

Please see below for a partial list of funding opportunities.

*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](mailto: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](mailto: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](mailto:EVPRPlimited@purdue.edu).

**Limited Submission: *DOS Nexus 3.0*** The U.S. Department of State's Public Diplomacy Section in New Delhi invites proposals from eligible non-profit, non-governmental organizations to develop and implement public diplomacy programs in collaboration with the Nexus Start-up Hub at the American Center in New Delhi. This initiative aims to address the growing interest among Indian business sectors in adopting U.S. entrepreneurial skills and values, thereby fostering cultural and economic ties between the two nations. Only **one** submission is allowed per organization.

*Internal deadline:* Preproposal due in InfoReady by March 25 ([template](#))

*Sponsor deadline:* May 6

### 2. **Selected Funding Opportunities:**

***NSF Improving Undergraduate STEM Education: Computing in Undergraduate Education (IUSE: CUE)*** The IUSE:CUE program aims to better prepare a wider, more diverse range of students to collaboratively use computation across a range of contexts and challenging problems. With this solicitation, the National Science Foundation focuses on re-envisioning how to teach computing effectively to a broad group of students, in a scalable manner, with an emphasis on broadening participation of groups who are underrepresented and underserved by traditional computing courses and careers. Deadline: May 30

***NSF Artificial Intelligence, Formal Methods, and Mathematical Reasoning (AIMing)*** The AIMing program seeks to support research at the interface of innovative computational and artificial intelligence (AI) technologies and new strategies/technologies in mathematical reasoning to automate knowledge discovery. Successful projects should demonstrate the potential to advance both the mathematical sciences as well as the computational models and methods used to attain these advancements. Deadline: June 3

***NSF Ideas Lab: Advancing Cell-Free Systems Toward Increased Range of Use-Inspired Applications (CFIRE)*** The Advancing Cell-Free Systems Toward Increased Range of Use-Inspired Applications (CFIRE) initiative will accelerate the adoption of cell-free systems, enable new applications of this technology and contribute to the growth of the U.S. bioeconomy. CFIRE will address the key limitations of cell-free technology by identifying

technical approaches that can enable ongoing cycles of improvement. The objective is to place cell-free technology on an exponential growth path in which reduced costs lead to increasing adoption which, in turn, generates the learning and investment required to further reduce costs. In order to keep the work focused and to stimulate increasing adoption, efforts funded through this initiative will focus on one or more specific use cases. Deadlines: May 17 – Preliminary proposal; September 20 – Proposal

**[NSF Dear Colleague Letter: NSF Directorate for Computer and Information Science and Engineering \(CISE\): Approaches to Research & Development Strategic Visioning \(RDSV\)](#)** The goal of this DCL is to encourage a diversity of compelling approaches to early-concept strategic visioning by the broad R&D community in different emerging areas important to the CISE mission. The objectives include (1) coordination with stakeholders from academia, industry, government, professional societies, virtual organizations, and international entities; (2) development of plans and methodologies for timely, effective communications and dissemination; and (3) approaches for recognition of early-stage R&D and emerging trends of high-impact potential for CISE at an EAGER-appropriate scale. Moreover, the lessons learned from the EAGER awards will inform future visioning activities. Deadlines: May 1 – Concept paper; May 31 - Proposal

**[NIH Leveraging Data at Scale to Understand Natural Product Impacts on Whole Person Health \(R01\)](#)** This NOFO will support development, adaptation, and/or applications of computational tools to aggregate and analyze orthogonal chemical and/or biological data sets related to natural products with the aim of generating novel testable hypotheses regarding their biological activity and role in the context of whole person health research. Projects must leverage and merge multiple compatible or interoperable sources and/or types of data. Deadline: June 28

**[NIH Elucidating Mechanisms Associated with HIV Related Co-Morbidities in Populations Experiencing Health Disparities \(R01\)](#)** The purpose of this initiative is to support research to determine the underlying mechanisms that contribute to health disparities in HIV and aging and how multiple comorbidities influence overall health outcomes and quality of life among people with HIV from populations that experience health disparities. Deadline: May 7

