October 2, 2024

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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 Biomedical Research Facilities (C06)*** This NOFO invites applications from eligible academic and research institutions to apply for funding to modernize existing or construct new biomedical research facilities. The goal of this NOFO is to modernize biomedical research infrastructure to strengthen biomedical research programs. Each project is expected to provide long-term improvements to the institutional research infrastructure. Intended projects are the construction or modernization of core facilities and the development of other shared research infrastructure serving an institution-wide research community with broad impact on biomedical research. Only ***one*** submission is allowed.

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

   Sponsor deadline: January 27

   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**:

   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 Inforeadyfor 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 Geospace Cluster (AGS-GC) The Geospace Cluster supports fundamental and solutions-oriented research, technology development and education related to the Earth's near-space environment (including the mesosphere, thermosphere, ionosphere, exosphere, magnetosphere and radiation belts) and the inner heliosphere and solar atmosphere. The GC advances knowledge of the Sun--Earth system, including how various parts of the system are coupled through dynamical, electrodynamical and chemical processes. The GC supports research on the societal impacts of these processes including space weather and upper atmosphere climate change, with the aim of increasing resilience to such natural hazardsand research that uses ground-based or space-based observational facilities and instruments as well as data centers and a broad range of theoretical, modeling, observational, data analyses and laboratory activities. Deadline: On-going

NSF Infrastructure Cluster (AGS-IC) The Atmospheric and Geospace Sciences (AGS) Infrastructure Cluster (IC) is responsible for the oversight of facilities that enable research in the atmospheric and geospace sciences. The IC primarily oversees the NSF National Center for Atmospheric Research (NCAR), but it also supports community-based instrumentation and facilities, and data storage and provisioning. Deadline: On-going

NSF Atmosphere Cluster (AGS-IC) The Atmosphere Cluster (AC) supports fundamental studies of atmospheric processes from the Earth's surface to the stratosphere, and from timescales of nanoseconds to millennia. Core areas of research include the chemical, physical, and dynamical processes in the atmosphere that impact clouds, weather, climate, air quality, and the water cycle. Research methods include modeling, collecting observations, conducting experiments in the laboratory and field, and advancing analytical measurement techniques. Deadline: On-going

NSF Dear Colleague Letter: NSF-UKRI/EPSRC Lead Agency Opportunity on Understanding and Exploiting Quantum Information in Chemical Systems The goal of this activity is to promote transatlantic collaborative research by reducing some of the barriers that researchers may encounter in collaborative work. The lead agency opportunity allows U.S. and U.K. researchers to submit a single proposal describing a project involving both U.S. and U.K. groups. The proposal will undergo a single merit review process by the lead agency, on behalf of both NSF/MPS/CHE and UKRI/EPSRC. Proposers must provide a clear rationale for the need for a U.S.-U.K. collaboration, including a description of the unique expertise and synergy that the collaborating groups will bring to the project. Proposals should address this lead agency opportunity: **Quantum Information Science (QIS) in Chemistry**. Deadline: On-going

NIH Mitochondrial-associated Mechanisms of Neuropathological and Immunodeficient Aging in the Context of HIV and SUD This NOFO invites applications to investigate protective and pathogenic mechanisms at the nexus of mitochondrial function and aging in the context of HIV infection, antiretroviral therapy (ART) and exposure to addictive substances.

- ***R01*** Deadline: March 10
- ***R21*** Deadline: March 10

NIH Support for Conferences and Scientific Meetings (Parent R13) The purpose of the NIH Research Conference Grant (R13) is to support high quality conferences that are relevant to the public health and to the scientific mission of the participating Institutes and Centers. Deadline: December 12

NIH Blueprint Neurotherapeutics Network (BPN): Biologic-based Drug Discovery and Development for Disorders of the Nervous System (UG3/UH3) This Funding Opportunity Announcement (FOA) supports preclinical discovery and development of potential therapeutic Biotechnology Products and Biologics including, but not limited to, large biologic macromolecules, (e.g., proteins, antibodies, and peptides), gene-based therapies (i.e., oligonucleotide- and viral-based), cell therapies, and novel emerging therapies (e.g., microbial and microbiome therapies). Applicants will collaborate with NIH-funded consultants and can augment their project with NIH contract research organizations (CROs) that specialize in manufacturing, scaling, pharmacokinetics, toxicology, and Phase I clinical testing. Deadline: January 27

NIH Discovery and Development of Natural Products for Cancer Interception and Prevention (UG3/UH3) National Cancer Institute (NCI) intends to support the discovery and development of novel natural products that are safe, non-toxic, and efficacious for cancer interception and prevention. The UG3 phase will provide up to three years of support for milestone-driven initial target selection, verification of the target in clinical samples and preclinical in vivo studies, assay development, and/or assay validation for target activity, as well as on-target toxicity screening, and pilot screening of natural agents. If UG3 milestones are met, support may be provided for a full-scale screening, identification of active natural compounds, full-scale evaluation of screened individual agents, assessment of the natural product's effect in vitro and in vivo, and determining the optimal dose for subsequent studies and safety testing in the UH3 phase. Deadline: June 13

