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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: [NIH Modern Equipment for Shared-use Biomedical Research Facilities: Advancing Research-Related Operations \(S15\)](#) This NOFO invites eligible academic or research institutions to apply for funding support to purchase latest scientific equipment that will enhance and modernize research-supporting operations of existing shared biomedical research facilities. Targeted are laboratory research core facilities, animal research facilities, and other similar shared-use research spaces. The goal of this NOFO is to strengthen research-auxiliary activities of biomedical research facilities and to enhance the efficiency of their operations. The NOFO does not support the purchase of scientific research instruments or their components, nor components of building-level infrastructure equipment that indirectly support research activities. Only **one** submission is allowed per institution.

Internal deadline: Preproposal due in InfoReady by August 26 ([template](#))

Sponsor deadline: September 25

Limited Submission: [University Consortium for Applied Hypersonics \(UCAH\): Project Call](#) The Office of the Under Secretary of Defense (OUSD), Research and Engineering (R&E) Joint Hypersonics Transition Office (JHTO), in partnership with Texas A&M Engineering Experiment Station (TEES) and the UCAH, is soliciting for Prototype Project Proposals (PPPs) supporting projects that will accelerate hypersonics technology development, develop the nation's future hypersonics workforce, and facilitate the transition of ready technologies into operational capabilities. The project topics include: TOPIC 1: Rotating Detonation Engine Advancement; TOPIC 2: Durable seals for extreme environments; TOPIC 3: Seeing through high-speed turbulence for EO seekers; TOPIC 4: Directed Energy - Non-kinetic methods for integrated air and missile defense (IAMD); and TOPIC 5: UCAH 2024 Grand Challenge - Jet Interaction in Hypersonic Flight. Only **two** applications are allowed in any combinations except only **one** submission can be submitted to TOPIC 5.

Internal deadline: Preproposal due in InfoReady by August 26 ([template](#))

Sponsor deadlines: October 11 – Notice of Intent; November 15 - Proposal

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: UKRI/BBSRC- NSF/BIO Lead Agency Opportunity in Biological Informatics, Systems Understanding of Host-Microbe Interactions, Synthetic Cells and Cellular Systems, and Synthetic Microbial Communities](#) Through this Dear Colleague Letter (DCL), the NSF Directorate for Biological Sciences (NSF/BIO) and the UKRI Biotechnology and Biological Sciences Research Council (BBSRC) are pleased to announce 2024/2025 topical areas associated with this Lead Agency Opportunity. The goal of this activity is to promote transatlantic collaborative research by reducing some of the barriers that researchers may encounter. The NSF/BIO-UKRI/BBSRC Lead Agency Opportunity allows U.S. and U.K. researchers to submit a single joint proposal that will undergo a single review process. Proposers are invited to submit proposals to the Lead Agency Opportunity in 2024/2025 under one of the following research themes: Biological Informatics; Understanding host-microbe interactions; Synthetic Cells and Cellular Systems; and Synthetic Microbial Communities. Deadlines: October 31 – Expression of Interest; February 28 – Full proposal

[NSF Dear Colleague Letter: Strengthening the Evidence Base Related to Broadening the Participation of LGBTQI+ Individuals in STEM](#) This DCL aims to advance NSF's Vision of a "nation that leads the world in science and engineering research and innovation, to the benefit of all, without barriers to participation", which is closely aligned with the NSF 2022-2026 Strategic Plan and the Sexual Orientation and Gender Identity (SOGI) Data Action Plan. NSF is fully committed to the development of a future-focused science and engineering workforce that draws on the talents of all Americans, including those in the lesbian, gay, bisexual, transgender, queer, and intersex (LGBTQI+) communities. This DCL encourages four proposal types: Proposals for fundamental, use-inspired, and/or translational research and/or research syntheses; Proposals to design and deliver new conferences, colloquia, and workshops focused on research that advances education and workforce development activities related to building and/or applying the evidence base related to SOGI; Group travel proposals to support participation in existing or planned meetings and conferences aligned with the goals of this DCL; Proposals to fund activities aligned with the goals of this DCL and associated with increasing access, engagement, inclusion, and/or belonging in STEM research, workforce development, and education. Deadline: Varies

[NIH Promoting Innovative Research in *Treponema pallidum* Pathogenesis \(R21\)](#) The purpose of this NOFO is to support basic and exploratory research projects to advance our understanding of *Treponema pallidum* bacterial pathogenesis. Deadline: November 4

[NIH Functional Validation and/or Characterization of Genes or Variants Implicated in Substance Use Disorders \(R21/R33\)](#) The purpose of this initiative is to support projects which exploit genome or epigenome editing to functionally validate and characterize genes or variants involved in substance use disorder-relevant phenotypes. It is expected that any genetic resources generated will be made broadly available to the scientific community to enable investigation of the relevant neurobiological mechanisms involved and provide critical foundational knowledge for the development of future prevention, diagnostic, and therapeutic strategies. Deadline: March 3

