

## News

- [George Mason REACHes for regional health policy solutions](#)
- [Where Did Your Fine Really Go? Students Are Invited to Make an Impact on Justice Transparency](#)
- [\\$1.2M NSF-funded fellowship aims to foster diversity in quantum science workforce](#)
- [George Mason expands partnership with GDIT to build a skilled and diverse technology workforce](#)

---

## Events

### 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 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:



Visit [col.st/fBQwO](https://col.st/fBQwO) or scan the QR code to **sign up for the workshop**



For more **information on the workshop** visit [col.st/HhwVE](https://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**

### **Call for Applicants: 2025 Maintainers Impact Fellowship**

The Maintainers is a global research and practice network focused in advancing maintenance, repair, and care. They convene interdisciplinary change-makers, researchers, practitioners, and every-day people who center maintenance, repair, and care and the myriad forms of labor, expertise, and infrastructure that sustain our human built world.

Consider applying for The 2025 Maintainers Impact Fellowship. This fellowship will start in January of 2025 and will advance the movement for maintenance thinking and action by uplifting individuals who are actively contributing to maintenance, repair, and care sectors within their communities. The Maintainers are offering two \$3,500 awards for two fellows to implement an impact project within a 3-month time frame (January 6 – April 7). More information [here](#).

Applications Close: November 21, 2024

---

### **REACH Center Call for Proposals**

The Research and Engagement for Action on Climate and Health (REACH) Center is pleased to announce its inaugural annual seed research grant competition. This year we will make available \$80,000 for seed grants, and will fund multiple grants of \$20,000-40,000 in total costs.

The REACH Center is a multi-institutional partnership between George Washington University, George Mason University, Howard University, and Environmental Defense Fund. The mission of the REACH Center is to bridge big data to climate solutions that advance health and environmental justice. Specifically, the Center leverages the power of novel geospatial datasets and research co-generation with governmental and nongovernmental partners to research health and equity impacts of climate change mitigation and adaptation actions from local to global scales. The Center offers

unique contributions to climate change and health research, which are aligned with the [NIH Climate Change and Human Health Strategic Framework](#):

- Health effects research, including discovery and applied research in multiple climate-health exposure pathways, producing new knowledge of how climate change influences infectious and non-communicable disease and how these associations are affected by mitigation and adaptation strategies.
- Evaluation of health equity outcomes associated with climate change.
- Intervention research, with a primary focus on broad-scale climate solutions through policies and other institutional actions that can reduce exposure and protect public health from climate-sensitive hazards.

The goal of the seed grant program is to build capacity so that a new cohort of researchers and community partners will have the skills, connections, and research agendas to apply for National Institutes of Health R-level research grants in these topical areas while also targeting effective interventions to advance health equity and environmental justice.

If you have one or more components of a proposal, but are missing other bits and pieces, we are here to help! REACH Center staff will be happy to assist you in preparing a full proposal. Please contact Robert Ortung ([rortung@gwu.edu](mailto:rortung@gwu.edu)) or Rachel Clark ([rachelclark@gwu.edu](mailto:rachelclark@gwu.edu)) with any questions.

Please submit the full proposal in one PDF file by January 15, 2025 5pm EST to Rachel Clark at [rachelclark@gwu.edu](mailto:rachelclark@gwu.edu). Decisions will be announced by February 15, 2025.

---

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 released a call for Organismal Response to Climate Change (ORCC)

Proposals to the ORCC Solicitation are encouraged that build on NSF's investment in growing convergence research by developing integrative, cross-disciplinary approaches that examine the organismal mechanisms that underlie adaptive and maladaptive responses to environmental factors associated with climate change, how these responses affect fitness in changing and/or novel climates

and the genetic and evolutionary processes (eco-evolutionary) through which these traits originate, persist, and are transmitted across generations.

Application Due Date: January 23, 2025

Funding Amount: \$15,000,000

---

### **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](mailto: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.



[ise.gmu.edu](http://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.