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

1. **Limited Submissions:**

Preproposals should be submitted via Purdue's InfoReady portal (<https://purdue.infoready4.com/>). 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 OORlimited@purdue.edu.

Limited Submission: [NSF Scholarships in Science, Technology, Engineering, and Mathematics Program \(S-STEM\)](#) The main goal of the S-STEM program is to enable low-income students with academic ability, talent or potential to pursue successful careers in promising STEM fields. Ultimately, the S-STEM program seeks to increase the number of academically promising low-income students who graduate with a S-STEM eligible degree and contribute to the American innovation economy with their STEM knowledge. Recognizing that financial aid alone cannot increase retention and graduation in STEM, the program provides awards to institutions of higher education (IHEs) not only to fund scholarships, but also to adapt, implement, and study evidence-based curricular and co-curricular activities that have been shown to be effective supporting recruitment, retention, transfer (if appropriate), student success, academic/career pathways, and graduation in STEM. NSF is particularly interested in supporting the attainment of degrees in fields identified as critical needs for the Nation. Many of these fields have high demand for training professionals that can operate at the convergence of disciplines and include but are not limited to quantum computing and quantum science, robotics, artificial intelligence and machine learning, computer science and computer engineering, data science and computational science applied to other frontier STEM areas, and other STEM or technology fields in urgent need of domestic professionals. There are three tracks: Track 1 – Institutional Capacity Building; Track 2 – Implementation: Single Institution; and Track 3 – Inter-institutional Consortia. Only **two** submissions are allowed *as lead or sub-awardee*.

Internal deadline: Preproposal due in InfoReady by October 28 ([template](#))

Sponsor deadline: March 4

Limited Submission: [NIH Team-Based Design in Biomedical Engineering Education \(R25\)](#) This FOA seeks to support programs that include innovative approaches to enhance biomedical engineering (BME) design education to ensure a future workforce that can meet the nation's needs in biomedical research and healthcare technologies. Applications are encouraged from institutions that propose to establish new or to enhance existing team-based design courses or programs in undergraduate biomedical engineering departments or other degree-granting programs with biomedical engineering tracks/minors. This FOA targets the education of undergraduate biomedical engineering/bioengineering students in a team-based environment. Health equity and universal design topics must be integrated throughout the educational activities. While current best practices such as multidisciplinary/interdisciplinary education, introduction to the regulatory pathway and other issues related to the commercialization of medical devices, and clinical immersion remain encouraged components of a strong BME program, this FOA also challenges institutions to propose other novel, innovative and/or ground-breaking activities that can form the basis of the next generation of biomedical engineering design education. Only **one** application is allowed per round.

Internal deadline: Preproposal due in InfoReady by October 28 ([template](#))

Sponsor deadline: January 29

Internal Coordination Required: [DOC-NIST FY2024 CHIPS for America](#) The purpose of the CHIPS Research and Development (R&D) programs is to advance the development of semiconductor technologies and to enhance the competitiveness of the U.S. semiconductor industry. The CHIPS R&D programs address five cross-cutting issues that were identified through interactions with stakeholders and include: Access to facilities and equipment for late-stage R&D and prototyping; Advanced packaging and testing; Advanced metrology and characterization; Advanced manufacturing technology; and Workforce development. NIST will release a series of NOFOs under this program and it is anticipated that most, if not all, will be limited submission, including those where Purdue is a sub-awardee. **Based on the complexity of this program, all submissions involving Purdue as a participant will be coordinated through OOR at all stages (white paper and full submissions) including those participating as a sub-awardee.**

Internal deadline: Contact OORLimited@purdue.edu if interested in participating in any of these NIST opportunities

Sponsor deadline: On-going

2. Selected Funding Opportunities:

REMINDER: [OOR 2024-2026 Laboratory and University Core Facility Research Equipment Program](#) The Laboratory and Core Facility Research Equipment Program sponsored by the Office of Research supports the purchase of capital research equipment in two cost categories. The goal is to address critical and strategic research equipment needs and thereby enhance the research programs of individual investigators as well as multiple investigators reliant on shared-use equipment. Applications are expected to include details on limitations of including or requesting the equipment in externally funded grants and/or information related to prior submissions to external equipment programs [e.g., NSF's Major Research Instrumentation (MRI) or NIH's S10 Instrumentation Programs].

