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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: [DOE-EERE Smart Manufacturing Technologies for Material and Process Innovation](#) This FOA seeks applications to address the development of smart manufacturing technologies—including through “smart RD&D” – that can contribute to a resilient, responsive, leading-edge, and efficient manufacturing sector that delivers the technologies needed for the nation's clean energy transition. This FOA applies smart manufacturing across four topic areas: 1. Smart Manufacturing for a Circular Economy; 2. Smart Manufacturing of Tooling and Equipment for Sustainable Transportation; 3. Smart Manufacturing for High Performance Materials; and 4. Smart Technologies for Sustainable and Competitive U.S. Mining. Cost share is required of at least 20% of total project cost, *except* for Topic 1 – Area of Interest 3, which requires no cost share for IHEs. Only **one** application is allowed **per topic area**.

Internal deadline: Preproposal due in InfoReady by August 5 ([template](#))

Sponsor deadline: August 22 – Concept paper; November 18 – Full application

Limited Submission: [DOC-NIST FY2024 Manufacturing USA Institute – AI for Resilient Manufacturing](#) This NOFO is a call for applications to establish and operate a Manufacturing USA institute focused on the use of artificial intelligence (AI) to strengthen the resilience of U.S. manufacturers. Through this competition, NIST expects to select an applicant or applicant team most capable of establishing and leading a public-private partnership that will integrate expertise in AI, manufacturing processes, and supply chain networks to conduct applied R&D projects that address industry-wide needs for innovation leading to greater resilience of manufacturing systems. The AI MFG USA institute is also expected to cultivate the development of a world-leading workforce needed to deploy institute-developed AI technologies into industrial use. The award will provide financial resources to establish the AI MFG USA institute, conduct startup activities and operate a national effort to accelerate manufacturing innovation and increase U.S. global competitiveness. Cost sharing is required at 50% or more of the total funding. A Proposers Day will be held on August 20. Only **one** application is allowed as lead but entities may partner on multiple proposals.

Internal deadline: Preproposal due in InfoReady by August 5 ([template](#))

Sponsor deadlines: September 30 – Concept paper; January 23 – Full application by invite

Limited Submission: [USDA-FAS Assisting Specialist Crop Exports: Provision of MRL Information](#) This opportunity is available to eligible trade organizations and not-for-profit enterprises and is intended to assist farmers, ranchers, and agribusinesses preparing products for export to understand the requirements for maximum residue limits for products in overseas markets.

Under this award, the recipient will facilitate ready access to MRL information, in order to enable U.S.-based food and agriculture producers, agribusinesses, and exporters, U.S.-based researchers, and groups representing U.S. agriculture stakeholders to understand requirements in diverse markets; and assist them in understanding how to interpret those requirements. Only **one** application is allowed.

Internal deadline: Preproposal due in InfoReady by August 12 ([template](#))

Sponsor deadlines: October 18

Limited Submission: [DOS-EB International Technology Security and Innovation \(ITSI\) Fund Philippines, Costa Rica, Vietnam, and Mexico](#) The U.S. Department of State Bureau of Economic and Business Affairs (EB) announces an open competition for organizations to submit a statement of interest (SOI) to carry out a program under the International Technology Security and Innovation (ITSI) Fund, created by the CHIPS Act of 2022. The CHIPS Act established the ITSI Fund “to support the development and adoption of secure semiconductors, [and] semiconductor supply chains” with the goal to make the global semiconductor supply chain more resilient, diversified, and secure. EB administers a portion of the ITSI Fund, the “ITSI Promote” line of effort, to help expand international semiconductor assembly, testing, and packaging (“ATP” or “downstream”) capacity in key partner countries that will in turn diversify the global semiconductor supply chain. The goal of this program is to bring that capacity online in ways that will be beneficial to the new U.S. semiconductor manufacturing facilities as well as our allies and partners. There are two categories: *Workforce Development* and *Policy and Regulatory Reform*. **For each of the four countries**, organizations may submit no more than **two** statements of interest (SOIs) and only **one** SOI per category.

Internal deadline: Purdue is currently forming teams in response to these programs. Contact OORLimited@purdue.edu by **Wednesday, July 31** if interested in participating in any of these opportunities. Specify country and category of interest.

