

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. 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: [DOS-ECA FY 2024 Benjamin Franklin Transatlantic Fellowship](#) The Office of Citizen Exchanges, Youth Programs Division, of the Bureau of Educational and Cultural Affairs (ECA), announces an open competition for the FY 2024 Benjamin Franklin Transatlantic Fellowship. The program will engage approximately 45 teenagers (ages 16-18) from Europe and 10 teenagers from the United States. U.S. embassies throughout Europe will recruit and select the foreign participants, and the U.S. award recipient will recruit and select the American participants. The program will focus on transatlantic relations, leadership development, critical thinking, diplomacy, community activism, and the media as ways that young adults can unite around common goals.

Internal deadline: Preproposal due in InfoReady by March 18 ([template](#))

Sponsor deadline: April 16

Limited Submission: [NRC Research and Development Grant](#) This program provides funding to support research and development (R&D) for nuclear science, engineering, technology, and related disciplines to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities and the safe handling of nuclear materials. More specifically, the program shall be used to provide financial assistance for R&D projects relevant to the programmatic mission of the NRC, with an emphasis on providing federal financial assistance with respect to research, development, demonstration, and commercial application of new and advanced nuclear technologies. Social science research will be considered under this announcement (for example, projects that would foster the development of innovative community engagement strategies, including incorporation of principles of equity and environmental justice). Only **two** applications are allowed per institution.

Internal deadline: Preproposal due in InfoReady by March 4 ([template](#))

Sponsor deadline: April 1

Limited Submission: [DOL-ETA Job Corps Information Technology Academy/Hub](#) The purpose of this program is to provide expanded career technical training and career outcomes for Job Corps students, specifically in information technology. Awardee(s) are expected to implement and test innovative training models within the general guidelines required of Job Corps, to identify approaches that could be used at scale across the program. DOL expects to serve a minimum of 1,428 students nationally through the award of one to five cooperative agreements, to awardee(s). The geographic scope of these awards is flexible, and the applicant's plan should address the specific geographic location(s), and their corresponding Job Corps center(s), which could feasibly be served. Only **one** submission is allowed per institution.

Internal deadline: Preproposal due in InfoReady by March 4 ([template](#))

Sponsor deadline: April 9

2. **Selected Funding Opportunities:**

[NSF Ideas Lab: Breaking the Low Latency Barrier for Verticals in Next-G Wireless Networks \(Breaking Low\)](#)

The *Breaking the Low Latency Barrier for Verticals in Next-G Wireless Networks (Breaking Low)* initiative will accelerate and enable new technologies and contribute to the growth of the U.S. economy in advanced wireless communications. TIP is seeking to identify and address critical architectural, technical and technological issues that must be resolved in fifth-generation (5G) and next generation (Next-G) wireless networks to provide the necessary low-latency performance that is required for the success of key emerging vertical industries. The solicitation expects robust partnerships between both academia and industry in the wireless telecom, vertical application and cloud computing sectors to co-design solutions to meet the requirements of specific low-latency verticals including rapid prototyping, testing, validation and at-scale pilot demonstrations. Deadlines: April 18 – Preliminary proposal; September 30 - Full proposal

[NSF Developmental Sciences \(DS\)](#) The Developmental Sciences program supports research that addresses developmental processes within the domains of perceptual, cognitive, social, emotional, language, and motor development across the lifespan by working with any appropriate populations for the topics of interest including infants, children, adolescents, adults (including aging populations), and non-human animals. The program also supports research investigating factors that affect developmental change, including family, peers, school, community, culture, media, physical, genetic, and epigenetic influences. The program funds research that incorporates multidisciplinary, multi-method, and/or longitudinal approaches; develops new methods, models, and theories for studying development; and integrates different processes (e.g., memory, emotion, perception, cognition), levels of analysis (e.g., behavioral, social, neural) and time scales. The program funds basic research that advances our understanding of developmental processes and mechanisms; the program does not fund clinical trials and research focused primarily on health outcomes. Deadline: July 30