- Type I, for equipment with allowed costs up to \$100,000 from the Office of Research. Applications due by 5PM ET on November 4
- Type II, for equipment with allowed costs between \$100,001 and \$1,000,000. Preliminary applications due by 5PM ET on October 21; Final applications due by 5PM on November 18.

Please see website for full guidelines, details, links to InfoReady for templates and forms, and FAQs including information on submission and required forms and templates. All questions should be directed to evprp-instrument@purdue.edu.

[NSF Building Synthetic Microbial Communities for Biology, Mitigating Climate Change, Sustainability and Biotechnology \(Synthetic Communities\)](#) This solicitation seeks projects that use a model synthetic microbial community to better understand the formation, maintenance or functionality of natural communities and to understand a natural community's impact on the host, when applicable. This solicitation also seeks projects that create synthetic communities with novel capabilities and aim to understand the biological underpinnings for these novel capabilities. Projects that address fundamental biological principles at any scale, from the molecular to the ecosystem scale, are welcome. Deadline: February 3

[NSF Cultural Anthropology Program Senior Research Awards](#) The primary objective of the Cultural Anthropology Program is to support fundamental, systematic anthropological research and training to increase understanding of the causes, consequences and complexities of human social and cultural variability. The Cultural Anthropology Program welcomes proposals from researchers in all sub-fields of cultural anthropology and research at any temporal or spatial scale. Methodologies and approaches employed may include ethnographic field research, surveys, remote sensing, the collection of bio-markers, experimental research inside or outside of laboratory settings, archival research, the analysis of materials collections and extant data bases, mathematical and computational modeling and other research tools as appropriate for the proposed research. Deadline: January 15

[NIH Development of Alternative Human Models of Radiation-Induced Injuries \(Extracorporeal Systems\) \(U01\)](#)

The purpose of this NOFO is to support early to mid-stage research focused on development of alternative human models of acute and/or delayed radiation-induced injuries (extracorporeal systems) to elucidate mechanisms of injury and to test medical countermeasures to treat and/or mitigate these injuries. Deadline: February 6

[NIH Centers for Precision Disease Modeling \(U54\)](#)

The goal of the Centers is to support collaborative research projects that bridge current personalized medicine efforts in human subjects with advances in animal genomics and genetic manipulation technologies, including the creation of interspecies somatic hybrids. By functionally linking these areas of research, the Centers aim to enhance the predictive value of preclinical studies through the use of precision animal models. Each Center will develop a process by which the research community can nominate unique human genomic variants for cost effective high-throughput testing in an animal model pipeline. After validation of the expected gene editing, the Centers will support assays to conduct comprehensive functional and phenotyping analyses to evaluate disease-causing variants. Deadline: December 15

[DOC-NOAA FY 2024 – 2026 Broad Agency Announcement \(BAA\), Office of Oceanic and Atmospheric Research \(OAR\)](#)

The purpose of this notice is to request applications for special projects and programs associated with NOAA's strategic plan and mission goals, as well as to provide the general public with information and guidelines on how NOAA will select applications and administer discretionary Federal assistance under this Broad Agency Announcement (BAA). Each NOAA Line Office that supports financial assistance (National Marine Fisheries Service, National Ocean Service, National Weather Service, Office of Atmospheric Research, Office of Education, and National Environmental Satellite Data Information Service) has a separate BAA found in Grants.gov, so applicants should submit their application to the BAA for the Line Office that best fits their application. Deadline: Varies

[NASA-ROSES Mentorship and Opportunities in STEM with Academic Institutions for Community Success \(MOSAICS\) Seed Funding](#)

Through the MOSAICS Seed Funding (MSF) opportunity, SMD aims to facilitate new and expand ongoing collaborations between students and faculty at URIs and researchers at NASA Centers or Facilities that could be expected to grow into collaborations well-positioned to submit future proposals. Deadline: March 28

[USDA-FS Opportunities](#) Recent postings from Forest Service

- **[Recreation Sites and Visitor Services: Creating Quality Recreation Experiences](#)** Deadline: February 7
- **[Partnership to Reach and Engage Underrepresented Audiences in a "Fit-for-Purpose" Outdoor Recreation Effort](#)** Deadline: February 7
- **[Grassland Ecological Potential and Restoration Effectiveness Evaluation](#)** Deadline: February 7
- **[Heritage Site Protection](#)** Deadline: February 7
- **[Heritage Interpretive Assistance](#)** Deadline: February 7
- **[Partnerships for Aquatic and Watershed Restoration \(PAWR\)](#)** Deadline: February 7
- **[Bioacoustics Monitoring for Wildlife Management](#)** Deadline: February 7
- **[Revegetation with Native Plants](#)** Deadline: February 7
- **[Wildlife Habitat Fencing](#)** Deadline: February 7
- **[Wildlife Habitat Enhancement](#)** Deadline: February 7
- **[At-Risk Plants and Pollinators and their Ecological Conditions](#)** Deadline: February 7

