



A Tennessee Flagship Carnegie R1 Research Institution

RESEARCH + INNOVATION

NEWSLETTER



NSF Funds Peksen's Three-Year Restrictions Project

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CAESER Continues to Study Memphis Aquifer

CAESER continues research on water quality of the Memphis Aquifer for the City of Memphis and MLGW.

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Healthy Behaviors and Infection Prevention

The Tennessee Department of Health and the CDC funds project to improve health services centers.

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Two New Formulas & Rehydration in Adults

Liquid IV sponsors a random, placebo-controlled semi-blind crossover study for healthy adults.

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Evaluations of Health and Educational Interventions

Effort will work to improve health care, educational and economic outcomes in the Mississippi Delta.

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Lasiecka Delivers Plenary at ECMI Conference

ECMI aims to enforce the interaction between academy and industry, leading to innovations in both fields.

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Facilities & Administrative Costs & Rates

New Facilities & Administrative rates go into effect July 1 for UofM on-campus research.

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Understanding Black Holes in Galaxies

Galaxy mergers, cosmic evolution of the relations between the central black hole and its host galaxy.

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DOE, DOJ, DOL, NIH and NSF Funding Opportunities

Recently published federal agencies' funding opportunities outlining upcoming grants.

[See Full List](#)



Calendar of Events August 2023

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

[See Full List](#)

Research Awards July 2023

Dr. Brian Waldron awarded \$9,750,000 from the City of Memphis with the Memphis Light Gas and Water.

Melvyn Harding awarded \$558,473 from the U.S. Department of Education.

Dr. Susan Neely-Barnes awarded \$475,374 from the Health Resources and Services Administration.

Dr. John Williams awarded \$425,298 from the National Institutes of Health.

Dr. Carl Herickhoff awarded \$413,756 from the National Institutes of Health and \$30,000 from the Acoustical Society of America.

Dr. Chrisann Schiro-Geist awarded \$375,000 from the Tennessee Department of Intellectual and Developmental Disabilities.

Dr. Karen Weddle-West awarded \$309,504 from the U.S. Department of Education.

Dr. Naomi Eichorn awarded \$191,704 from the National Institutes of Health.

Dr. Leigh Boardman awarded \$109,564 from the University of Florida with the U.S. Department of Agriculture.

Dr. Richard Bloomer awarded \$102,000 from the Tennessee Department of Mental Health and Substance Abuse Services with the U.S. Department of Health and Human Services.

Dr. Mark Gillenson awarded \$61,500 from Alion Science and Technology with the Department of Homeland Security.

Dr. Sabyasachee Mishra awarded \$50,000 from the University of Tennessee-Knoxville with the National Science Foundation.

Dr. Hongmei Zhang awarded \$45,580 from the Department of Veterans Affairs.

Dr. Xiaolei Huang awarded \$16,000 from the National Science Foundation.

Dr. Diana Delgado awarded \$15,372 from Concord Academy with the Tennessee Department of Education.

Dr. Wendy Griswold awarded \$6,000 from Kansas State University with the U.S. Environmental Protection Agency.

Dr. Debra Bartelli awarded \$5,000 from the Memphis Child Advocacy Center.

Adriana Dunn awarded \$5,040 from the Studio in a School Association, LLC (Studio Institute).

Dr. Viktoriya Pleshkan awarded \$5,000 from the American Association of Nurse Practitioners.

Dr. Angela Martin awarded \$2,353 from Tennessee Technological University.

Dr. Charles Garner awarded \$2,302 from SweetBio, Incorporated.

** 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



Hack 2023

FedEx Institute of Technology sponsors CodeCrew hackathon.

Join us for the ninth annual hackathon aimed at inspiring teamwork and civic engagement for students. This unique three-day event provides an opportunity for youth to show off their mobile app development skills and work on a real-world project to benefit our community.

The event is open to all interested students in grades 5th - 12th.

Students will be placed into teams and challenged to use computer science skills to solve a local community issue. Hackathon participants will work all day Friday, and will return on Saturday to complete their apps.