**[NIH Strategies to Improve Health Outcomes and Advance Health Equity in Rural Populations \(R01\)](#)** The purpose of this initiative is to support research to improve health and promote health equity in rural populations. Rural populations experience high rates of many causes of morbidity and disability, and high and increasing rates of premature death. Applications responding to this NOFO should develop, adapt, or implement intervention strategies addressing social determinants of health (SDOH) to improve health and promote health equity in rural populations. This funding opportunity encourages studies that use a wide range of methodological approaches that enhance access to, and acceptability and effectiveness of, interventions in rural populations, such as community-engaged research approaches that build on the strengths of rural communities. Deadline: May 17

**[NIH Impact of Comorbidities and Co-Infections on HIV Reservoirs \(R01\)](#)** This Notice of Funding Opportunity (NOFO) seeks to foster new multi-disciplinary teams to address how HIV Comorbidities and co-infections within the missions of NIDDK and NIAID interact with viral reservoirs, potentially confounding cure strategies aimed at either sustained viral suppression or elimination from the body. These teams will mechanistically interrogate the impact of inflammation, metabolic perturbations, or other pathophysiological processes associated with these comorbidities or co-infections on reservoir dynamics, and/or the interplay of these conditions and co-infections on HIV reservoir biology in ways that are likely to interact with potential cure strategies. Deadline: July 30

**[NIH Priority HIV/AIDS Research within the Mission of NIDDK \(R01\)](#)** This NOFO seeks to stimulate HIV/AIDS research within the mission of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) that aligns with the HIV/AIDS research priorities outlined by the NIH Office of AIDS Research (OAR). Deadline: May 7

**DOD-DARPA Expeditionary Carbon Utilization for energy Resilience and Stabilization (ExCURSion)** DARPA is soliciting innovative research proposals in the foundational technologies area to enable carbon dioxide (CO<sub>2</sub>) reduction, capture, and storage. These technologies are envisioned as key components for a future self-enclosed system that creates liquid carbon fuels and uses them to store and deploy energy to address the need for energy resilience in an expeditionary setting, independent of a fuel supply line. The envisioned system will enable safe, field-deployable, high-density, and rechargeable energy storage. Proposed research should investigate innovative approaches enabling revolutionary advances in science, devices, or systems. ExCURSion is divided into two TAs: TA1 focuses on fuel generation from combustion products; and TA2 focuses on capture, storage, and release of combustion products. Deadlines: March 8 – Abstract; April 29 - Proposal

**DOD-DARPA Scientific Feasibility (SciFy)** The Defense Advanced Research Projects Agency (DARPA) is soliciting innovative proposals in the following areas of interest: feasibility assessment of scientific content and testing and evaluation of feasibility assessment methods. The objective of the Scientific Feasibility (SciFy) program is to develop computational methods that measure the feasibility of claims in order to enable accurate assessments of scientific content. The program's focus will be on claims that express scientific and technological capabilities. The program aims to demonstrate that the scientific feasibility of claims can be determined by using automated reasoning to decompose claims into constituent, verifiable parts. Deadline: March 18 – Abstract; April 25 - Proposal

**DOD-NRL Long Range Broad Agency Announcement (BAA) for Basic and Applied Research** NRL requests white papers for long-range Science and Technology (S&T) projects which may offer advancement and improvement potential for Navy and Marine Corps operations. This announcement emphasizes NRL's broad role in the competitive funding of meritorious research across a spectrum of science and engineering disciplines. Deadlines: White papers accepted continuously through end of BAA; full proposal by invite

**DOE-NNSA Stewardship Science Academic Alliances Program (SSAA)** The SSAA Program was established in 2002 to support state-of-the-art research at U.S. academic institutions in areas of fundamental physical science and technology of relevance to the SSP mission. The Office of Defense Programs announce their interest in receiving applications for new or renewal financial assistance awards for research grants in the SSAA Program. **Researchers seeking renewals of their current SSAA grant should apply to this NOFO.** The research areas of interest in the SSAA Program for this announcement are properties of materials under extreme conditions and material processing, low energy nuclear science, and radiochemistry. Research topics areas include: 1) Properties of materials under Extreme Conditions and Material Processing; 2) Low energy nuclear Science; and 3) Radiochemistry. Deadlines: March 11 – LOI; June 20 – Application

