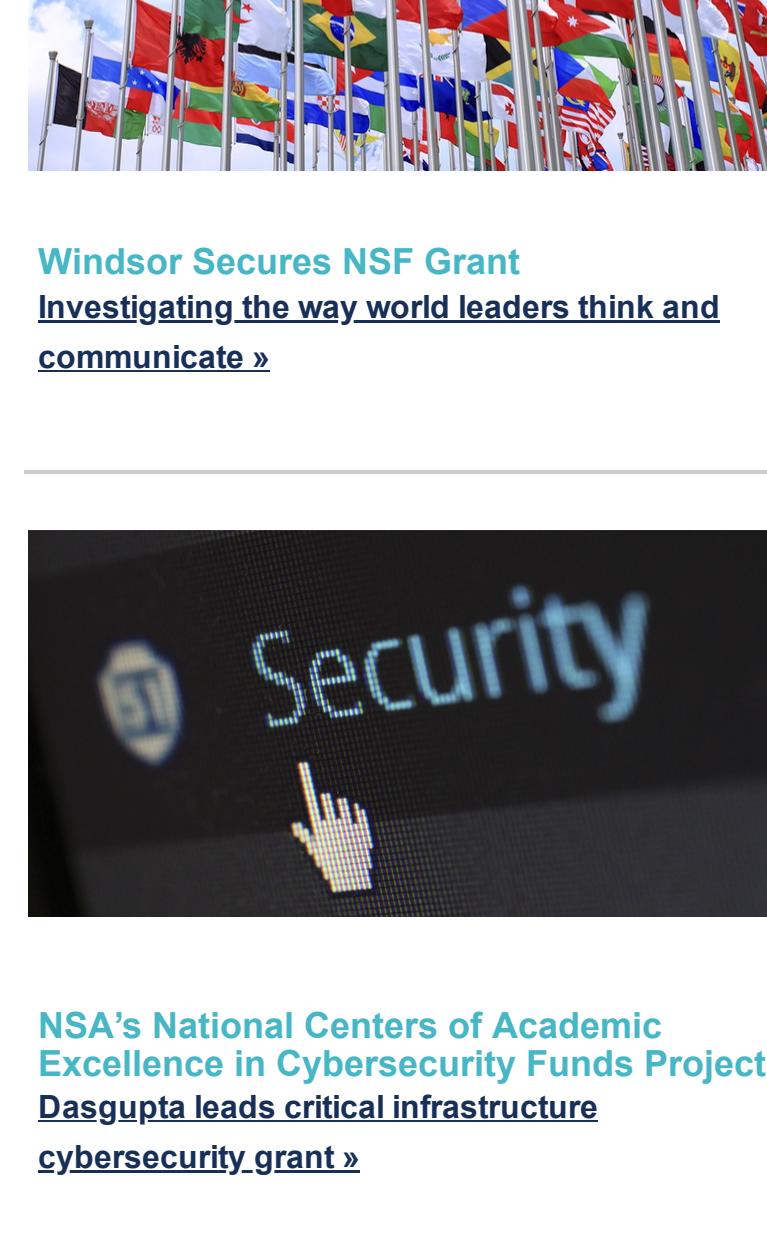


INNOVATION

NEWSLETTER

RESEARCH, TECHNOLOGY, ACHIEVEMENTS.

September 2021 • COVID-19 Updates



Research Awards

August 2021

Dr. Leah Windsor, research assistant professor of the Institute for Intelligent Systems, was awarded \$450,000 from the National Science Foundation for her project "Language Across Cultures: The Communication Styles of World Leaders."

Dr. Chrysanthi Preza, Kanuri Professor and chair of the Department of Electrical and Computer Engineering, was awarded \$299,998 from the National Science Foundation for her project "UofM-VIP Program - Improving Undergraduate STEM Education and Identity."

Dr. Ali Fatemi, Ring Companies Endowed Professor and chair of the Department of Mechanical Engineering and director of the Fatigue and Fracture Research Laboratory, was awarded \$157,200 from the Hyundai Motor Company for his project "Research on welding virtual predictive technology to improve the robustness and reliability of steel-based PBV."

