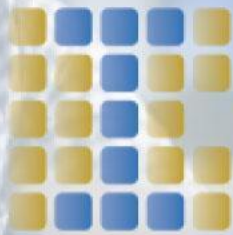




A Tennessee Flagship Carnegie R1 Research Institution

RESEARCH + INNOVATION

NEWSLETTER



CORPSTM
NSF Innovation Corps

UofM Joins NSF Mid-South I-Corps Hub, Expanding Innovation Westward

The University of Memphis recently became the newest addition to Tennessee's innovation corridor, one of 13 such hubs across the country.

[Read Full Story](#)



CAESER Earns Prestigious Governor's Award for Aquifer Study

Tennessee Governor Bill Lee and TDEC recognized the multidisciplinary research center for environmental stewardship.

[Read Full Story](#)



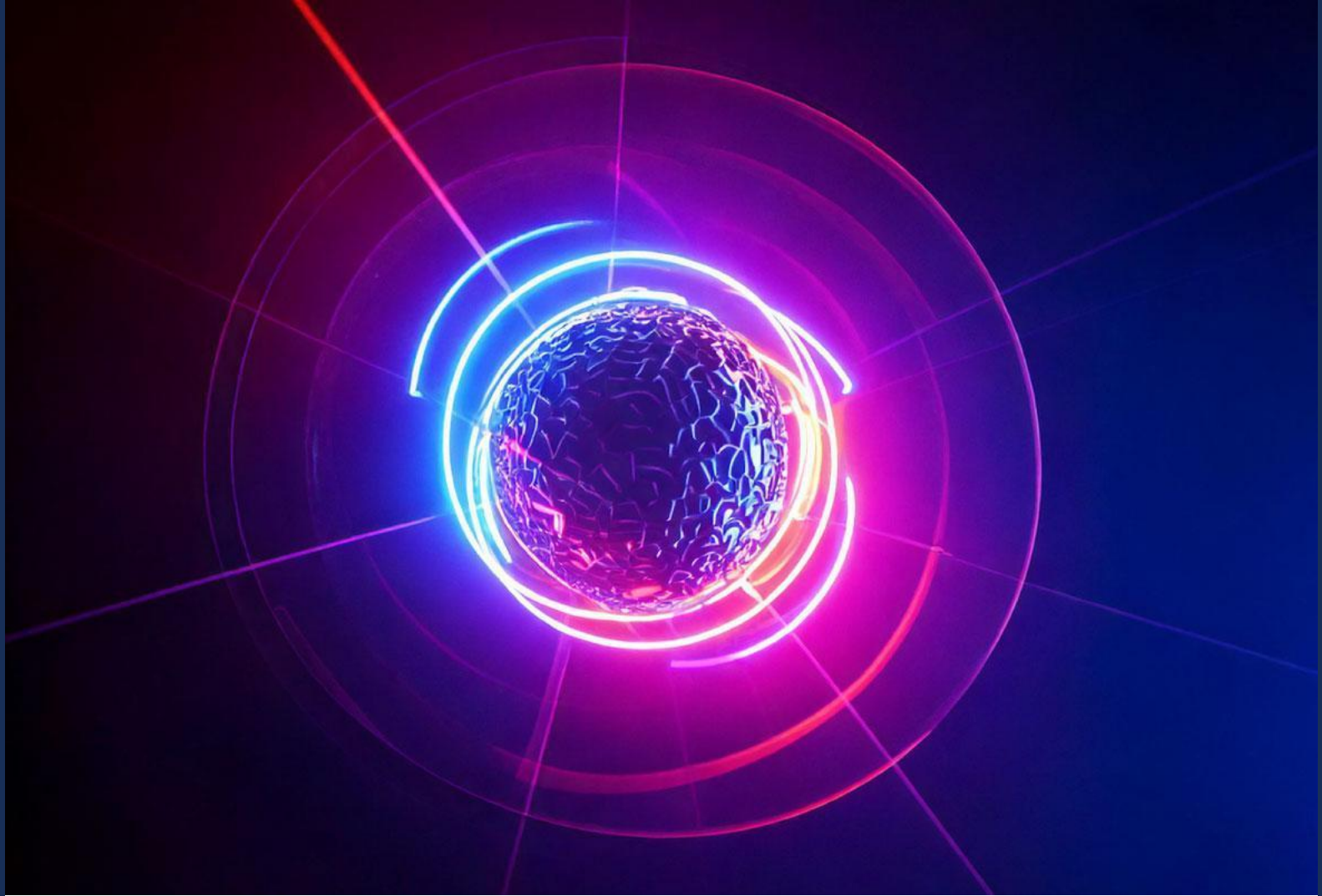
ENGLISH

LEARNER

Ensuring Success for English Language Learners

English faculty receive \$2.6M to serve the growing population of English language learners in our local school districts.

[Read Full Story](#)



Generating Single Photons at the University

The University of Memphis joins others in the United States who have generated and detected a single photon.

[Read Full Story](#)



Agriculture, Conservation Science and Education

ACRE funds five projects to expand research, data, training, student support and partnerships, building the University's leadership in agriculture and conservation.

[Read Full Story](#)



TNAIR Issues Call for Proposals

The UofM, with support from the National Science Foundation, issues Tennessee Applied Artificial Intelligence Research (TNAIR) Call for Proposals by Jan. 31, 2025

[Read Full Story](#)



Fighting Harmful Bacteria: Hygiene and Health in Bishoftu, Ethiopia

Reckitt Global Hygiene Institute (RGHI)-funded research project tackles enteric and antimicrobial resistance bacteria.

[Read Full Story](#)



Understanding and Analyzing Cavitation Erosion

Office of Naval Research awards project focused on damage and wear caused by repeated formation and collapse of vapor bubbles.

[Read Full Story](#)



Accelerating Growth in Local Food Value Chains

The U.S. Department of Agriculture funds grant focusing on sustainable and equitable food supply chains.

