

Please see below for a partial list of funding opportunities of interest to faculty and full-time research staff. **The list is not intended for students.**

PLEASE NOTE: Pivot E-mail Alerts, set up individually by faculty members, are Purdue's primary resource for timely funding information in all disciplines. More information about Pivot and other e-mail alert services and search tools may be found [here](#).

****** To receive this newsletter directly to your inbox, please sign up for the listserv by emailing listserv@lists.purdue.edu. Leave the subject blank and in the message body type: subscribe Weeklyfundingopps [your_first_name] [your_last_name]. Only *purdue.edu* e-mail addresses will be accepted. ******

Please contact Sue Grimes (sgrimes@purdue.edu) with any questions.

1. **Limited Submissions:**

Preproposals and rankings should be submitted via Purdue's InfoReady portal (<https://purdue.infoready4.com/>). Purdue's open limited submission competitions, templates, and limited submission policy may be found at <http://www.purdue.edu/research/funding-and-grant-writing/limited-submissions.php>. For any case in which the number of preproposals received is no more than the number of proposals allowed by the sponsor, the OOR will notify the PI(s) that an internal competition will be unnecessary. Questions should be addressed to EVPRPlimited@purdue.edu.

Limited Submission: None this week

2. **Selected Funding Opportunities:**

[NSF Dear Colleague Letter: Funding Opportunities for Science and Engineering Research with Impact on Women's Health](#) With this Dear Colleague Letter (DCL), in response to the White House Initiative on Women's Health Research, the U.S. National Science Foundation (NSF) encourages the submission of research and education proposals related to women's health. This DCL does not constitute a new competition or program. Proposals submitted in response to this DCL should be prepared and submitted in accordance with guidelines in the NSF Proposal & Award Policies & Procedures Guide (PAPPG) and instructions found in relevant NSF funding opportunities. Investigators who wish to submit proposals on any of these topics, or others related to women's health, are strongly encouraged to reach out to the cognizant NSF Program Officer(s) listed in the relevant funding opportunity to discuss the fit of their ideas to existing program. Deadline: On-going

[NSF Dear Colleague Letter: Innovative Use of Scientific Collections \(IUSC\)](#) NSF encourages the submission of proposals that foster Innovative Use of Scientific Collections and/or associated digital data for novel research, education, and training applications within and across STEM disciplines. NSF is broadly interested in enabling discovery through the use and reuse of existing resources with untapped potential. Proposals responsive to this DCL should be primarily focused on innovative use of physical specimens and of data tracing back to physical specimens. Deadline: Varies by directorate

[NSF Dear Colleague Letter: Piloting Departmental-level Systemic Change for Equity](#) With this Dear Colleague Letter, the National Science Foundation's Directorate for STEM Education (EDU), with leadership from the Division of Equity for Excellence in STEM (EES) and the Alliances for Graduate Education and the Professoriate (AGEP) program, seek to understand the role that STEM departments play in institutionalizing change strategies that promote equitable policies and practices for graduate students, postdoctoral scholars, and faculty. This Dear Colleague Letter particularly encourages submission of new proposals to support projects focused on departmental-level changes in policies and practices that support and retain the diverse talent of STEM doctoral

candidates, postdoctoral scholars and faculty from historically underrepresented and underserved minority groups. Deadline: Follows AGEP ITA and Catalyst Alliance

[NSF Dear Colleague Letter: Emerging Mathematical Tools applied to Ecology and Evolution of Infectious Disease](#) This program includes partnerships with the US Department of Agriculture, National Institute of Food and Agriculture (USDA/NIFA), National Institutes of Health (NIH), United Kingdom Research and Innovation (UKRI), United States-Israel Binational Science Foundation (BSF), and National Natural Science Foundation of China (NSFC). The intent of the program is discovery of principles of infectious disease (re)emergence and transmission and testing mathematical or computational models that elucidate infectious disease systems. Those models can be of any type that advance causal or mechanistic understanding, including, but not limited to, models that use artificial intelligence or machine learning. The Program also encourages projects that take advantage of emerging technologies, such as remote sensing and precision treatment, especially those that will enhance food security. Deadline: November 20

