

****** 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. **** Previous newsletters can be accessed at:** <https://www.purdue.edu/research/oevrp/funding-and-grant-writing/funding/emails.php>.

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 Major Research Instrumentation Program (MRI) An MRI award supports the acquisition of a *multi-user* research instrument that is commercially available through direct purchase from a vendor, or for the personnel costs and equipment that are required for the development of an instrument with new capabilities, thereby advancing instrumentation capabilities and enhancing expertise for instrument design and fabrication at academic institutions. MRI instruments are, in general, too costly and/or not appropriate for support through other NSF programs. An MRI award is expected to enhance research training of students who will become the next generation of instrument users, designers and builders. Up to **four** submissions are allowed per institution for either acquisition or development in the following tracks: two in Track 1 (\$100k to < \$1.4M); one in Track 2 (\$1.4M to \$4M); and one in Track 3 (\$100k to \$4M that include the purchase, installation, operation, and maintenance of equipment and instrumentation to conserve or reduce the consumption of helium). **Subawards count against this limit unless acting as an unfunded participant on an acquisition proposal or participation is 20% or less of the total budget request on a development proposal.** There is no cost-share requirement.

Internal deadline: Preproposal due in InfoReady by July 29 ([template](#))

Sponsor deadline: November 15

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 Computer and Information Science and Engineering : Core Programs](#) The NSF CISE Directorate supports research and education projects that develop new knowledge in all aspects of computing, communications, and information science and engineering, as well as advanced cyberinfrastructure, through the following core programs: Division of Computing and Communication Foundations (CCF); Division of Computer and Network Systems (CNS); Division of Information and Intelligent Systems (IIS); and Office of Advanced Cyberinfrastructure (OAC). Proposers are invited to submit proposals in several project classes: Small Projects; Medium Projects; or OAC Core Projects. Deadlines: October 1-October 23 – OAC Core and Medium Projects; October 1-September 30, 2025 – Small Projects

[NIH Halting Tuberculosis \(TB\) Transmission \(R01\)](#) The purpose of this NOFO is to understand the critical drivers of tuberculosis (TB) transmission at the individual and population levels in high-burden settings; to develop effective methods to measure rates of TB transmission that rely on an increased understanding of the biomedical basis of transmission and related risk factors; and assess potential interventions, including low-cost and low-tech options, to prevent TB transmission and detect infectious TB. Deadline: December 4

[NIH Archiving and Documenting Child Health and Human Development Data Sets \(R03\)](#) The purpose of this notice of funding opportunity (NOFO) is to invite R03 applications to support archiving and documenting existing data sets in order to enable secondary analysis of these data by the scientific community. The priority of this program is to archive data sets within the scientific mission of the NICHD; highest priority is to archive data collected with NICHD support. Deadline: October 16

[NIH Examining the Impact of Artificial Intelligence \(AI\) on Healthcare Safety \(R18\)](#) The purpose of this NOFO is to invite grant applications that support healthcare safety by determining (1) whether and how certain breakthrough uses of Artificial Intelligence (AI) systems can affect patient safety; and (2) how AI systems can be safely implemented and used. AI has the potential to improve the safety, effectiveness, efficiency, accessibility, and affordability of healthcare. However, as with most technologies, this potential must be balanced by identifying and mitigating potential risks for patient harm and user burden. Deadline: September 25

[NIH Genetic Architecture of Mental Disorders in Ancestrally Diverse Populations II \(U01\)](#) The following NOFO seeks cooperative agreements proposing coordinated efforts to accelerate gene discovery for psychiatric disorders in cohorts of non-European ancestry to advance our understanding of the genetic architecture of mental illnesses across ancestrally diverse global populations. Deadline: October 11

[NIH Notice of Special Interest \(NOSI\): Understanding the Basic Mechanisms of Immune-related Adverse Events \(irAEs\) in Cancer Immunotherapy](#) The overall goal of this Notice of Special Interest (NOSI) is to promote mechanistic research aimed at better understanding the pathophysiology of immune-related adverse events (irAEs). It is anticipated that the mechanistic research supported through this NOSI will build the foundational knowledge which will ultimately lead to better strategies to predict, prevent and/or ameliorate toxicities that can arise as a consequence of current immunotherapeutic regimens, and improve treatment outcomes. The proposed research can be basic or translational but should be focused on revealing the mechanisms underlying irAEs. Single investigators and/or multidisciplinary teams with relevant expertise in the research area proposed and/or patient characterization and selection are encouraged to apply. Deadline: Varies

[DOE APRA-E Technologies to Emend and Obviate Synthetic Nitrogen's Toll on Emissions \(TEOSYNTE\)](#) The TEOSYNTE program aims to lower nitrous oxide (N₂O) emissions from the cultivation of corn and sorghum used for United States ethanol production by 50%. The program will emphasize plant and microbial bio-design strategies that lower the application of synthetic nitrogen (N) fertilizer on corn and sorghum fields while maintaining crop yields and reducing 50% of N₂O emissions. Lowering the requirements of synthetic N fertilizer will also lower costs to farmers, as the cost of fertilizer is a significant portion of the operating expenses of a farm. This program will enable technologies to reduce N fertilizer consumption and N₂O emissions. These technologies will transform agriculture and lower the N₂O contribution to the carbon intensity (CI) of ethanol produced today for light duty vehicles and in the future for sustainable aviation fuel. Technologies developed

under the TEOSYNTE program must achieve specific targets as outlined in Section I.E. in order to meet the program's objectives to reduce greenhouse gas (GHG) emissions and N fertilizer usage over multiple seasons while maintaining crop yields. Deadlines: August 13 – Concept paper; TBD – Full applications

DOE ARPA-E Nuclear Energy Waste Transmutation Optimized Now (NEWTON) The NEWTON program will support the research and development of technologies that enable the transmutation of used nuclear fuel (UNF) to alleviate the impact of storage in permanent disposal facilities. This program seeks to fund the development of novel technologies that increase the overall capacity factor, power output, and efficiency of particle generation systems (including but not limited to proton, neutron, and/or photon), by reducing beam trip magnitude and duration (referred to as loss of beam). Additional technologies will focus on increasing the throughput of transmutation by developing target materials that maximize transmutation rates and are easily processible to remove the transmuted material. Deadlines: August 16 – Concept paper; TBD – Full application