Dr. Ana Doblas, assistant professor of the Department of Electrical and Computer Engineering, was awarded \$115,062 from the National Science Foundation for her project "CAREER: Three-dimensional super-resolution light microscopy of thick, unprocessed biological samples."

Dr. Charles Pierce, interim dean and professor of Management, was awarded \$74,771 from the Economic Club of Memphis for his project "ECON Club."

Dr. James Meindl, associate professor of Instruction and Curriculum Leadership, was awarded \$70,000 from The Urban Child Institute for his project "University of Memphis Behavior, Research, & Language Alliance (UMBRaLa)."

Dr. Elena Detavega, professor of the Department of Social Work, was awarded \$60,000 from Church Health Center of Memphis for her project "Improving Behavioral Healthcare for the Latinx Community in Memphis."

Dr. Eddie Jacobs, professor of the Department of Electrical and Computer Engineering, was awarded \$54,622 from the U.S. Army Corps of Engineers Research and Development Center for his project "FY21 IPA."

Dr. Richard Bloomer, dean and professor of the College of Health Sciences, was awarded \$53,633 from DSE Healthcare Solutions LLC for his project "Effects of CharcoalCaps® (activated charcoal) vs. Placebo on Intestinal Gas Production."

Dr. Eunseo Choi, associate professor of the Center for Earthquake Research and Information, was awarded \$52,128 from the Korea Institute of Geoscience and Mineral Resources (KIGAM) for his project "Viscoelastic numerical modeling of crustal deformation in the Korean Peninsula after the 2011 Tohoku earthquake."

Dr. Randolph Dupont, professor of the Department of Criminology and Criminal Justice, was awarded \$45,000 from the City of Memphis Police Department (MPD) for his project "Memphis Police CIS."

Daniel Gabriel, psychology student (Dr. Nicholas Simon, mentor), was awarded \$37,112 from the National Institutes of Health for his project "The Role of Orbitofrontal Cortex in Risky Decision-Making."

Dr. Kevin Berisso, assistant professor of Engineering Technology and AutoID Lab Director, was awarded \$36,000 from GS1 AISBL for his project "GS1 Standards Development and Testing Lab."

Dr. Jeffrey Marchetta, professor of the Department of Mechanical Engineering, was awarded \$30,000 from the U.S. Department of Energy for his project "Tennessee 3-Star Industrial Assessment Center."

Dr. Daniel Larsen, professor of Earth Sciences, was awarded \$24,748 from the U.S. Geological Survey (USGS) for his project "Geologic mapping of the Resting Springs SW and Tecopa NW 7.5' quadrangles, California: Investigation of a significant Quaternary paleoclimate record and geologic controls on modern groundwater resources."

Dr. Susan Elswick, associate professor of the Department of Social Work, was awarded \$17,400 from United Way of Greater Memphis for her project "ACES Building Stronger Brains Tennessee."

Dr. Justin Lawhead, Dean of Students, was awarded \$10,541.03 from the U.S. Department of Agriculture (USDA) for his project "SNAP Outreach."

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

Research + Innovation News

Quick Guide to Research & Sponsored Programs

Research Compliance

FedEx Institute of Technology News

Research Clusters

Emerging Tech Training

DevMemphis
Sept. 7 | 6:30-7 PM | FIT 225

Technology Serving Humanity Series: Dr. Kathleen Thelen (Virtual)

Machine Learning/Data Sciences/R
Sept. 7 | 7-8 PM | Virtual

NIH Workshop #2: Major Narrative
Sept. 9 | 2-3:30 PM | Virtual

MemPASS / Power BI
Sept. 9 | 5:30-6:30 PM | FIT 225

Intro to Grants for New Faculty
Sept. 10 | 10-11:30 AM | Virtual

Meet the Division of Research + Innovation
Sept. 10 | 1:30-3 PM | FIT Lobby

FedEx Institute of Technology Emerging Tech Training: SAFe Program Consultant
Sept. 13-17 | 8 AM-5 PM | Virtual