[Read Full Story](#)



Non-Cognitive Skills and Economic Mobility

Impacts of social-emotional instruction on middle school students in the Mississippi Delta.

[Read Full Story](#)



Improving PTSD Care for Military Personnel

Advancing precision psychiatry for military service-related PTSD by enhancing knowledge of clinical subtypes and their endophenotypes.

[Read Full Story](#)



Hack Memphis Hackathon 2024

The FedEx Institute of Technology welcomes back Hack Memphis to help the city reimagine itself through tech, shaping its future.

[Read Full Story](#)



Funding Opportunities: NIH Edition

Learn more about recent funding opportunities from federal agencies, outlining upcoming grants.

[See Full List](#)



Calendar of Events: December 2024

Learn more about research, UMRF Research Park and FedEx Institute of Technology events.

[See Full List](#)

Research Awards November 2024

Drs. Rebecca Adams and Emily Thrush awarded \$2.6 million from the U.S. Department of Education.

Dr. Matthew Smeltzer awarded \$477,129 from the Centers For Disease Control.

Dr. Deepak Venugopal awarded \$194,942 from the Bill and Melinda Gates Foundation.

Dr. Aaron Robinson awarded \$175,806 from the United States Army Research Laboratory.

Cynthia Muzzi awarded \$100,552 from the U.S. Department of Education.

Dr. Satish Kedia awarded \$75,000 from Substance Abuse & Mental Health Services Administration.

Dr. Deranda Lester awarded \$69,378 from the National Institutes of Health.

Dr. Carolyn Kaldon awarded \$64,287 from Health Resources and Services Administration.

Dr. Phillip Pavlik awarded \$55,181 from the National Science Foundation.

Dr. Stephanie Ivey awarded \$45,000 from National Academy of Sciences.

Dr. Yu Jiang awarded \$25,772 from University of Tennessee Health Science Center.

Dr. A. Katherine Lambert-Pennington awarded \$25,000 from the Community Foundation of Greater Memphis.

Dr. Kristoffer Berlin awarded \$24,556 from National Institutes of Health.