Day 1: Kickoff | Thursday, August 3 | 5-8 PM

Day 2: Friday, August 4 | 9 AM-5 PM

Day 3: Saturday, August 5 | 9 AM-4 PM

FedEx Institute of Technology | 225, 226, Fishbowl (203/205), Lobby.

REGISTER

NATIONAL
ACADEMIES

Sciences
Engineering
Medicine

Jefferson Science Fellowships

National Academies of Science, Engineering and Medicine

The National Academies of Sciences, Engineering and Medicine, on behalf of the U.S. Department of State and the U.S. Agency for International Development (USAID), is pleased to announce that starting in August 2023, applications are being accepted for the 2024 Jefferson Science Fellowships (JSF).

Established by the Secretary of State in 2003, these fellowships serve as an innovative model for engaging the American academic science, engineering and medical communities in U.S. foreign policy and international development through a one-year immersive experience at the U.S. Department of State or the U.S. Agency for International Development (USAID).

Jefferson Science Fellowships are a mutually beneficial partnership between government and participating U.S. academic institutions. These fellowships are open to tenured, or similarly ranked, faculty from U.S. institutions of higher learning who are U.S. citizens. After successfully obtaining a security clearance, Fellows are embedded at the U.S. Department of State or USAID where they can expect to learn the foreign policy and international development process while contributing their technical expertise to policy formulation and implementation.

Fellows can expect to become conversant in the operations and processes of the U.S. Department of State or USAID and will complement and enhance existing staff while being provided the opportunity to contribute their expertise on teams managing rapidly evolving foreign policy and international development issues. Fellow placements vary each year and are designed in consultation with host offices within the U.S. Department of State or USAID.

After completing the fellowship, faculty return to an academic career with a deeper understanding of the impact of science and technology in foreign policy, diplomacy and international development to augment their research and teaching. Upon mutual agreement, Fellows may remain consultants for their host office, further strengthening the partnership between government and the U.S. academic community.

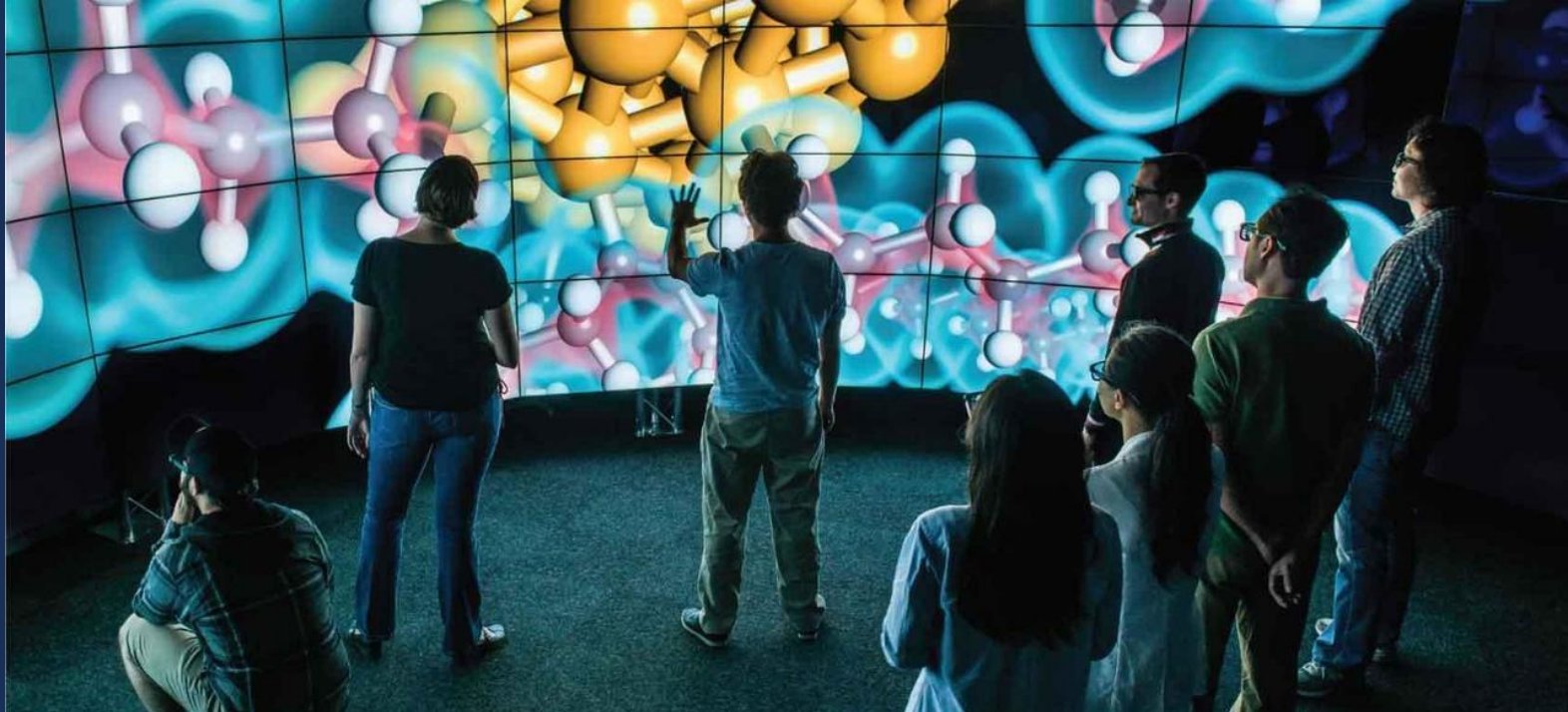
Recruiting Fellows who reflect the American people is a high priority. America's diversity is a source of strength that few countries can match. The more diverse, equitable, inclusive and accessible the diplomatic and international development communities are, the stronger, smarter and more creative the response will be to the challenges of the 21st Century.