Technology Serving Humanity Series: Dr. Moya Bailey
Sept. 14 | 5 PM | ZOOM

Memphis Web Workers
Sept. 14 | 6-8 PM | Virtual

FedEx Institute of Technology Emerging Tech Training: Microsoft Power BI
Sept. 15-17 | 8 AM-2 PM | Virtual

FedEx Institute of Technology What's Next Series: AI & IoT Patent Law-John Hocker
Sept. 16 | 11 AM | Virtual

Flipped Classroom Series: Finding Funding and RD Overview
Sept. 16 | 2:30 PM | Virtual

Memphis M365
Sept. 16 | 3-5 PM | Hybrid

NIH Workshop #3: Ancillary and Review
Sept. 17 | 10-11:30 AM | Virtual

Memphis Game Developers Workshop
Sept. 18 | 6-8 PM | Virtual

FedEx Institute of Technology Emerging Tech Training: Enterprise Business Agility
Sept. 20-24 | 8:30 AM-1:20 PM | Virtual

Memphis Python
Sept. 20 | 6:30-8:30 PM

NIH Workshop #4: Human and Animal Studies
Sept. 23 | 3-4:30 PM | Virtual

Business Agility Memphis
Sept. 23 | 6:30 PM | Virtual

Flipped Classroom Series: Causal Our Electronic Research Administration Tool
Sept. 24 | 10-11 AM | Virtual

UX/UI Bytes
Sept. 24 | 11:30 AM-12:30 PM | Virtual

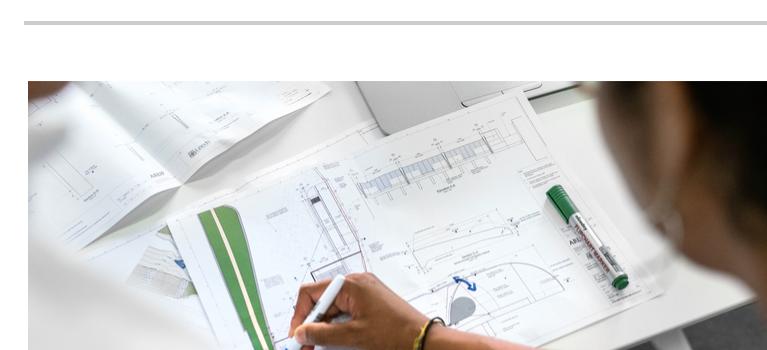
Academic Analytics Training
Sept. 24 | 2-3 PM | Virtual

Memphis Xamarin
Sept. 28 | 6-8 PM | Virtual

Memphis PHP
Sept. 28 | 6:30-8 PM | Virtual

Coordinating Subrecipients
Sept. 30 | 3:40 PM | Virtual

Research for the newsletter? Contact us.



Faculty Efforts Yield a Record \$50M in Research Awards

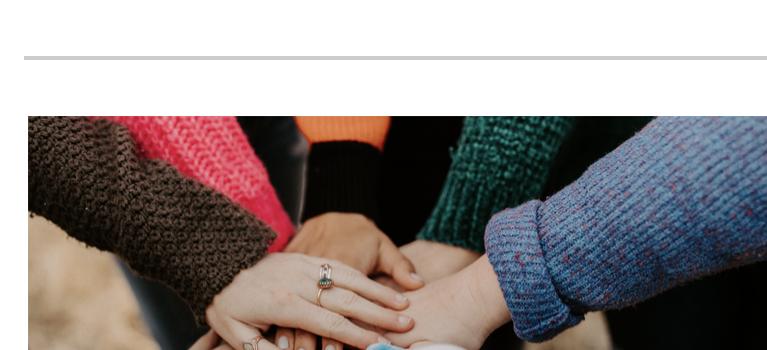
[Research Update »](#)

[2021 Research Report »](#)



Office of the Provost and the Division of Research & Innovation Announce UoM Research Professorships

[Awards 20 across the University »](#)



