



Office of Research, Innovation,
and Economic Impact
**INSTITUTE FOR A
SUSTAINABLE EARTH**
George Mason University®

Weekly Newsletter
January 28, 2025

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Announcements

Upcoming Deadline: Proposals for the NSF ART Seed Translational Research Project (STRP) Program: Submit your STRP proposal by January 31, 2025!

With support from the National Science Foundation's Accelerating Research Translation (ART) program, George Mason's Institute for a Sustainable Earth (ISE) and the Virginia Climate Center (VCC) – in collaboration with the Center for Climate Strategies and the University of Kentucky – are working to create university-wide programming that enables the rapid, low-cost translation of the science that local governments, community-based organizations, and local businesses need to support the development of sustainable, equitable, and climate-resilient communities. Drawing inspiration from the cooperative extension service, George Mason's ART project aims to leverage the unique resources of higher education to address the challenges of climate change at the community level.

[Click Here For More Information](#)

News

- [George Mason University leads Virginia with strong U.S. News online program ranking](#)
- [Climate Dynamics Program in Top Physics Today Stories](#)
- [Breaking down the composting process](#)
- [Mason Korea students conduct environmental research on Incheon stream](#)

Events

Higher Education Climate Leadership Summit 2025

February 2 - 4, 2025 | Washington, DC



Higher Education Climate Leadership Summit 2025

Tuesday Feb 4, 2025 / 09:30AM - 11:00AM

“

Overcoming Barriers to Transdisciplinary Research

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Powered by Whova



Leah Nichols

+ 4 other speakers

[Click Here to Register](#)

Funding Opportunities

Heather's Highlights: Each week we will highlight current funding opportunities, alternating between the six ISE Research Themes.

Research Theme 1: Human Health, Well-Being, and Capabilities

The Department of Health and Human Services has listed a funding opportunity for Using Innovative Digital Healthcare Solutions to Improve Quality at the Point of Care (R21/R33)

The purpose of this funding opportunity is to invite applications that propose research projects that test promising digital healthcare interventions used at the point of care and aimed at improving the quality of healthcare services delivery. Research should be designed to test promising digital healthcare solutions that enable or facilitate technology-driven, point of care process solutions that use advanced analytics, patient-centered clinician and patient facing digital healthcare technologies, or clinical decision support systems to improve quality and health outcomes at the point of care.

Application Due Dates: February 16, 2025; June 16, 2025

Funding Amount: varies

Research Theme 2: Sustainable and Resilient Communities and Ecosystems

The National Science Foundation (NSF) has a continuous Dear Colleague Letter for a Design for Sustainability in Computing

The NSF's Computer and Information Science and Engineering (CISE) directorate supports research and education projects that develop new knowledge in all aspects of computing, communications, and information science and engineering, as well as advanced cyberinfrastructure, through its Core programs. The purpose of this Dear Colleague Letter (DCL) is to encourage the submission of novel

and high impact proposals that advance sustainability in all aspects of computing to the CISE Core programs.

Application Due Date: Continuous

Funding Amount: Not Specified

Research Theme 3: Harnessing the Digital Revolution for Sustainability and Education for All

The National Science Foundation (NSF) has a continuous Dear Colleague Letter for the Supporting Research at the Intersection of Agricultural Science, Big Data, Informatics, and Smart Communities, a joint effort between NSF and the U.S. Department of Agriculture's National Institute of Food and Agriculture (USDA/NIFA)

The purpose of the NSF Dear Colleague Letter is to encourage proposals that combine methods in agricultural, biological, and computer and information science and engineering to address pressing challenges in digital agriculture.

Application Due Date: Continuous

Funding Amount: Not Specified

Student Opportunities

RaMP-UP Fellows Program

Get a stipend of \$32,000 for a full year of participation. A roundtrip ticket to Panamá and lodging while at Smithsonian Tropical Research Institute facilities is included. Come away with a robust research experience, scientific products, an international professional network, a peer network, and strong mentors to advocate for your career. Applications for the 2025-2026 program will open on January 15, 2025 and close March 16, 2025.

RaMP-UP Fellows spend a year engaged in BioDiversity studies with Smithsonian Tropical Research Institute (STRI) scientists. You will be embedded in the tropical landscapes of Panamá, practicing cutting-edge and rigorous methodologies to make a lasting impact on Tropical BioDiversity.

[Click Here to Apply](#)

VentureWell's E-Team Program

The E-Team Program, part of the VentureWell Accelerator, supports student ventures as you embark down the path you're likely to take as an innovator and entrepreneur. We help you advance your invention through a powerful mix of up to \$25,000 in grant funding, entrepreneurship training, mentorship by dedicated staff, national recognition, and networking with peers and industry experts.

Do you have an idea that can change the world? Every year, we award over \$800,000 in non-dilutive

E-Team grants to early-stage innovator teams that develop scalable innovations which aim to solve a large social, health, or environmental challenge.

[Click Here to Apply](#)

The Institute for a Sustainable Earth (ISE) aims to connect members of the Mason community with others across the Mason community—and with other communities, policy-makers, businesses and organizations—so that, together, we can more effectively address the world’s pressing sustainability and resilience challenges.

The ISE Newsletter provides up-to-date information on conferences, funding opportunities, and research pertaining to environmental science and sustainability. The biweekly newsletter aims to facilitate information sharing among researchers, practitioners, and relevant local, national, and international organization.



ise.gmu.edu

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