[DoED-OSEP Personnel Development to Improve Services and Results for Children with Disabilities--Preparation of Early Intervention and Special Education Personnel Serving Children with Disabilities who have High-Intensity Needs](#)

The purposes of this program are to (1) help address State-identified needs for personnel preparation in early intervention, special education, related services, and regular education to work with children, including infants, toddlers, and youth with disabilities; and (2) ensure that those personnel have the

necessary skills and knowledge, derived from practices that have been determined through scientifically based research, to be successful in serving those children. Deadline: December 3

[DoED-OSEP Personnel Development to Improve Services and Results for Children with Disabilities--Preparation of Special Education, Early Intervention, and Related Services Leadership Personnel](#) The purposes of this program are to (1) help address State-identified needs for personnel preparation in special education, early intervention, related services, and regular education to work with children, including infants and toddlers, with disabilities; and (2) ensure that those personnel have the necessary skills and knowledge, derived from practices that have been determined through scientifically based research and experience, to be successful in serving those children. Deadline: November 2

[NEH Sustaining Cultural Heritage Collections](#) This program helps cultural institutions meet the complex challenge of preserving large and diverse holdings of humanities materials for future generations by supporting environmentally sustainable preventive care measures that mitigate deterioration, prolong the useful life of collections, reduce energy consumption, and strengthen institutions' ability to anticipate and respond to disasters. Deadline: January 10

[Chan Zuckerberg Initiative Science Diversity Leadership Award](#) The Chan Zuckerberg Initiative invites applications for a five-year funding grant (2025–2030) that supports excellent biomedical researchers with a record of promoting diversity, equity, and inclusion in their scientific field. Contact Stephanie Merrill, SJMerrill@purdueforlife.org if interested in this opportunity. Eligible applicants will hold a MD, PhD, ScD, MD/PhD, DDM, DVM, or equivalent degree or faculty position. First independent position should be after October 3, 2014 and before October 3, 2021. Deadlines: December 3 – LOI; April 8 – Application by invite

3. **Other:**

[HHS ARPA-H Proposers' Day Announcement for ARPA-H Computational ADME Tox AnaLYsis for Safer Therapeutics \(CATALYST\)](#) The CATALYST team invites potential proposers to review the attached Special Notice that provides information related to the CATALYST Proposers' Day taking place October 29, 2024. ARPA-H is looking for proposals across three technical areas: 1) Data discovery and deep learning methods for drug safety models, 2) Living systems tools for model development, and 3) In silico models of human physiology. The hybrid and in-person event will take place in Cincinnati, OH. The event is intended to facilitate teaming and foster a greater understanding of the CATALYST Program and the upcoming ISO. After reviewing the attached Proposers' Day information, interested parties are encouraged to register at <https://solutions.arpa-h.gov/CATALYST> by October 25.

[NSF Webinar: Science and Technology Centers Informational Webinar](#) Topics will include an NSF overview of partnerships within the STC program, partnership examples from current STCs and partner organizations, and a Q&A session. The webinar will be held on October 17, 3-4:30PM EDT.

[NSF Webinar: Introducing the NSF Safe-OSE Program](#) In this webinar, NSF program officers will outline the Safe-OSE program and describe the procedures and timeline for submitting proposals. Thursday, October 10, 2PM EDT

[NSF Webinar: Molecular Foundations for Sustainability: Sustainable Polymers Enabled by Emerging Data Analytics \(NSF MFS-SPEED\) Webinar](#) In this webinar, NSF program directors will outline the program and describe the procedures and timeline for submitting proposals, followed by a moderated question-and-answer session. Representatives from industrial partners associated with the MFS-SPEED program will also be in attendance. The webinar will be held on October 18, 3-4PM EDT.

[NIST Request for Information: Implementation Roadmap for the U.S. Government National Standards Strategy for Critical and Emerging Technology](#) Comments due by December 9