Sponsor deadline: August 16

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:

[NSF Dear Colleague Letter: Planning Grants to Create Artificial Intelligence \(AI\)-Ready Test Beds](#) Planning Grants funded through this DCL are expected to cultivate research teams that actively address the expansion or enhancement of an existing test bed to evaluate the impact on and interaction with users of novel AI methods. Proposers supported through this DCL may use the funding to organize activities that help stimulate the

formation of AI-Ready Test Bed teams and crystalize the ideas and research plans to be presented in a future AI-Ready Test Bed proposal. Deadline: November 13

[NSF Dear Colleague Letter: NAIRR Pilot Expansion: Researcher Training, Community Outreach, and Classroom Education](#) This Dear Colleague Letter (DCL) announces the interest of NSF in receiving proposals that expand the National Artificial Intelligence Research Resource (NAIRR) Pilot community under two different focus areas, one focus area on community outreach and training to new and emerging *researchers*, and the other focus area on *educators* bringing inclusive AI-educational experiences to classrooms nationwide. Prior to submitting a proposal or a supplemental request for either focus area, prospective principal investigators are required to submit a 1-2 page concept outline to confirm appropriateness of fit with this DCL. Deadline: December 15

[NSF Dear Colleague Letter: Supplemental Funding Requests to Conduct Experimental Research on the NSF-funded Platforms for Advanced Wireless Research \(PAWR\)](#) With this Dear Colleague Letter (DCL), the NSF's Directorate for Computer and Information Science and Engineering (CISE) wishes to notify the community of its intention to support supplemental funding requests for active research awards to conduct experimental research on the NSF-funded Platforms for Advanced Wireless Research (PAWR). The supplemental funding request budget may be up to \$60,000, with higher amounts requiring additional justification. The requested amount must be less than one-fifth of the original award. Deadline: On-going

[NIH Innovative Programs to Enhance Research Training \(IPERT\) \(R25\)](#) NIGMS will support innovative educational activities designed to equip participants with technical, operational, or professional skills required for careers in the biomedical research workforce. Activities must be open to the broader biomedical research community and may focus on participants at one or more career stages from undergraduates to professionals (for example faculty, staff scientists). Funded programs will have a robust program leadership structure, participant recruitment plan, and evaluation and dissemination plans. Deadline: October 17

[NIH Translating Socioenvironmental Influences on Neurocognitive Development and Addiction Risk \(TransINDA\)](#) The goal of this notice of funding opportunity (NOFO) is to seek applications proposing team-science research projects aimed at longitudinal research designs in animal models and advanced neuroscience and theoretical tools to elucidate mechanisms mediating the impact of the early-life social environment on neurobehavioral development and the risk for substance use disorders (SUD) and their comorbidities in adolescence and adulthood.

- **[U01](#)** Deadline: November 7
- **[U24](#)** Deadline: December 3

[NIH Materials to Enhance Training in Experimental Rigor \(METER\) \(UE5\)](#) The NINDS Materials to Enhance Training in Experimental Rigor (METER) UE5 will support curriculum development in the form of innovative educational materials that will be incorporated into a new cutting-edge online resource that aims to promote awareness, understanding, and practice of fundamental principles of rigorous biomedical research for researchers and other scientists in various career stages and learning environments. NCI encourages applications that pursue innovative approaches to identifying, understanding, and developing strategies for overcoming barriers to the adoption, adaptation, integration, scale-up, and sustainability of evidence-based interventions, tools, policies, and guidelines in low-resource settings. The research projects on which these applications will be based should be focused on dissemination and implementation research for the primary and secondary prevention of cancer in LMICs and/or in populations facing conditions of vulnerability in HICs. Deadline: October 10

[NIH Notice of Special Interest \(NOSI\): Understanding the Immune Functions of DEAD/H-box Helicases](#) This NOSI encourages innovative research on the role of DEAD/H-box helicases in immune homeostasis and activation/function at steady state and in response to immune-mediated or infectious diseases. The scientific objectives of this NOSI include: Supporting the investigation of the role of DEAD/H-box helicases in innate immune sensing and in the modulation of innate and adaptive immune signaling pathways and gene expression; and Improving our understanding of the mechanisms by which DEAD/H-box helicases control immune cell

development, proliferation, migration, composition, and function. Applicants are encouraged to establish collaborations among immunologists, systems biologists, microbiologists, virologists, hematologists, and infectious disease experts to expand our knowledge of the function of DEAD/H-box helicases in the immune system. Deadline: October 5

[NIH Notice of Special Interest \(NOSI\): Dissemination and Implementation Science for Cancer Prevention and Control in Low Resource Environments](#) The purpose of this NOSI is to inform potential applicants of the interest of the National Cancer Institute (NCI) in supporting implementation research related to cancer prevention and control in low- and middle-income countries (LMICs). Deadline: October 5

