Weekly Newsletter
October 16, 2024

News

- George Mason scientist secures $1.4M DTRA grant to study viruses' impact on organ health
- Solar flares, geomagnetic storms, and a chance to see the northern lights
- New Research Utilizes Machine Learning to Address Social Isolation Among Alzheimer's Caregiver
- George Mason University recognized for commitment to access, diversity and inclusio
- Researching the effect of smartphone-free schools in Virginia

Events

OCTOBER 2024
SUSTAINABILITY MONTH

Volunteer

Use Appropriate Waste Streams

Eliminate Single-Use Plastics

Improve George Mason's Sustainable Impact

Support Ongoing Food Justice Efforts

Become a Sustainability Leader

GM FACILITIES AND CAMPUS OPERATIONS
George Mason University®

go.gmu.edu/SustainabilityMonth

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 Geroge 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 <u>one-day professional development workshop</u>, 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:

MORGAN STATE UNIVERSITY

GEORGE MASON UNIVERSITY

THE GEORGE WASHINGTON UNIVERSITY — WASHINGTON, DC

UNIVERSITY OF MARYLAND

UNIVERSITY of MARYLAND BALTIMORE

AMERICAN UNIVERSITY — WASHINGTON, DC

Visit col.st/fBQwQ 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.

NSF

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.

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Click Here to Register

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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!

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Click Here to Register

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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 Health Equity Through Interventions to Prevent and Address Housing Instability (R01 Clinical Trial Optional)

The purpose of this funding opportunity is to support research that advances health equity through development, testing, and evaluation of interventions that prevent and address housing instability. Applications responding to this Notice of Funding Opportunity should develop, test, and/or evaluate the impact of a housing intervention on both health and housing outcome(s). NINR is interested in applications that focus on social determinants of health (SDOH) interventions that modify housing opportunities and/or interventions that address housing instability as a social risk by addressing individual and/or interpersonal-level housing needs.

Application Due Dates: LOI November 13, 2024; Full proposal December 13, 2024
Funding Amount: $500,000

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

Pathways Communication Grants

The Pathways Communication Grants support innovative ways of communicating scientific outcomes of place-based research projects on pathways for sustainability to educate and engage with non-academic audiences.

Click Here to Apply

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 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.

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