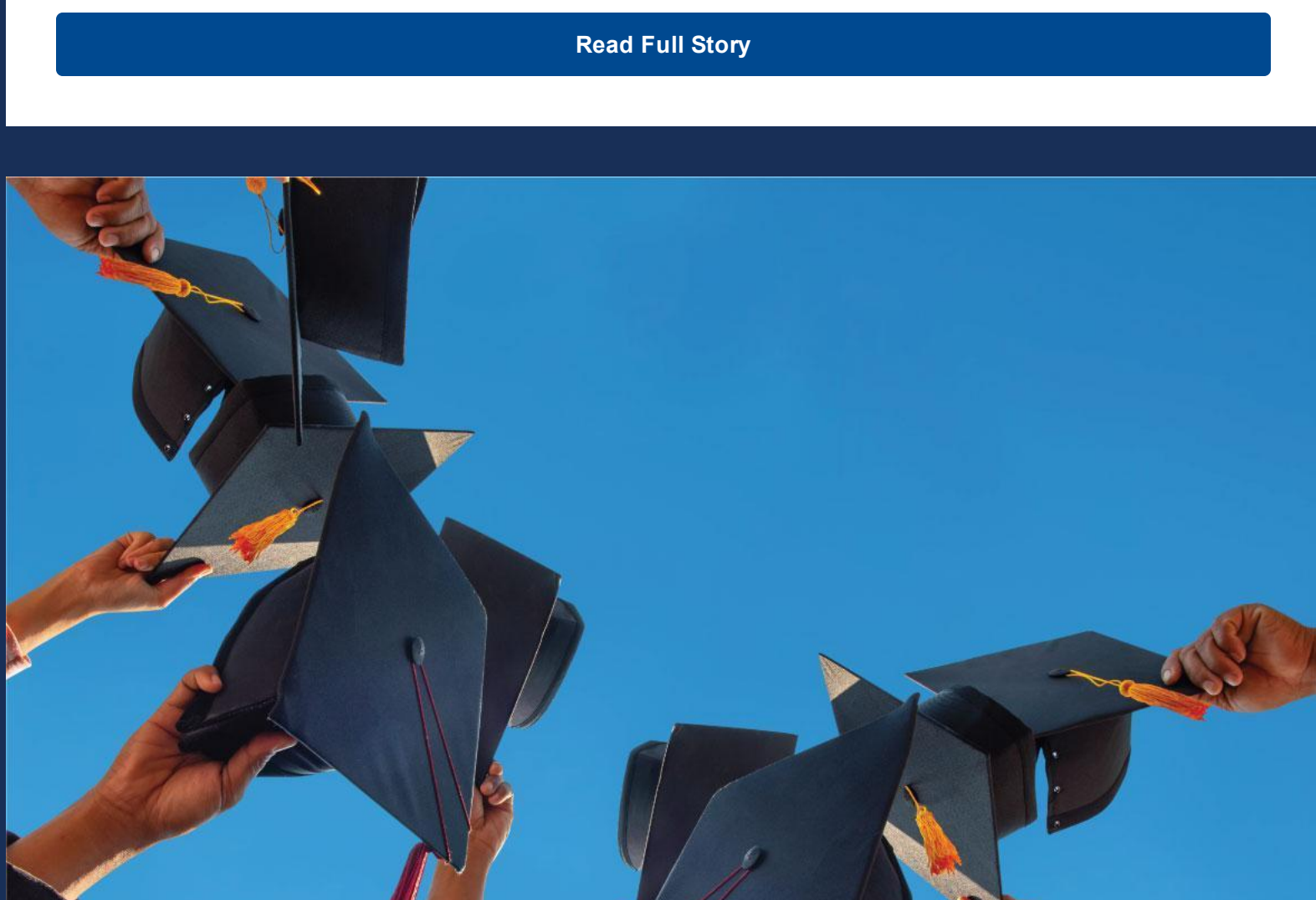
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White Blood Cells and Tissue Regeneration

NIH funds research to study how neutrophils interact with new templates.