Dr. Rui Qi awarded \$9,997 from Timothy S. Y. Lam Foundation.

Adriana Dunn awarded \$9,990 from Tennessee Arts Commission.

Dr. Davia Downey awarded \$5,000 from the Institute for Humane Studies at George Mason University.

Dr. Fedoria Rugless awarded \$4,999.99 from the Shelby County Health Department.

Dr. Keith Bowers awarded \$3,500 Tennessee Ornithological Society, \$1540 from Tennessee Ornithological Society and \$500 from the Association of Southeastern Biologists.

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

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

Upcoming Events & Announcements



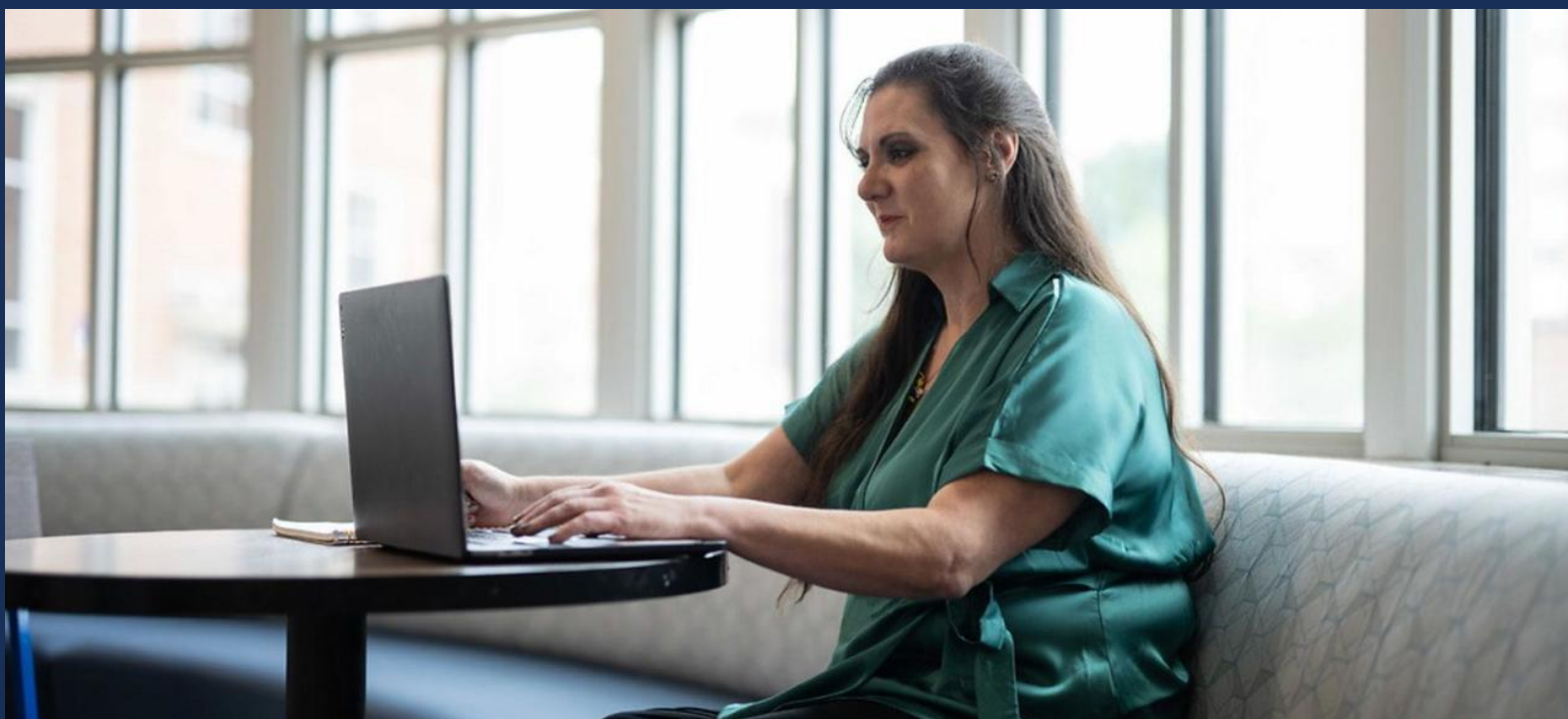
TNAIR Kickoff
Save the Date

Join us in the FedEx Institute of Technology to kick off the Tennessee Applied Artificial Intelligence Research (TNAIR) Call for Proposals and listen to Lightning Talks from the researchers who participated in the NSF MRI proposal that funded the GPU.