Application Opens: Aug. 1, 2023

Application Deadline: Oct. 17, 2023 | 5 PM ET

To learn more and to apply, visit www.nas.edu/jsf.

Details



Call for NSF Major Research Instrumentation Program Internal Competition

Preliminary competition for limited submission instrumentation grant opportunity

Cost sharing requirements for new awards in the MRI Program are waived for a period of five years beginning with the FY2023 MRI competition. Institutional submission limits for Track 1, Track 2 and Track 3 proposals remain: Limit of two Track 1 proposals, one Track 2 proposal, and one Track 3 proposal.

Pre-proposals will be reviewed by a committee of faculty researchers. Pre-proposals can be submitted through the UofM [InfoReady website](#).

For 2023 Submissions: Selected proposals will be required to submit for external review 30 days before the NSF deadline (NSF Submission window is Oct. 16, 2023 - Nov. 15, 2023).

The Division of Research & Innovation is pleased to announce the preliminary proposal competition for submissions to the NSF Major Research Instrumentation Program through our InfoReady platform. NSF's Major Research Instrumentation Program is an annual call that provides funding for the acquisition of instrumentation. Because this is a limited submission, the University solicits preliminary applications from teams for consideration. The teams should be interdisciplinary, ideally incorporating multiple colleges at the UofM and demonstrating regional impact through partnerships that will use the instrumentation. Preliminary applications will be reviewed by a committee of faculty and only as many projects as are allowed to be submitted by the University will be selected.

This year's solicitation, [NSF 23-519](#), includes the following tracks:

- Track 1: Track 1 MRI proposals are those that request funds from NSF greater than \$100,000¹ and less than \$1,400,000.
- Track 2: Track 2 MRI proposals are those that request funds from NSF greater than or equal to \$1,400,000 up to and including \$4,000,000.
- Track 3: Track 3 MRI proposals are those that request funds from NSF greater than or equal to \$100,000¹ and less than or equal to \$4,000,000 that include the purchase, installation, operation, and maintenance of equipment and instrumentation to conserve or reduce the consumption of helium.

Reach out to Research Development at researchdev@memphis.edu if you have questions or want to discuss an application idea.



Research Studies

Participation Opportunities

Currently available:

- [Center for Information Assurance >](#)
- [Department of Psychology >](#)
- [Speech Perception Assessment Laboratory >](#)

If your department or college would like to have its research study participation opportunities listed, email thisweek@memphis.edu.

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