



A Tennessee Flagship Carnegie R1 Research Institution

# RESEARCH + INNOVATION

## NEWSLETTER



Developmental Therapy to Behavioral Support

UofM College of Education receives \$9.2 million for childhood early intervention services.

[Read Full Story](#)



## UofM School of Public Health Amplifies Reach

Launching the nation's first Public Health Diplomacy Lab, joining a global human rights alliance.

[Read Full Story](#)



## Inaugural Team Science Research Grant Awarded

Explores the Voynich Manuscript and examines interdisciplinary team dynamics on a challenging project.

[Read Full Story](#)



## Data to Learn From

- Text?
  - + Lots available; broad coverage
  - No connection with sensory input
- Experience of physical or virtual robot(s)?
  - + Multimodal; get to actively manipulate worlds
  - Physical: hard to get broad experience
  - Virtual: may not generalize to physical world
- Multimodal data on the Web
  - + Broad coverage; linguistic and sensory
  - Disjointed; sometimes not factual; passive

## AI Across Tennessee: 2024 Symposium

UofM partners with institutions across Tennessee to support AI research infrastructure.

[Read Full Story](#)



## ACRE Issuing an RFP: Deadline August 30

The center is soliciting applications relevant to agriculture and conservation science and education.

[Read Full Story](#)



## Running Sessions in Trained Distance Runners

Footwear's impact on exertion, fatigue, soreness and muscle inflammation after intense run.

[Read Full Story](#)



## DOE, NIH and NSF Funding Opportunities

Recently published federal agencies' funding opportunities outlining upcoming grants.

[See Full List](#)



## Calendar of Events August 2024

Research Development, Research Enterprises, UMRF Research Park and FedEx Institute of Technology.

[See Full List](#)