For more information, contact researchdev@memphis.edu.

Dec. 6 | 11:30 AM-1:30 PM
FedEx Institute of Technology | Room 225

REGISTER



November Professional Development

Recorded Learning Opportunities for Faculty

The Division of Research & Innovation hosts a variety of workshops, networking events and other professional development throughout the year. Events that can be recorded and uploaded to the [training archive](#) (UofM log-in required).

Below are the events from November 2024 that have been added to the archive:

- [NIH R03-R21-R01 Workshop](#) (Nov. 8)
- [TN Department of Economic and Community Development: Commissioner McWhorter](#) (Nov. 14)
- [Pre- and Post Award Processes](#) (Nov. 15)
- [Convey Scientific Graphics Workshop](#) (Nov. 15)
- [National Endowment for the Humanities Opportunities](#) (Nov. 19)
- [NIH F-Series Workshop](#) (Nov 21)
- [Submitting to IES: Planning Your Proposal](#) (Nov. 22)

Upcoming professional development and other events can be found on the calendar here. If you have any questions about the recorded events or have difficulty accessing any of the materials, please contact researchdev@memphis.edu.

TRAINING ARCHIVE

Research Grants Made Easy.



ATOM GRANTS

The University of Memphis now has an institutional membership with [Atom Grants](#). This strategic collaboration will dramatically streamline the grant search process for our researchers through Atom Grants' innovative AI-powered platform. Unlike traditional keyword-based searches, researchers can now find relevant funding opportunities by using natural language descriptions of their research, including the ability to input abstracts from existing papers directly into the search system. The platform automatically generates researcher profiles by analyzing existing public outputs, delivering personalized weekly email alerts with matching opportunities. Additionally, powerful AI features assist throughout the application process by extracting key requirements, generating submission checklists and automatically assessing eligibility criteria, ensuring researchers can focus more on their work and less on administrative tasks.

Anyone with a University email account can sign in to Atom Grants via our institutional membership. Sign in [here](#) using your university email address. You should be directed to a Single Sign-On (SSO) to sign in with your UofM credentials.

The Division of Research & Innovation now has a webpage with sign-in instructions and training for Atom Grants found [here](#).

For any questions about Atom Grants or assistance with the platform, please contact researchdev@memphis.edu.



UofM Faculty Expert List

Topics Across Various Subjects, Areas and Fields

Calling all University Partners:

As UofM marketing finalizes the new look of our UofM Newsroom, they are creating a **University Faculty Expert** list to connect faculty members with the media on news and trending topics across various subjects, areas and fields.

Please share this survey with faculty who would be interested in engaging with media requests and are open to discussing their research and insights. The ultimate goal is to create a centralized list across the University and begin to proactively pitch our experts.

Thank you for your assistance with this project.

[UofM FACULTY EXPERT LIST SURVEY](#)



C-NRL Open House

On Nov. 1, the Division of Research & Innovation hosted an open house of the Consumer NeuroInsights Research Lab (C-NRL). The C-NRL is a behavioral research and teaching facility founded in 2013 at the University of Memphis. C-NRL features a wide range of technologies and methods associated with consumer neuroscience, including EEG, eye tracking, automated facial expression recognition, GSR, pupillometry, heart rate and heart rate variability (HR/HRV) and implicit testing.

If you are interested in using the C-NRL, please contact Dr. Ganga Urumetta Hewage at ganga.u@memphis.edu.

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