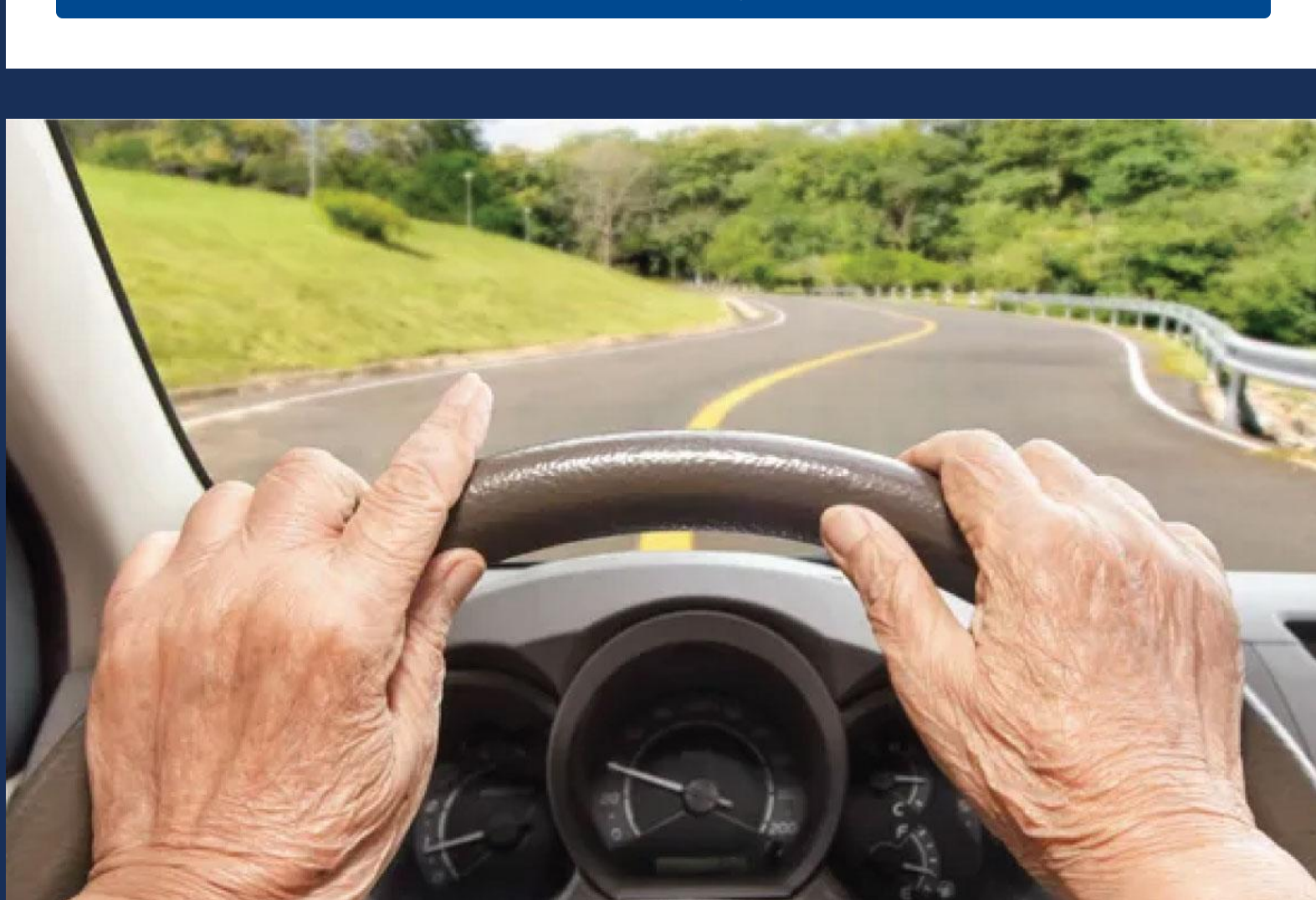
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NSF Funds Research for Improved Modeling

Project supports improvements for more robust computation and enhanced machine learning.

[Read Full Story](#)



TBR Funds Project Focused on Educational Equity

Project encourages increase in access to educational materials and improved outcomes.

[Read Full Story](#)



Kedia's Research Receives International Attention

Released data on substance use by senior adults involved in car accidents shows increased risks.