[NSF Dear Colleague Letter: Nordic-U.S. Research Collaboration on Sustainable Development of the Arctic](#) NordForsk and NSF are pleased to announce support for interdisciplinary research to bring forward new knowledge on how to ensure sustainable development of the Arctic. This funding opportunity is designed to support interdisciplinary research projects of the highest international quality and potential for societal impact with clear added value from multilateral collaboration. Only interdisciplinary research will be funded that integrates skills from multiple disciplines to contribute new and groundbreaking knowledge for the sustainable development of the Arctic. Proposers at U.S institutions must collaborate with co-host institutions in three or more Nordic countries to submit a pre-proposal. Deadlines: June 4 – Pre-proposal; Full proposal by invite

[NIH Mechanisms of Cognitive Fluctuations in ADRD Populations \(R01\)](#) This NOFO invites research applications focused on understanding the underlying pathophysiology of cognitive fluctuations in people diagnosed with Alzheimer's Disease- Related Dementias (ADRD). Researchers should propose a clear hypothesis for one or more etiologies that can be measured with standardized assessments (e.g., clinical evaluations, blood tests, electrophysiology, etc.) that can be collected across multiple time points and/or diagnoses. The use of digital measures capable of capturing fluctuations in real time are highly encouraged. Deadline: June 24

[NIH Director's Transformative Research Awards \(R01\)](#) This award supports individual scientists or groups of scientists proposing bold, groundbreaking, exceptionally innovative, original, and/or unconventional research with the potential to create new scientific paradigms, establish entirely new and improved clinical approaches, or develop transformative technologies. To support innovative and novel research across the vast NIH mission, individuals from diverse backgrounds (including those from underrepresented groups) and from the full spectrum of eligible institutions in all geographic locations are encouraged to apply to this NOFO. Applications in all topics relevant to the broad mission of NIH are welcome in all topic areas relevant to the broad mission of NIH, including, but not limited to, behavioral, social, biomedical, applied, and formal sciences and topics that may involve basic, translational, or clinical research. No preliminary data are required. Projects must clearly demonstrate, based on the strength of the logic, a compelling potential to produce a major impact in a broad area of relevance to the NIH. Deadline: September 3

[NIH New Approaches for Measuring Brain Changes Across Longer Timespans](#) The purpose of this funding opportunity is to encourage multidisciplinary investigators to develop new approaches or apply existing approaches in novel ways to measure brain activity, connectivity, genomics, or other aspects across the age spectrum of neurodevelopment. The overarching goal is to extend our understanding of brain development and aging, including studies of the neurodevelopmental origins of later health and disease.

- **[R01](#)** Deadline: June 5
- **[R21](#)** Deadline: June 16

NIH Research on the Neuro-Immune Axis in the context of HIV and Substance Use The purpose of this NOFO is to support research towards identifying and characterizing neuroimmune networks, communication pathways, and targets that reside within neuroimmune axes, in the context of HIV and substance use. This NOFO will also support research on the discovery of novel modulatory probes/tools that can advance our knowledge of the regulatory mechanisms by which neuroimmune interactions contribute to HIV and substance use disorder comorbidity.

- [R01](#) Deadline: November 13
- [R21](#) Deadline: November 13

NIH Support for Research Excellence (SuRE) Award (R16) The SuRE program supports research capacity building at eligible higher education institutions by funding investigator-initiated biomedical research in basic, social, clinical, behavioral, or translational science that falls in the mission areas of the NIH. The purpose of SuRE awards is to provide research grant support for faculty investigators at resource-limited institutions who are not currently funded by any NIH Research Project Grants (RPGs) with the exception of SuRE or SuRE-First awards, to furnish students with high-quality undergraduate and/or graduate research experiences and to enhance the institutional scientific research culture. Deadline: May 29

NIH Support for Research Excellence First Independent Research (SuRE-First) Award (R16) The purpose of SuRE-First awards is to provide research grant support for faculty investigators who have not had prior independent external research grants, to furnish students with high-quality undergraduate and/or graduate research experiences and to enhance the institutional scientific research culture. Deadline: May 29

NIH Utilizing Equipment to Study Environmental Extrinsic Factors and Enhance Rigor and Reproducibility of Animal Research (R24) ORIP invites grant applications from core facilities, resource centers, animal vivaria, or individual investigators of other shared resources to systematically study the roles of critical environmental extrinsic factors in biological, behavioral, and treatment studies using animal model species, with the objective of enhancing the rigor and reproducibility of animal research. The research area must be broadly applicable to the scientific interests of two or more NIH Institutes or Centers (ICs) and must evaluate the biological processes that impact multiple organ systems in order to align with the ORIP's NIH-wide mission and programs. The program supports the acquisition or update of modern equipment for measuring, monitoring, recording, and reporting environmental, biological or biobehavioral variables. The equipment requested must be capable of recording and reporting multiple parameters simultaneously. Deadline: September 25