[NSF Division of Environmental Biology \(DEB\)](#) The Division of Environmental Biology (DEB) Core supports research and training on evolutionary and ecological processes acting at the level of populations, species, communities, ecosystems, macrosystems, and biogeographic extents. DEB encourages research that elucidates fundamental principles that identify and explain the unity and diversity of life and its interactions with the environment over space and time. Research may incorporate field, laboratory, or collection-based approaches; observational or manipulative studies; synthesis activities; phylogenetic discovery projects; or theoretical approaches involving analytical, statistical, or computational modeling. Deadline: On-going

[NSF Multi-Messenger Coordination for Windows on the Universe \(MMC-WoU\)](#) The astrophysics community has available a diverse and powerful network of ground- and space-based instruments and facilities to enable observers to identify the electromagnetic signatures of Multi-Messenger Astrophysics (MMA) events, and then monitor and characterize their evolution. There also exists a rich set of software packages to track, schedule and support these observations. The community has identified the need to better harmonize these resources and interconnect users. The MMC-WoU program will support the development of pathways or networks to increase the coordination and optimization of follow-up observations for MMA campaigns. Deadline: May 13

[NSF Plant Genome Research Program \(PGRP\)](#) The Plant Genome Research Program (PGRP) supports genome-scale research that addresses challenging questions of biological, societal and economic importance. PGRP encourages the development of innovative tools, technologies, and resources that empower a broad plant research community to answer scientific questions on a genome-wide scale. Emphasis is placed on the scale and depth of the question being addressed and the creativity of the approach. Data produced by plant genomics should be usable, accessible, integrated across scales, and of high impact across biology. Training, broadening participation, and career development are essential to scientific progress and should be integrated in all PGRP-funded projects. There are two tracks: Research-PGR Track and TRTech-PGR Track. Deadline: On-going

[NSF Division of Integrative Organismal Systems Core Programs \(IOS\)](#) The Division of Integrative Organismal Systems (IOS) Core Programs Track supports research to understand why organisms are structured the way they are and function as they do. Proposals are welcomed in all of the core scientific program areas supported by the Division of Integrative Organismal Systems (IOS). Areas of inquiry include, but are not limited to, developmental biology and the evolution of developmental processes, development, structure, modification, function, and evolution of the nervous system, biomechanics and functional morphology, physiological processes, symbioses and microbial interactions, interactions of organisms with biotic and abiotic environments, plant and animal genomics, and animal behavior. Proposals should focus on organisms as a fundamental unit of biological organization. Deadline: On-going

[NSF Dear Colleague Letter: Supporting Computing & Networking Research for a National Discovery Cloud for Climate \(NDC-C\)](#) This program encourages research proposals to address computing, data, networking and software needs for the development of an integrated national-scale cyberinfrastructure capable of supporting end-to-end climate research and education. Proposals must be submitted to the SMALL Projects category in NSF CISE: Core Programs solicitation. Deadline: April 15

[NSF Dear Colleague Letter: Supplemental Funding Requests to Conduct U.S.-South Korea Collaborative Research on Semiconductor Chips](#) This collaborative research opportunity focuses on semiconductor chips supporting communications, sensing, control, and domain-specific computing, spanning (1) application domain (e.g., AI, next-G wireless, healthcare, transportation, power grid); (2) computing strategy domain (e.g., disaggregated systems, cloud-edge-IoT continuum, joint communication/sensing/computing); and (3) technology domain (e.g., emerging device technologies; heterogeneous and 3D integration; thermal management; in-memory computing; CMOS+X, where X can be any emerging technologies co-integrable with CMOS at both fine and coarse granularity), among other topics. Deadlines: March 18 – Expression of interest; April 29 – Request by invite

[NSF Dear Colleague Letter: NSF-Italian Ministry of Universities and Research Lead Agency Opportunity on Artificial Intelligence](#) This document provides guidelines for the preparation, submission, review, and award of joint NSF-MUR artificial intelligence proposals. Collaborative research proposals will be accepted to the Small project class of the CISE Core Programs. Proposers should review the NSF CISE and MUR programs for further information on what areas of research may be eligible for support through this activity. Deadline: On-going

[NIH Development and Validation of Human Cellular Models for Alzheimer's Disease-Related Dementias \(ADRD\) \(R01\)](#) This NOFO supports the development and validation of novel, complex, and pathophysiologically relevant human cellular models of Alzheimer's Disease Related Dementias (ADRD). The cellular model system needs to reflect multiple aspects of the human condition as much as possible, such as capturing the multiple pathologies and brain cell types observed in ADRD. Validation is required, including face and construct validity. Human cellular models could be developed and validated with the goal of supporting therapeutic development or better understanding of human disease mechanisms and mechanisms that cause predisposition or resilience to developing ADRD. Deadline: June 20