## Research Awards July 2024

**Dr. Melissa Marshall** awarded \$1,862,546 from the Tennessee Department of Transportation.

**Dr. Ashish Joshi** awarded \$1,043,560 from the Shelby County Health Department.

**Dr. Mihalis Golias** awarded \$700,000 from the American Transportation Research Institute.

**Dr. William Hunter** awarded \$700,000 from Vanderbilt University.

**Dr. Susan Neely Barnes** awarded \$479,856 from Health Resources and Services Administration.

**Dr. Gary Stinchcomb** awarded \$431,158 from the National Science Foundation.

**Dr. Meghan McDevitt-Murphy** awarded \$430,522 from the Health Resources and Services Administration.



**Dr. Kathryn Ramsey Mason** awarded \$300,000 from the University of Memphis Research Foundation.

**Dr. Claudio Meier** awarded \$300,000 from the Tennessee Department of Environment & Conservation.

**Dr. Mohammadreza Davoodi** awarded \$250,037 from the National Science Foundation.

**Dr. Duane McKenna** awarded \$188,606 from the National Science Foundation.

**Dr. Xiangen Hu** awarded \$170,003 from the American Institutes for Research.

**Dr. Laura Casey**, awarded \$154,660 from the Tennessee Department of Mental Health and Substance Abuse Services.

**Dr. Susan Elswick** awarded \$150,000 from the University of Memphis Research Foundation.

**Dr. Jennifer Mandel** awarded \$149,999 from the Delta Regional Authority.

**Dr. Jessica Jennings** awarded \$115,509 from the National Science Foundation.

**Dr. Loretta Rudd** awarded \$100,000 from the Urban Child Institute.

**Dr. Thomas Watson** awarded \$91,375 from the National Science Foundation.

**Dr. Lan Wang** awarded \$88,000 from Peraton Labs Inc.

**Dr. Keith Humphrey** awarded \$81,000 from State of Tennessee, Office of Criminal Justice Programs.

**Dr. Thomas Goebel** awarded \$80,528 from National Science Foundation.

**Dr. Rory Pfund** awarded \$69,000 and \$5,000 from the International Center for Responsible Gaming.

**Dr. Phillip Kohlmeier** awarded \$53,000 from the National Science Foundation.

**Dr. Shawn Brown** awarded \$51,000 from the USDA Forest Service.

**Dr. XI Huang** awarded \$50,000 from the National Science Foundation.

**Dr. Al-Nasser, Thouraya** awarded \$50,000 from the Urban Child Institute.

**Dr. Isaiah Surbrook** awarded \$44,857 from the Tennessee Board of Regents.

**Dr. Jeffrey Marchetta** awarded \$41,124 from Vanderbilt University.

**Sandra Guntharp** awarded \$36,000 from the University of Tennessee Health Science Center.

**Dr. Jessica Jennings** awarded \$35,000 from the The Comhar Group.

**Dr. James Murphy** awarded \$34,794 from the National Institutes of Health.

**Dr. Thomas Goebel** awarded \$21,042 from National Science Foundation.

**Dr. Wesley James** awarded \$20,822 from the Delta Health Alliance.

**Dr. John Jefferies** awarded \$17,676 from Wake Forest University.

**Dr. Brandon** awarded \$12,238 from National Science Foundation.

**Dr. Kristoffer Berlin** awarded \$7,375 from Society of Pediatric Psychology.

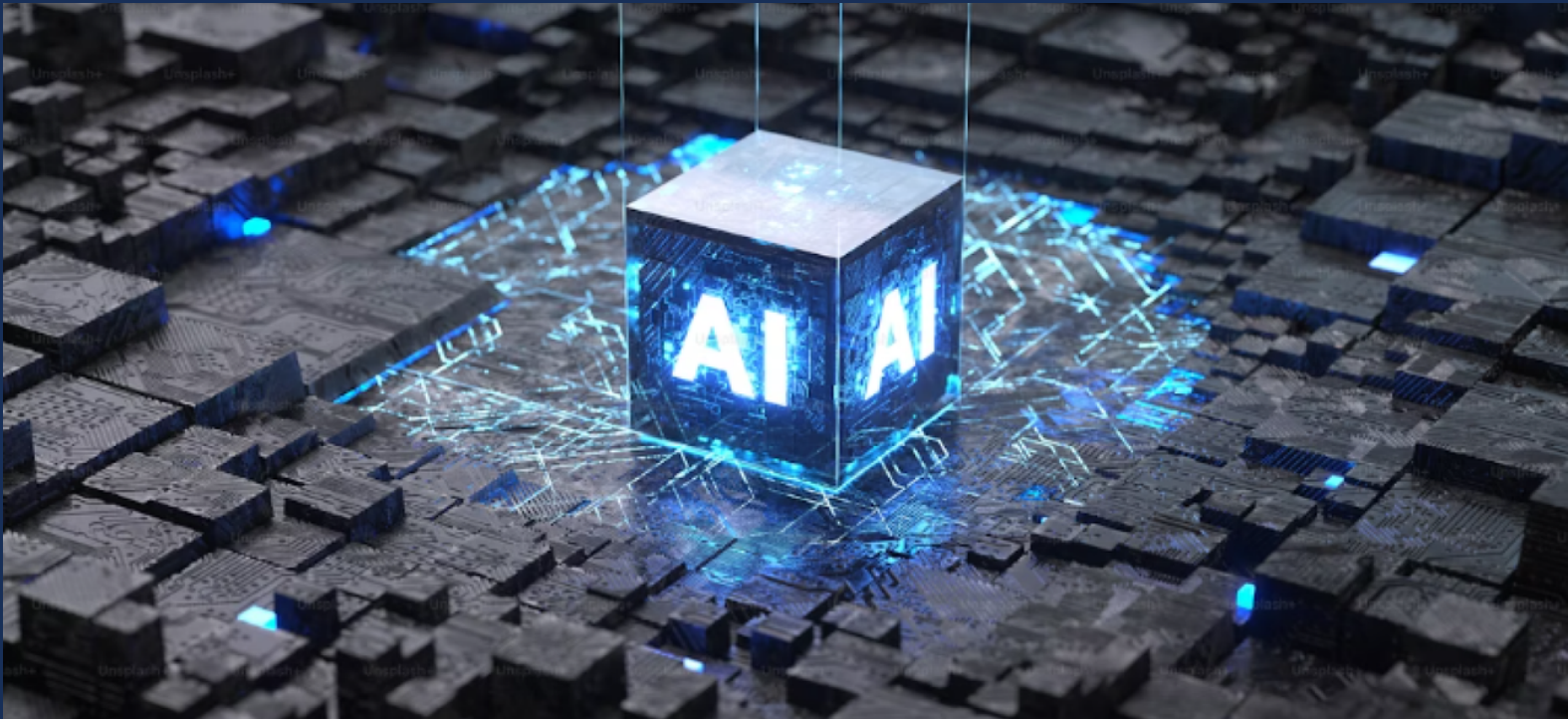
**Dr. Jessica Jennings** awarded \$7,000 from the National Science Foundation.

