



Institute for a
Sustainable Earth

Weekly Newsletter
October 1, 2024

[Announcements](#) | [In the News](#) | [Events](#) | [Upcoming Events](#) | [Funding Opportunities](#) | [Student Opportunities](#)

News

- [Five Things to Know about George Mason's Mobile CoffeeBot](#)
- [This George Mason alum can help you sleep better](#)
- [George Mason scientist studying parasite-derived vesicles in babesia virulence and vaccine development](#)
- [George Mason University ranks #1 in Virginia for best value, internships, and upward mobility](#)

Events

Charting the course for the next decade of sustainability research and innovation.

Webinar with Future Earth and
Cambridge University Press - Global
Sustainability



Webinar date: October 1st 2024
Time: 13.00-14.00 (BST)

[REGISTER HERE](#)

Description

Join us for an interactive webinar discussing the latest findings from the Future Earth research community, as featured in a special issue of Global Sustainability. This webinar will cover the pressing scientific questions emerging from Future Earth's Global Research Networks and other organizations addressing global environmental challenges.

Key topics include:

- Turning climate science into climate action
- The future of knowledge co-production in the Anthropocene
- Research governance on the frontiers of the Sustainable Development Goals
- Transdisciplinary collaboration in planetary health
- Explore how decades of research are accelerating transformations to global sustainability through innovative research and policy integration.

cambridge.org/sus

**GLOBAL
SUSTAINABILITY**

[Click Here to Register](#)

MASON I-CORPS: TAKING RESEARCH TO MARKET OCTOBER 2, 2024, 12:00 PM - 1:00 PM VIRTUAL

ABOUT INFO SESSION

Join us to learn about Mason's NSF I-Corps Program! This program teaches an evidence-based approach to research solution evaluation.

- Is the solution desirable?
- Who is the ideal audience?
- Where do you even start?

The I-Corps program is here to help answer these questions.

ABOUT THE PRESENTERS



Todd Morill, the Mason I-Corps Lead Instructor, is a Faculty Director at the Bay Area I-Corps Node at the University of California, Berkeley. With extensive experience as a National Instructor for the NSF I-Corps, he has taught and coached over 500 teams. In his presentation, he will provide an overview of the I-Corps program.



Fatah Kashanchi (PhD), is an esteemed professor in Virology and Director of the Laboratory of Molecular Virology at the George Mason University. He will share how participating in the I-Corps Regional Program enhanced his partnerships and improved his research solutions.



Radhika Barua (PhD) is an Assistant Professor in the Department of Mechanical and Nuclear Engineering at the Virginia Commonwealth University. In her presentation, she will highlight how participating in the I-Corps Regional program helped her to secure funding and establish partnership with a corporate partner.

WHAT WE WILL COVER:

- What is NSF I-Corps program
- Benefits of the I-Corps program to you as a Faculty, Researcher, Student or Staff
- Funding opportunities that will open up after participating in the I-Corps program
- Success stories of how participating in I-Corps has resulted in significant impact in research commercialization

WHO CAN ATTEND?

Faculty, Researchers, Postdocs, Students and Staff from any institutions of higher learning in the Commonwealth of Virginia.

REGISTRATION

Register for the Info session by clicking on the link or scanning the QR code below:

<https://gmu.zoom.us/join/register/tjYpdO6hqTsvHdD72hApj6Jm0511fPBPLRa#/registration>



[Register Now](#)

For any additional information contact:

- Sampson Addo, Mason I-Corps Hub Program Manager at saddo2@gmu.edu
- Gisele Stolz, Mason's I-Corps Director, Senior Director, Entrepreneurship Programs, Office of Research, Innovation, and Economic Impact at gstolz2@gmu.edu

[Click Here to Register](#)

A Webinar in Second Nature's Carbon Conversation Series

Oct 2, 2024 | 3:00 PM (ET)

In this webinar with Calyx Global Carbon Ratings Firm, Co-founder Donna Lee and Chief Scientist Deborah Lawrence will share insights based on their work reviewing hundreds of carbon offset projects and project methodologies for both greenhouse gas integrity as well as claimed contributions to the United Nations' Sustainable Development Goals. They will present the top research questions and ideas for colleges and universities to play a positive role in the VCM, and there will be time for discussion and brainstorming between researchers and the Calyx Global team in support of co-creating alignment and funding sources between the research enterprise and the private sector to contribute to global good.

[Click Here to Register](#)

Center for Infectious Diseases Research Conference

Nov 7, 2024, 9:00 AM - 5:00 PM

There is an exciting new conference from colleagues at the Center for Infectious Diseases Research (CIDR) on November 7, 2024, which covers the latest findings on viral, bacterial and other exotic and emerging pathogens. The meetings in on the George Mason University Science and Technology Campus, and the talks will be from local leaders including NIH, FDA and some of the local universities including University of Virginia, Georgetown University and George Washington University.