[NIH Transformative Research on the Basic Mechanisms of Polysubstance use in Addiction \(R01\)](#) This notice of funding opportunity (NOFO) will support projects proposing mechanistic studies that will transform our understanding of polysubstance use in addiction. These hypothesis-based, exploratory projects may investigate mechanisms of polysubstance use at the behavioral, cognitive, cellular, circuit, genetic, epigenetic, pharmacological and/or computational levels. Deadline: July 17

[NIH BRAIN Initiative: Scaled reagent resources for brain cell type-specific access across vertebrate species \(U01\)](#) Applications are sought for Reagent Resource for Design and Development projects that scale up the creation of these tools for several vertebrate species, including in experimental animals and human *ex vivo* tissues or cells. Projects will integrate: scaled engineering, validation, cataloguing, and adaptation into easily disseminable formats of reagents. Scaled up projects are sought that will develop tens to hundreds of cell type-selective reagents. Validated reagents produced in these projects are intended to be distributed to neuroscience researchers via centralized Production and Distribution Facilities to be supported separately. Deadline: June 14

[DOD-ONR Office of Naval Research \(ONR\) Global Research Opportunity: Global-X Challenge 2024](#) The purpose of this Global-X Challenge is to discover, and ultimately provide a catalyst through a research grant, for subsequent development and delivery of revolutionary capability to the U.S. Navy and Marine Corps, the commercial marketplace, and the public. The expected outcomes of this Global-X Challenge are promising, potentially game-changing, concepts whose technology maturity may be accelerated under separate follow-on technology development efforts. Deadlines: March 18 – White paper; May 20 – Full proposals by invite

[DOE-SC Research on General Plasma Science Collaborative Research Facilities](#) The DOE SC program in Fusion Energy Sciences (FES) hereby announces its interest in receiving new applications from U.S. researchers to carry out frontier-level plasma science research on one or more of the FES General Plasma Science (GPS) Program supported collaborative research facilities (CRFs). These include the Big Red Ball (BRB) and Madison Symmetric Torus (MST) experiments at the Wisconsin Plasma Physics Laboratory (WiPPPL) at the University of Wisconsin – Madison, the Large Plasma Device (LAPD) in the Basic Plasma Science Facility (BaPSF) at the University of California – Los Angeles, the DIII-D Frontier Science Campaign at General Atomics, the Magnetized Dusty Plasma Experiment (MDPX) at the Magnetized Plasma Research Laboratory (MPRL) at Auburn University, and the low-temperature Plasma Research Facility (PRF) at Sandia National Laboratories, and Princeton Collaborative Research Facility (PCRf) at the Princeton Plasma Physics Laboratory. Deadlines: March 29 – LOI; April 29 - Application

[USDA-NIFA Special Research Grants Program Aquaculture Research](#) The purpose of the Aquaculture Research program is to support the development of an environmentally and economically sustainable aquaculture industry in the U.S. and generate new science-based information and innovation to address industry constraints. Over the long term, results of projects supported by this program may help improve the profitability of the U.S. aquaculture industry, reduce the U.S. trade deficit, increase domestic food security, provide markets for U.S.-produced grain products, increase domestic aquaculture business investment opportunities, and provide more jobs for rural and coastal America. The Aquaculture Research program will fund projects that directly address major constraints to the U.S. aquaculture industry and focus on one or more of the following program priorities: (1) genetics of commercial aquaculture species; (2) critical disease issues impacting aquaculture species; (3) design of environmentally and economically sustainable aquaculture production systems; and (4) economic research for increasing aquaculture profitability. Deadline: April 15

[FFAR Seeding Solutions](#) Seeding Solutions encourages the development of unique partnerships that support innovative and transformative research focused on one of our Research Priority Areas: Cultivating thriving production systems, Sustaining vibrant agroecosystems, and Bolstering healthy food systems. Matching funds are required. Deadline: April 3 – Pre-applications; July 31 – Application