[NIH Notice of Special Interest \(NOSI\): Maximizing the Scientific Value of Secondary Analyses of Existing Cohorts and Datasets in Order to Address Research Gaps and Foster Additional Opportunities in Aging Research](#) The goal of this NOSI is to encourage the use of existing cohorts and datasets for well-focused secondary analyses to investigate novel scientific ideas and/or address clinically related issues on: (1) aging changes influencing health across the lifespan (e.g., Alzheimer's disease (AD) and Alzheimer's disease-related dementias (ADRD)), (2) diseases and disabilities in older persons, and/or (3) the changes in basic biology of aging that underlie these impacts on health (the hallmarks of aging). Activities of high priority include those addressing specific hypotheses in basic biological research, clinical aging research, behavioral or social research, and/or translational geroscience to inform: the design and implementation of future epidemiologic or human intervention studies; interventions in animal models of aging; research on behavioral and social factors over the life course that influence health (e.g., early life adversity); current geriatric practice in maintenance of health, disease management, and prevention of disability; or research testing of possible causal relationships between rates of aging and findings extracted by secondary analysis of the existing data. Deadline: October 5

[NIH Notice of Special Interest \(NOSI\): Systems Modeling of Infection and Immunity Across Biological Scales](#) A goal of this NOSI is to advance computational modeling approaches and technologies focused on infectious, allergic, and/or immune-mediated diseases across different biological scales. Projects will also have the opportunity to collaborate with the NIAID CoE for Systems Modeling of Infection and Immunity across Biological Scales. Deadline: October 5

[DOE-EERE Connected Communities 2.0: Innovations to Manage Growing Transportation, Building and Industrial Loads to the Grid](#) This FOA is designed to address major new loads from transportation, industry, and buildings on the electric grid by providing new tools for users, planners, and operators of the electric grid. This FOA has two major topical areas: 1. Connected Communities 2.0, focused on technical measures at the grid edge in buildings, industry, and transportation to prepare the electric grid for these new loads, and improve the resilience of customers and the grid; and 2. Smart Charge Management (SCM), focused on various unique urban, suburban, and rural use cases to build confidence in SCM as an effective approach for electric vehicles (EVs) to provide flexibility and value to the electric grid. This FOA will support research, development, and demonstration (RD&D) at the grid edge – the portion of the electric grid between the feeder and the plug – to evaluate how to right size future electricity infrastructure using various technical measures, which can also improve customer benefits and grid resilience. An informational webinar will be held on July 29 at 10:30AM ET. Deadlines: August 20 – Concept paper; October 10 – Full Application

[DOC-NOAA FY25 NOAA Marine Debris Removal under the Bipartisan Infrastructure Law](#) The overall objective of this funding opportunity is to support impactful, large marine debris removal projects that will improve the resilience of the coastal and marine environment. This competition considers impactful projects to be those that will have long-lasting, transformational benefits to marine and coastal NOAA Trust Resources, coastal communities, and/or local economies. Deadlines: September 27 – LOI; January 31 – Full proposal by invite

[DOC-NOAA FY25 NOAA Marine Debris Interception Technologies under the Bipartisan Infrastructure Law](#) The overall objective of this funding opportunity is to support the installation, monitoring, and maintenance of proven marine debris interception technologies to benefit marine and coastal NOAA trust resources. Deadlines: October 9 - LOI; February 7 – Full proposal by invite

NASA-ROSES TEMPO/ACX Science and Applications Team This program element solicits proposals for membership to the joint TEMPO/ACX Science and Applications Team. This team supports basic research and analysis activities associated with the production, validation, utilization, and application of TEMPO products. Deadlines: August 30 – Step 1; October 18 – Step 2

NASA-ROSES Heliophysics Flight Opportunities for Research and Technology The Heliophysics Flight Opportunities in Research and Technology (H-FORT) program seeks to fund science and science-enabling investigations that use platforms that include SmallSats (including CubeSats) and Hosted Rideshare Payloads, such as International Space Station (ISS)-attached payloads. The program encourages the development of technologies that will enable investigation of heliophysics science questions. All proposed investigations must be responsive to NASA Heliophysics Science Goals. Deadline: September 20

NASA-ROSES Heliophysics U.S. Participating Investigator The Heliophysics U.S. Participating Investigator (H-USPI) program element solicits potential Heliophysics investigations in which investigators participate as a Co-Investigator (Co-I) for an instrument, experiment, or technology demonstration that is being built and flown by a sponsor agency other than NASA. Deadlines: January 29 – Step 1; April 9 – Step 2

NASA-ROSES Interdisciplinary Consortia for Astrobiology Research The goal of NASA's Astrobiology program is the study of the origins, evolution, and distribution of life in the Universe. It is central to NASA's continued exploration of our solar system and beyond. Research is centered on the origin and early evolution of life, the potential of life to adapt to different environments, and the implications for life elsewhere. Deadlines: September 24 – Step 1; January 16 – Step 2