Windsor Secures NSF Grant

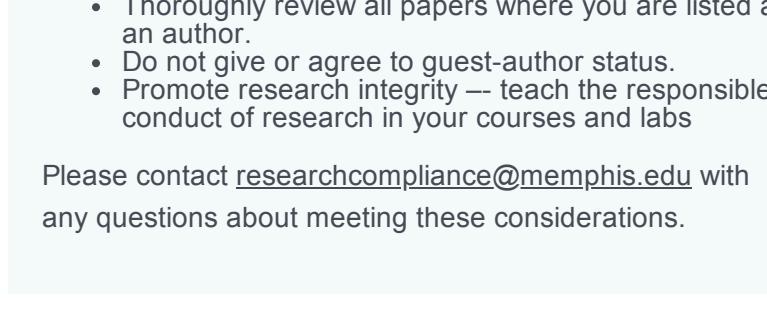
[Investigating the way world leaders think and communicate »](#)



NSA's National Centers of Academic Excellence in Cybersecurity Funds Project

[Dasgupta leads critical infrastructure](#)

[cybersecurity grant »](#)



Benjamin L. Hooks Institute announce Social Change Grants

[Recipients are UoM faculty Lee and Sabel »](#)



Preza Receives National Science Foundation Grant

[Understanding the role of undergraduate research and mentoring in the self-efficacy, identity and success of engineering undergraduate students »](#)



NOV 12 | 4:30 PM (CST)

["Egalitarian Machine Learning"](#)

[with Clinton Castro](#)

MAR 25 | 4:30 PM (CST)

["Surveillance and the Tyrant Test: How to Respond to the Threat of Big Data Policing"](#)

[with Andrew Ferguson](#)

APR 8 | 4:30 PM (CST)

["Designing Artificial Intelligence for Racial Justice"](#)

[with Craig Watkins](#)



Rockinson-Szapkiw Selected as Fulbright Specialist

[Tenure of service to run through 2025 »](#)



Puckett Receives Funding to Study Brown and Black Bears

[Will inform future conservation and management efforts »](#)



Research Study Participation Opportunities

[Contact area of interest »](#)

- College of Health Sciences »
- Department of Psychology »
- Speech Perception Assessment Laboratory »
- Hearing Aid Research Lab »
- Center for Information Assurance »

Please contact [researchcompliance@memphis.edu](#) with any questions about meeting these considerations.

Compliance Corner

Research Ethics Considerations

The following concepts can be used by researchers to avoid being the subject of an allegation of research misconduct:

- Discuss authorship with all research collaborators at the start of a project so everyone involved understands who will be listed as an author, and the expectation for the use of the data by those involved in the research.
- Monitor the research in which you are involved — inform your staff, students and collaborators, that you will verify data collection, entry and reporting. Ask questions about questionable results.
- Set reasonable expectations about the time it will take to complete the research data.
- Maintain thorough and complete research records.
- Respect the research process.
- Do not deviate from the research protocol without obtaining the approval for modification.
- Communicate actual or perceived problems with the research. Many research misconduct allegations result from communication difficulties between researchers.
- Carefully and accurately report research; be specific about methods and procedures used and the data obtained.
- Thoroughly review all papers where you are listed as an author.
- Do not give or agree to guest-author status.
- Promote research integrity — teach the responsible conduct of research in your courses and labs.

Please contact [researchcompliance@memphis.edu](#) with any questions about meeting these considerations.

THE 2022 COMMUNITIES OF RESEARCH SCHOLARS (CoRS) CALL FOR PROPOSALS

[The 2022 Communities of Research Scholars \(CoRS\) Call for Proposals](#)

[2022 Deadline: September 17 »](#)

THE TECHNOLOGY SERVING HUMANITY SPEAKER SERIES

2021-22

TECHNOLOGY SERVING HUMANITY SPEAKER SERIES

2021-22

FEDEX INSTITUTE OF TECHNOLOGY'S TECHNOLOGY SERVING HUMANITY Speaker Series

[Schedule announced »](#)

UoM's Collaborative Startup, PopCheck Technologies, Secures LaunchTN Grant

[Wins additional awards, driving new company forward »](#)

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