This one-day meeting is expected to attract colleagues, students and other professionals (mix of academia and industry) interested in Diagnostics, Therapeutics, Novel Technologies that cover the infectious disease arena and Public health policies that impact national security. It is expected that ~100-150 people will attend and the registration is free compliments of CIDR. There will also be a tour of the BRL at GMU, which is the largest NIH funded facility in the States. Two confirmed Keynote speakers to date include Dr. Robert Redfield (former director of CDC) and Dr. Avi Nath (NIH clinical director for NINDS). There will be time for posters and company vendor showcases during the meeting.

[Click Here to Register](#)

PROGRESS

PROmoting Geoscience Research, Education, and Success

Are you an undergraduate student who identifies as a woman and is interested in the earth and environmental sciences?

Participation begins with a one-day professional development workshop, where you will meet peers with similar interests, learn more about careers, and expand your network.

The 2024 workshop will be **Friday, November 8th 10:00 am - 4:30 pm** in UMD's Atrium in the Stamp Student Union.

Your professors are not involved, and your decision to participate will have no bearing on your course grade or credit. Your application to participate will be confidential.

In Fall 2024, we are welcoming students from the following schools:



THE GEORGE
WASHINGTON
UNIVERSITY

WASHINGTON, DC



AMERICAN UNIVERSITY
WASHINGTON, DC

Visit col.st/fBQwO or scan the QR code to sign up for the workshop



For more information on the workshop visit col.st/HhwVE or scan the QR code



PROGRESS is a mentoring program for you that is supported by the National Science Foundation.



[Click Here to Register](#)

Aligning Water Infrastructures with Energy Transmission: Potential Lessons for Local Governments

Tuesday, November 12, 2024

12:00 PM - 1:15 PM (ET)

Please join George Mason University's Virginia Climate Center, the Northern Virginia Regional Commission, and DC Water for a webinar introducing Washington DC's success interconnecting water infrastructures and district energy systems to convey heat, enhancing the city's resilience to an increasingly variable climate.

[Click Here to Register](#)

Climate Policy Colloquium

December 15-19, 2024

Washington, D.C.

Attendees of the Climate Policy Colloquium will gain insight into the United States policy-making process and the climate policy landscape, explore emerging challenges and opportunities in climate science and policy, and examine the inner workings of government agencies working at the interface of science and policy.

Don't miss out on attending the inaugural year of this AMS climate policy immersion workshop!

[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 National Institutes of Health (NIH) have released a call for Advancing Healthcare for Older Adults from Populations that Experience Health Disparities (R01 – Clinical Trial Optional).

The purpose of this initiative is to advance the science and implementation of innovative multi-level health care research for older adults from populations that experience health disparities. The initiative will support research designed to (1) gain a better understanding of appropriate screening, diagnostic, and clinical care guidelines in a primary care setting, (2) explore shared decision-making that is needed to enhance care planning and patient agency between clinicians and care teams with the older adult and their caregiver(s), and (3) identify effective strategies for care coordination.

Application Due Dates: January 5, 2025

Funding Amount: Not Specified

Research Theme 2: Sustainable and Resilient Communities and Ecosystems

NOAA's Coastal Zone Management Program (CZM) has announced their FY24 Bipartisan Infrastructure Law Coastal Zone Management Habitat Protection and Restoration Competition.

The purpose of this notice is to solicit grant proposals for coastal habitat restoration planning, engineering, and design; and coastal land conservation projects that support the goals and intent of the Coastal Zone Management Act (CZMA), the Coastal and Estuarine Land Conservation Program (CELCP), and the Infrastructure Investment and Jobs Act.

Application Due Date: January 9, 2025

Funding Amount: \$6,000,000

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

The National Endowment for the Humanities (NEH) has a funding opportunity for Digital Humanities Advancement Grants.

The Digital Humanities Advancement Grants program (DHAG) supports work that is innovative, experimental, and contributes to the critical infrastructure that underpins scholarly research, teaching and public programming in the humanities. Prospective applicants seeking ODH staff feedback about the fit of their project to the DHAG program are invited to submit a brief project description by emailing odh@neh.gov.

Application Due Date: January 9, 2025

Funding Amount: Varies on Level

Student Opportunities

Next System Fellows

"We are pleased to announce that Next System Studies is now accepting applications from George Mason University students to the Spring 2025 cohort of Next System Fellows!

Are you seeking a career in public service, research and education, social enterprise, community building, activism, or advocacy? Are you hoping to build practical experience and career networks in fields relevant to social change? Do you want to make a difference in the world – right here, right now?

If so, you should apply to become a Next System Fellow. The Next System Fellows are a part of Mason's prestigious Arlington Fellows program."

[Click Here to Register](#)

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

Share this email:



[Manage](#) your preferences | [Opt out](#) using TrueRemove™

Got this as a forward? [Sign up](#) to receive our future emails.

View this email [online](#).

4400 University Drive, MS 6D5
Fairfax, VA | 22030 US

This email was sent to .

To continue receiving our emails, add us to your address book.

[Subscribe](#) to our email list.