**DOC-NIST Measurement Science and Engineering (MSE) Research Grant Programs** NIST is soliciting applications for financial assistance for Fiscal Year 2024 (FY24) within the following NIST grant programs: (1) Associate Director for Innovation and Industry Services (ADIIS); (2) Associate Director for Laboratory Programs (ADLP); (3) CHIPS Research & Development Program Office (CRDO); (4) Communications Technology Laboratory (CTL); (5) Engineering Laboratory (EL); (6) Fire Research (FR); (7) Information Technology Laboratory (ITL); (8) International and Academic Affairs Office (IAAO); (9) Material Measurement Laboratory (MML); (10) NIST Center for Neutron Research (NCNR); (11) Physical Measurement Laboratory (PML); (12) Special Programs Office (SPO); and (13) Standards Coordination Office (SCO). Deadline: Rolling; May 1 for current round

**USDA-NIFA Agriculture and Food Research Initiative Sustainable Agricultural Systems (SAS)** Applications to the Agriculture and Food Research Initiative - Sustainable Agricultural Systems (SAS) must focus on approaches that promote transformational changes in the U.S. food and agriculture system. NIFA seeks creative and visionary applications that take a systems approach for projects are expected to significantly improve the supply of affordable, safe, nutritious, and accessible agricultural products, while fostering economic development and rural prosperity in America. Deadline: June 6

[\*\*NASA University Leadership Initiative \(ULI\)\*\*](#) University Leadership Initiative (ULI) provides the opportunity for university teams to exercise technical and organizational leadership in proposing unique technical challenges in aeronautics, defining multi-disciplinary solutions, establishing peer review mechanisms, and applying innovative teaming strategies to strengthen the research impact. Research proposals are sought in six ULI topic areas: Topic 1: Safe, Efficient Growth in Global Operations; Topic 2: Innovation in Commercial High-Speed Aircraft; Topic 3: Ultra-Efficient Subsonic Transports; Topic 4: Safe, Quiet, and Affordable Vertical Lift Air Vehicles; Topic 5: In-Time System-Wide Safety Assurance; and Topic 6: Assured Autonomy for Aviation Transformation. Deadline: May 29 – NOI; Full proposals by invite

[\*\*DoED OSEP: Educational Technology, Media, and Materials for Individuals with Disabilities Program--Stepping-up Technology Implementation\*\*](#) The purpose of the Educational Technology, Media, and Materials for Individuals with Disabilities Program (ETechM2 Program) is to improve results for children with disabilities by (1) promoting the development, demonstration, and use of technology; (2) supporting educational activities designed to be of educational value in the classroom for children with disabilities; (3) providing support for captioning and video description that is appropriate for use in the classroom; and (4) providing accessible educational materials to children with disabilities in a timely manner. Deadline: April 30

[\*\*Research Corp for Science Advancement Cottrell Scholar Award\*\*](#) The Cottrell Scholar Award (CSA) is available to early career faculty at U.S. and Canadian research universities and primarily undergraduate institutions. Eligible applicants are tenure-track faculty who hold primary or courtesy appointments in chemistry, physics, or astronomy departments that offer bachelor's and/or graduate degrees in the applicant's discipline. For the 2024 proposal cycle, eligibility is limited to faculty members who started their first tenure-track appointment anytime in calendar year 2021. Accommodations are made for faculty who have taken maternity or paternity leave, or who have experienced medical conditions or research delays that prompted a tenure clock extension. Deadline: July 1

[\*\*I/ITSEC Call for Scholarships and Abstracts\*\*](#) I/ITSEC is the world's largest modeling, simulation, and training conference, and provides the opportunity to learn the latest trends and developments from experts and researchers in training, modeling, and simulation from around the world. This notice advertises three opportunities: Request for abstracts/tutorials/workshops for the conference; Nominations for I/ITSEC Fellows; and Applications for the three postgraduate scholarships programs. Deadlines: March 8 – Abstract; April 1 – Fellows; June 21 – Post Graduate Scholarships

### 3. **Other:**

[\*\*NSF Frequently Asked Questions \(FAQs\) for the Dear Colleague Letter \(DCL\) NSF 24-063, Directorate for Computer and Information Science and Engineering \(CISE\): Approaches to Research & Development Strategic Visioning \(RDSV\)\*\*](#)