NIH Directors New Innovator Award Program (DP2) The NIH Director's New Innovator Award Program supports early stage investigators of exceptional creativity who propose bold and highly innovative research projects with the potential to produce a major impact on broad, important areas relevant to the mission of NIH. For the program to support the best possible researchers and research, applications are sought which reflect the full diversity of the research workforce. Deadline: August 19

NIH Directors Early Independence Awards (DP5) The NIH Director's Early Independence Award supports rigorous and promising investigators who wish to pursue independent research soon after completion of their terminal doctoral degree or post-graduate clinical training, thereby forgoing the traditional post-doctoral training period and accelerating their entry into an independent research career. To support innovative and novel research across the vast NIH mission, individuals from diverse backgrounds (including those from underrepresented groups) and from the full spectrum of eligible institutions in all geographic locations are encouraged to apply. Applications in all topics relevant to the broad mission of NIH are welcome, including, but not limited to, topics in the behavioral, social, biomedical, applied, and formal sciences and topics that may involve basic, translational, or clinical research. Deadline: September 6

NIH Nathan Shock Centers of Excellence in Basic Biology of Aging (P30) This NOFO invites applications for the Nathan Shock Centers of Excellence in Basic Biology of Aging (NSC). These Center grants will provide funding for leadership, training, research, and outreach activities that will increase and disseminate scientific knowledge in areas supported by the NIA's Division of Aging Biology. Deadline: June 14

[HHS-FDA Development and Maintenance of the Animal Food Regulatory Program Standards \(U19\)](#) The intended outcome of this NOFO is to advance efforts for a nationally integrated animal food safety system by assisting State animal food regulatory programs to achieve and maintain full implementation of the Animal Food Regulatory Program Standards (AFRPS). Deadline: May 20

[DOE ARPA-E Exploratory Topics](#) This announcement is purposely broad in scope, and will cover a wide range of topics to encourage the submission of the most innovative and unconventional ideas in energy technology. The objective of this solicitation is to support high-risk R&D leading to the development of potentially disruptive new technologies across the full spectrum of energy applications. Topics under this FOA will explore new areas of technology development that, if successful, could establish new program areas for ARPA-E, or complement the current portfolio of ARPA-E programs. Deadline: Varies by topic area

[DOE Solar and Wind Interconnection for Future Transmission \(SWIFTR\)](#) This Funding Opportunity Announcement (FOA) is jointly issued by the U.S. Department of Energy Solar Energy Technologies Office (SETO) and Wind Energy Technologies Office (WETO) as part of their Interconnection Innovation Exchange (i2X) program to support innovative work to enable simpler, faster, and fairer interconnection of clean energy resources while enhancing the reliability, resiliency, and security of our electrical grid. The two FOA topic areas are as follows: Topic Area 1: Improved Efficiency of EMT Simulations for Interconnection Studies of IBRs. Area 2: Dynamic Stability-Enhanced Network Assessment. Deadlines: April 17 – Concept paper; June 28 – Full proposal

NASA-ROSES Opportunities:

- [Land Cover/Land Use Change](#) Deadlines: March 28 – NOI; May 30 – Proposal
- [Ocean Biology and Biogeochemistry](#) Deadlines: April 10 – NOI; July 3 - Proposal
- [Biodiversity and Ecological Conservation](#) Deadlines: May 13 – NOI; June 13 – Proposal
- [Earth Surface and Interior](#) Deadlines: April 18 – NOI; June 21 - Proposal
- [Earth Action: Disaster Risk Reduction, Recovery, and Resilience](#) Deadlines: March 28 – NOI; June 14 - Proposal
- [Earth Action: Health and Air Quality](#) Deadlines: July 8 – NOI; August 6 – Proposal
- [Earth Action: Ecological Conservation Impact Assessment](#) Deadlines: April 15 – NOI; May 15 – Proposal
- [Citizen Science for Earth Systems Programs](#) Deadlines: April 15 – NOI; May 14 – Proposal
- [Heliophysics Supporting Research](#) Deadlines: April 11 – NOI; June 20 – Proposal
- [Maturation of Instruments for Solar System Exploration](#) Deadlines: April 8 – NOI; June 27 – Proposal
- [Planetary Science Enabling Facilities](#) Deadlines: April 5 – NOI; June 25 - Proposal
- [Development and Advancement of Lunar Instrumentation](#) Deadlines: April 12 – NOI; June 26 - Proposal
- [Yearly Opportunities for Research in Planetary Defense](#) Deadlines: April 18 – NOI; June 18 – Proposal
- [Astrophysics Data Analysis](#) Deadlines: March 28-NOI; May 16 - Proposal
- [Exoplanets Research](#) Deadlines: April 2 – NOI; May 31 - Proposal