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Income Inequality Versus Perceived Inequality

Trump's research shows income inequality unrelated to perceived inequality and redistribution support.

[Read Full Story](#)



DOD, DOI, DOJ, ED, NASA, NIH, NSF and USDA

Recently published federal agencies' funding opportunities outlining upcoming grants.

[See Full List](#)



Calendar of Events
June 2023

Events for Research Development, OSP, UMRF Research Park and the FedEx Institute of Technology.

[See Full List](#)

Research Awards May 2023

Dr. Brian Waldron awarded \$1,625,000 from Memphis Light Gas and Water (MLGW) and \$176,784 from the West Tennessee River Basin Authority.

Dr. Abu Mohammed Naser Titu awarded \$433,349 from the National Institutes of Health (NIH) and \$3,000 from The Campbell Foundation.

Dr. Melanie Burgess awarded \$398,850 from the U.S. Department of Education.

Dr. Yufeng Zhang awarded \$391,858 from the National Science Foundation.

Dr. Daniel Foti awarded \$309,083 from the U.S. Army Research Office.

Dr. Laura Casey awarded \$202,800 from the Tennessee Department of Intellectual and Developmental Disabilities with the U.S. Department of Health and Human Services.

Dr. John Sabatini awarded \$200,000 from Trustees of Boston College.

Dr. Bernie Daigle awarded \$187,851 from Harvard University with the U.S. Army Research Office.

Dr. Duane McKenna awarded \$135,821 from the National Science Foundation.

Dr. Ana Doblas awarded \$106,706 from the National Science Foundation.

Dr. Sandra Richardson awarded \$99,059 from the Economic Club of Memphis.

Dr. Yu (Joyce) Jiang awarded \$45,951 from the University of Tennessee Health Science Center.

Dr. Courtnee Melton-Fant awarded \$43,417 from the William T. Grant Foundation.

Dr. Lan Wang awarded \$41,039 from Peraton Labs Inc. with the Defense Advanced Research Projects Agency.

Dr. Eunseo Choi awarded \$28,907 from the Korea Institute of Geoscience and Mineral Resources.

Dr. Shawn Brown awarded \$25,190 from Mississippi State University with the Mississippi Soybean Promotion Board.

Dr. Jeffrey Marchetta awarded \$20,000 from Tennessee Technological University with the U.S. Department of Energy.

Dr. Sabyasachee Mishra awarded \$8,898 from Connect Dynamics, Inc.

Dr. Michelle Brasfield awarded \$5,795 from the Collierville School District with the Tennessee Department of Education.

** Data reported the 18th of each month. Awards finalized after the 18th will be reported the following month.*

[Full project and award details available here.](#)

Upcoming Events

INTEGRIT-E
Regional Partners Convening

In January, a coalition of partners from across 43 counties in the Delta region submitted a grant proposal to the National Science Foundation's Regional Innovation Challenge. Through the proposal development process, the University established strong partnerships across the region that could lead to new collaborations and opportunities.

In order to keep the momentum of this effort going, the University of Memphis is convening stakeholders and innovators from across the region for a two-day event designed to further strengthen these connections. Goals for this conference include building research and industry collaborations, forming communities and teams for future grant application and strengthening connections between regional institutions. Attendees will include business leaders, community organizers, nonprofits, organizations and researchers committed to building innovation capacity in the Delta region.

[Conference Agenda >>](#)

Keynote Speaker:
[James H. Johnson, Jr.](#)
William R. Kenan Jr. Distinguished Professor of Strategy and Entrepreneurship and Director, Urban Investment Strategies Center
University of North Carolina-Chapel Hill

For more information, contact Research Development at researchdev@memphis.edu.

June 2 | 11:30 AM-8 PM
June 3 | 7:30 AM-12:30 PM
FedEx Institute of Technology | The Zone, Lobby, 225, 227

Girls Experiencing Engineering
FedEx Institute of Technology

Girls Experiencing Engineering is a summer program that attracts young women to science, technology, engineering, and math (STEM) fields by increasing awareness of career opportunities, addressing misperceptions and stereotypes, and providing hands-on learning experiences that build confidence and offer leadership opportunities. GEE is hosted by the University of Memphis Herff College of Engineering, sponsored by the FedEx Institute of Technology and has been funded since inception by the Women's Foundation for a Greater Memphis.