[DOD-DARPA Machine learning and Optimization-guided Compilers for Heterogeneous Architectures \(MOCHA\)](#) MOCHA seeks to build a new generation of compiler technology to realize the full potential performance of heterogeneous architectures. MOCHA will develop data-driven methods, Machine Learning, and advanced optimization techniques to rapidly adapt to new hardware components with little human effort and facilitate optimal allocation of computation to heterogeneous components. A Proposers Day will be held on August 5. Deadlines: August 22 – Abstract; September 26 - Proposal

[DOE-NETL Critical Facility Energy Resilience \(CiFER\)](#) This FOA will fund the advancement of innovative storage technologies from early-stage R&D to widespread commercialization and deploy an innovative energy storage technology at a host site with identified resiliency needs at the required scale, performance, and technology maturity level appropriate to advance technology maturity level appropriate to advance technology towards commercialization. Deadline: October 4

[USDA-NRCS Model Intercomparison and Improvement for Carbon Sequestration and Greenhouse Gas Emission Estimation from Agriculture](#) The U.S. Department of Agriculture (USDA) is announcing this funding opportunity for a cooperative agreement to support the coordination, implementation, and management of model intercomparison studies in agricultural systems. The model intercomparison study supports the Inflation Reduction Act (IRA) Greenhouse Gas (GHG) Quantification efforts. The purpose of the cooperative model intercomparison study is to assess and advance the state of science for carbon (C) sequestration and GHG emission modeling for agriculture. Soil C sequestration and GHG emissions in cropland and grassland systems and their interactions with different climate-smart mitigation practices will be the focus of the study. Deadline: October 4

[NEH Collaborative Research](#) This program supports groups of two or more scholars seeking to increase humanistic knowledge through convenings, manuscript preparation for collaborative publications, the creation of scholarly digital projects, or the planning of an international collaboration. Projects must pursue significant research questions and lead to a tangible interpretive product. The work can be rooted in a single field or cross disciplines. NEH encourages collaboration with scholars working in the natural or social sciences, but projects must focus on humanistic content and employ humanistic methods. Deadline: November 20

3. Anticipated Funding Opportunities

[DOE Notice of Intent \(NOI\) related to Aligning Manufacturability & Pre-production Design \(AMPD\) for Storage Technologies](#)

4. Other:

[DOE-DARPA Fall 2024 Discovery DSO Day \(D3\)](#) DARPA Defense Sciences Office (DSO) will host a Discover DSO Day (D3) on **October 3-4, 2024**, in Boston, MA. The event will give a general overview of DARPA, DSO, and contracting with DOD. It is a unique opportunity for unfamiliar faculty to learn how best to work with DARPA and DSO, as well as connect with other researchers. Registration is now open and will close on **September 18, 2024, at 5:00 PM ET** or when capacity is reached. Registrants must pay a \$125 fee to participate in Day One and a \$75 fee to participate in Day Two. Advanced registration is required for attendance and is restricted to 250 participants. The registration website can be found [here](#).

Office of Research upcoming funding opportunities

- **[SPARK Program \(Supporting Partnering for Advanced Research teamwork\)](#)**: new this year, there will be one application deadline for interdisciplinary teams pursuing large, competitive center grants. Applications for up to \$100,000 are due Oct. 14 by 5 p.m. ET.
- **[Federal Appropriation Requests](#)**: faculty members (tenure-track/tenured, research, clinical) from all campuses are eligible to submit projects for consideration by 5 p.m. ET on Sept. 16. An informational webinar about this new federal appropriation request process will be held on Aug. 29 at 3 p.m. ET. The webinar will be recorded and the link posted on the website. Application and webinar details are available on the Federal Appropriation Request Process website.
- **[Clifford B. Kinley Trust](#)**: faculty from West Lafayette an Indianapolis (tenure-track/tenured, research, clinical) are eligible to submit pre-proposals by 5 p.m. ET on Oct. 21.
- **[Ralph W. and Grace M. Showalter Research Trust](#)**: Faculty (tenure-track, research) from West Lafayette and Indianapolis holding a rank of assistant professor are eligible to submit pre-proposals by 5 p.m. ET on Oct. 28. An informational webinar will be held Sept. 11. Sign-up, application and webinar details are available on the Showalter Trust webpage.

- **Purdue NIH Incentive programs:** new this year, there will be one application deadline of Dec. 6 by 5 p.m. for tenure-track/tenured and research faculty seeking NIH incentive funding:

[NIH New R01 Program](#)

[NIH Competing Renewal R01 Program](#)

New NIH Pilot Program coming soon!

- **[Purdue Research Bridge Program](#):** Applications continue to be accepted for this program, which helps cover short-term funding gaps to maintain research programs at minimum essential levels. The goal is to increase the likelihood of external funding renewal. The program requires a one-to-one match and active pursuit of external funding by faculty.