**Dr. Cynthia Muzzi** awarded \$5,193 from Tennessee Higher Education Commission.

*\* 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 & Announcements



## 901 AI Meetup "AI Governance and You"

In this discussion, we illuminate critical frameworks underpinning AI governance, focusing on the intersections of transparency, accountability and societal impact. We'll explore how diverse stakeholders—from government to corporations—are grappling with the challenges of regulating AI in an evolving technological environment. By examining case studies and real-world applications, we will dive into how governance structures currently influence AI's trajectory across various industries, highlighting successes and areas of concern.

**Objective:** This presentation on AI Governance will:

- Dive into the roles of interdisciplinary collaboration, underscoring the need for continuous dialogue between technologists, policymakers and the public.
- Discuss the importance of creating governance models that mitigate risks and foster innovation and public trust.
- Discuss emerging challenges (i.e., governance of AI in autonomous systems and regulating AI-generated content, emphasizing the global effort to establish harmonized standards).
- Equip the audience with a deeper, more critical understanding of AI governance and inspire you to shape this pivotal field's future actively.

**Speaker:** Dr. Matt Meador, Principal Consultant at MetHer by Design

Wednesday, Aug. 21  
FedEx Institute of Technology | Fishbowl (203/205)  
8 AM-4:30 PM

REGISTER



# AI CYBERSECURITY CONFERENCE

## AI Cybersecurity Conference

"How do you use AI?"

The AI Cybersecurity 2024 Conference is an opportunity to bring together cybersecurity practitioners to promote collaboration and highlight effective and innovative approaches where AI is used to augment and enhance cybersecurity organizations and teams.

This year's theme, "How do you use AI?" highlights our efforts to bring practitioners together and learn from each other on how to utilize AI safely and responsibly. The event will take place on Aug. 22 at the FedEx Institute of Technology.

[Full Schedule >>](#)

Thursday, Aug. 22 | FedEx Institute of Technology  
The Zone, MPT, Lobby and Fishbowl  
8 AM-4:30 PM

REGISTER



## Enhance Your Research with NSF-NIST Supplemental Funding

The National Science Foundation (NSF) and the National Institute for Standards and Technology (NIST) have issued a Dear Colleague Letter for NSF-NIST Interaction in Basic and Applied Scientific Research to call attention to supplemental funding opportunities for researchers supported by NSF to collaborate with researchers in the NIST Laboratories and User Facilities.

PIs with current active NSF awards are eligible to submit NSF supplemental funding requests for travel expenses and per diem associated with work onsite at NIST to collaborate on research with NIST staff and access specialized research instrumentation. The participating NIST Laboratories and User Facilities are:

- Communications Technology Laboratory (CTL)
- Engineering Laboratory (EL)
- Information Technology Laboratory (ITL)
- Materials Measurement Laboratory (MML)
- Physical Measurement Laboratory (PML)
- Center for Neuron Research (NCNR)
- Center for Nanoscale Science and Technology (CNST)

To learn more about this supplemental funding opportunity and how to prepare and submit your request, reference the [NSF Dear Colleague Letter >>](#)

FOR MORE INFORMATION

# PATENTS2PRODUCTS

DEEP SCIENCE ENTREPRENEUR POST-DOC FELLOWSHIPS

## Patents2Products Deep Science Entrepreneur Post-Doc Fellowships Now Hiring for the Third Cohort

The University of Memphis [FedEx Institute of Technology](#) and [Epicenter Memphis](#) are gearing up to launch the third cohort of the [Patents2Products Post-Doc program](#) this fall.

This groundbreaking initiative seeks to hire post-doc fellows to transform patented intellectual property into thriving commercial startups. This program establishes funded positions for research entrepreneurs within the University, and P2P fellows gain access to research facilities, licensing rights and office space located either in the University of Memphis Research Park or Epicenter Memphis.

The next cohort will begin Sept. 2024. For more details on this exciting venture, contact [p2p@memphis.edu](mailto:p2p@memphis.edu) or submit your application today.

APPLY TODAY

## Quick Links

[Research & Innovation News](#)

[Research Compliance](#) | [Emerging Tech Training](#)

[FedEx Institute of Technology](#)

Subscribe Now



[Previous Newsletters](#)

[Manage](#) your preferences | [Opt Out](#) using TrueRemove™  
Got this as a forward? [Sign up](#) to receive our future emails.  
View this email [online](#).

365 Innovation Drive, Suite 303 | Memphis, TN 38152 US

This email was sent to .  
*To continue receiving our emails, add us to your address book.*

emma®

[Subscribe](#) to our email list.