[USDA-NIFA Agriculture and Food Research Initiative \(AFRI\) Competitive Grants Program Education and Workforce Development](#) The Agriculture and Food Research Initiative - Education and Workforce Development (EWD) focuses on developing the next generation of research, education, and extension professionals in the food and agricultural sciences. Six program areas are solicited for 2024:

- **Professional Development for Agricultural Literacy (PDAL)** The PDAL Program Area Priority seeks to increase the number of K-14 educational professionals trained in the food and agricultural sciences. Purdue can apply to Standard grant but not eligible for FASE Strengthening. Deadline: September 12
- **Agricultural Workforce Training at Community Colleges** Purdue not eligible
- **Food and Agricultural Non-formal Education (FANE)** This Program Area priority will support content development and activities for non-formal education to foster development of technology-savvy youth. Purdue can apply to Standard grant but not eligible for FASE Strengthening. Deadline: December 5
- **Research and Extension Experiences for Undergraduates (REEU)** The REEU Program Area Priority promotes research and extension learning experiences for undergraduates such that upon graduation

they may enter the agricultural workforce with exceptional skills. Purdue can apply to Standard grant but not eligible for FASE Strengthening. Deadline: August 15

- **Predoctoral Fellowships** The Predoctoral Fellowships Program Area Priority help develop new scientists and professionals to enter research, education, and/or extension fields within the food and agricultural sciences within the private sector, government, or academia. Deadline: October 24
- **Postdoctoral Fellowships** The Postdoctoral Fellowships Program Area Priority helps to develop new scientists and professionals to enter research, education, and/or extension fields within the food and agricultural sciences within the private sector, government, or academia. Deadline: September 5

USDA-APHIS Antimicrobial Resistance Dashboard 2024 Cooperative Agreements Through public-private partnerships, USDA APHIS will develop and utilize antimicrobial resistance dashboard tools to improve access to information on antimicrobial resistance in domesticated animals, including livestock, poultry, and companion animals. All antimicrobial resistance dashboard tools developed will provide data protections similar to the Confidential Information Protection and Statistical Efficiency Act. Once created, the antimicrobial resistance dashboard tools will be used to monitor trends in antimicrobial resistance patterns, detect emerging resistance profiles, and better understand relationships between antimicrobial use and animal health management practices and antimicrobial resistance. Deadline: May 20

EPA Advancing Sustainable Chemistry This RFA is soliciting research for data, methods, and systems that lead to actionable, scalable change toward chemistry, chemicals, and products that support sustainable chemistry. A sustainable chemistry strategy should offer a broad multi-disciplinary approach that strives to balance considerations of the four E's: Energy, Efficiency, Economy, and Environment. Areas of interest include: Data sharing platforms, New approach methodologies and novel data streams, and Evaluation of specific life stages of a chemical. Deadline: May 29

NEH Cultural and Community Resilience The Cultural and Community Resilience program supports community-based efforts to address the impacts of climate change and COVID-19 by safeguarding cultural resources and fostering cultural resilience through identifying, documenting, and/or collecting cultural heritage and community experiences. The program prioritizes projects from disadvantaged communities in the United States or its jurisdictions. Projects should fall into one of two categories: community collecting initiatives or oral history programs. All projects must address the impacts of either climate change or the COVID-19 pandemic on one or more communities. The program welcomes both modest projects and larger ones and supports projects at any stage, from preliminary planning to final steps and implementation. Deadline: May 21

The Mark Foundation Emerging Leader Awards These awards support innovative cancer research from the next generation of leaders. These grants are awarded to outstanding early career investigators to support high-impact, high-risk projects that are distinct from their current research portfolio. The awards are \$750,000 total over a three-year term, beginning January 1, 2025. Applicants must be three to eight years from the start of an independent faculty research appointment (start date must fall within 2016-2021). Exceptions due to prolonged medical or family leave will be considered on a case-by-case basis. Deadlines: April 29 – LOI; Full proposal by invite

3. **Other:**

NSF Confronting Hazards, Impacts and Risks for a Resilient Planet (CHIRRP) Webinar March 25; 3-4PM ET; Registration required