For more information or to register, contact Lavitta Means at lmeans@memphis.edu.

June 5-9 | 8 AM-5 PM (High School 9th-12th)
June 12-16 | 8 AM-NOON (Middle School 6th-8th)
June 12-16 | 1-5 PM (Elementary School 3rd-5th)
FedEx Institute of Technology

[MORE INFORMATION](#)

FedEx Institute of Technology
Microsoft 365 Bootcamp

This hands-on, virtual bootcamp is driven by practical exercises across the most used Microsoft 365 tools: PowerPoint, Excel, OneNote, Teams, Forms.

Employees at all levels, including individual contributors and management, will benefit from this hands-on bootcamp. This fast-paced course is intended to increase proficiency and not to teach basic computer literacy for those who rarely/never use PowerPoint, Teams or Excel.

For more information or to register, contact Rami Lotay at rlotay@memphis.edu.

June 7-8 | 8:30 AM-12:30 PM
ZOOM

[Register](#)

University of Memphis
2023 NSF REU COHORT PROGRAM KICKOFF

Interested faculty from across campus are invited to participate in the inaugural NSF Research Experience for Undergraduates (REU) Cohort Program sponsored by the Division of Research & Innovation. Similar to the highly successful NSF CAREER Cohort Program that is offered every year, NSF REU is designed to help faculty improve their chances of winning an REU and includes training, workshops, professional editing and review services. These awards support the participation of undergraduate students in faculty research in areas funded by the NSF.

Cohort Leader
Dr. Brian Evans
Manager of Strategic Initiatives
Division of Research & Innovation

To register, or if you have questions, email Dr. Brian Evans at bevans@memphis.edu.

Program Kickoff: June 22 | 2 PM

University of Memphis
Spring 2023 Research Collaboration Lightning Talks

On May 11, the Division of Research & Innovation hosted the spring 2023 Research Collaboration Lightning Talks. The talks provided faculty from across campus with a chance to highlight their work and share information about collaboration opportunities.

[View the talks >>](#)

Presenters:

- Dr. Brandt Pence, College of Health Sciences, Key terms: aging; immunology; metabolism - Start time 02:53
- Dr. J. Elliott Casal, Department of English, Key terms: corpus linguistics; research literacy; second language writing - Start Time 05:50
- Dr. Xiaohua Huang, Department of Chemistry, Key terms: cancer; liquid biopsy; Nanotechnology - Start time 09:20
- Dr. Sajjan G. Shiva, Department of Computer Science, Key terms: explainable machine learning systems; Trustworthy AI; edge computing security - Start Time 14:40
- Dr. Yonghong Jade Xu, Counseling Education Psychology Research, Key terms: gender and racial inequalities in STEM; quantitative research design and data analysis; survey design and validation; program evaluation - Start Time 22:05
- Dr. Yongmei Wang, Department of Chemistry, Key terms: computational nanomedicine; Omics data mining; biomarker discovery - Start Time 26:24
- Dr. Anyou (Andrew) Wang, Feinstone Center for Genomic Research - Start Time 28:38
- Dr. Mahir Cetiz, School of Music, Key terms: sound; movement; meaning - Start Time 35:05
- Dr. Tomoko Fujiwara, Department of Chemistry, Key terms: polymers; biomaterials; drug delivery system - Start Time 41:45
- Dr. Ruoxu Wang, Department of Journalism and Strategic Media, Key terms: media effects, virtual reality, game engagement - Start Time 45:22
- Dr. Michael Brown, Department of Chemistry - Start Time 48:35
- Dr. Christos Kyriakopoulos, Center for Earthquake Research and Information - Start Time 55:02
- Dr. Christopher Allan Black, Department of English - Start Time 01:01:06
- Dr. Diana Ruggiero, World Languages and Literatures - Start Time 01:05:30
- Dr. Christian Mueller, Educational Psychology and Research - Start Time 01:07:39

Questions? Email Research Development at researchdev@memphis.edu.

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