DOD-ARL Energetics Basic Research Center (EBRC) Fiscal Year 2025 The EBRC brings together universities, research institutions, companies, and individual scholars and supports multidisciplinary and cross-institutional projects addressing specific topic areas determined by the Department of the Army (DA). The EBRC aims to promote research in specific areas of EMs and to promote a candid and constructive relationship between DA and the energetics research community. Deadlines: January 6 – White paper; April 7 – Proposal by invite

DOD-ONR FY25 Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology ONR, ONRG, and MCWL are interested in receiving proposals for Long-Range S&T Projects that offer potential for advancement and improvement of Navy and Marine Corps operations. Readers should note that this is an announcement to declare ONR, ONRG and MCWL's broad role in competitive funding of meritorious research across a spectrum of science and engineering disciplines. Deadline: On-going

DOD-DARPA DSO Office-wide BAA DARPA's Defense Sciences Office (DSO) is soliciting innovative proposals that investigate innovative approaches that enable revolutionary advances in science, devices, or systems for national security applications. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. The DARPA Defense Sciences Office regularly publishes Broad Agency Announcements (BAAs) requesting responses to specific program topics. This announcement seeks revolutionary research ideas for topics not being addressed by ongoing DSO programs or other published solicitations. Deadline: On-going

DOE-SC FY 2025 Continuation of Solicitation for the Office of Science Financial Assistance Program The Office of Science (SC) Any research within SC's Congressionally authorized mission may of the Department of Energy (DOE) hereby announces its continuing interest in receiving applications for support of work in the following program areas: Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, Nuclear Physics, Isotope R&D and Production, and Accelerator R&D and Production. This NOFO is our annual open solicitation that covers all research areas in SC and is open throughout the Fiscal Year. be proposed under this NOFO. Deadline: On-going

DOE-NETL Advancing Technology Development for Securing a Domestic Supply of Critical Minerals and Materials (CMM) The overall objectives of this FOA is to (1) continue to advance Critical Minerals and Materials technology development, not only in the area of new advanced recovery concepts, but also to (2) expand and improve process systems development, optimization, and efficiency, to (3) improve Critical Minerals and Materials process system economic feasibility and align production costs with existing market sectors, and to (4) produce CMM from multiple, diverse feedstocks including recycled materials. Cost-sharing is required at 20%. Deadline: November 26

DOE-NETL Oxygen-conducting SOFC and SOEC Research and Development for Hydrogen Production The R-SOFC program in FECM collaborates with all Government offices which are a part of the Hydrogen Strategic Plan and supports only the Research and Development (R&D) which is necessary to achieve the Hydrogen Strategic Plan targets and objectives and the DOE-wide Hydrogen Shot goals. This FOA supports the necessary specific targets, such as the current density exceeding 1.5 amps per square centimeter, as called out in the published documents for electrolysis which include high current density and low total resistance. The FOA specific objectives aim to overcome the challenges associated with high-temperature, oxygen-conducting, R-SOFC systems as a step toward achieving the DOE-wide Hydrogen Shot goals. Deadline: December 2

Kissick Family Foundation Frontotemporal Dementia (FTD) Grant Program The Request for Proposals (RFP) calls for basic science or early-stage translational research projects that focus on building a fundamental understanding of sporadic FTD. The Kissick Family Foundation, with guidance from the Milken Institute Science Philanthropy Accelerator for Research and Collaboration (SPARC), welcomes research proposals requesting up to $500,000 over two years. Deadline: November 1 – LOI; February 7 – Full proposal by invite

Simons Foundation Simons Collaborations in Mathematics and Physical Sciences A Simons Collaboration in MPS should address a mathematical or theoretical topic of fundamental scientific importance, where a significant, new development creates a novel area for exploration or provides a new direction for progress in an established field. The questions addressed by the collaboration may be concrete or conceptual, but there should be little doubt that answering them would constitute a major scientific milestone. The project should have clearly defined initial activities and goals by which progress and success can be measured. Deadlines: October 31 – LOI; February 25 – Full proposal

3. **Anticipated Funding Opportunities**

NEH Dangers and Opportunities of Technology: Perspectives from the Humanities

NEH Dialogues of the Experiences of War

DOE Notice of Intent to Issue: Regional Direct Air Capture Hubs

4. **Other:**

OOR Workshop: Understanding Proposal Budgets **Tuesday, October 29, 1:30-3PM, STEW 310** The Office of Research and Sponsored Program Services will host a workshop for faculty entitled Understanding Proposal Budgets. Presenters Amanda Hamaker and Kristyn Jewell will break down the basics of a budget and define some commonly encountered terms and requirements. This session will also describe the resources available at Purdue to help you through creating a budget and the key points of contact for assistance. Registration is required at: https://purdue.ca1.qualtrics.com/jfe/form/SV_9FtiJxsizRcTV9I.

NSF Major Research Instrumentation (MRI) Informational Webinar October 3 or 4, 12-1:30PM ET Registration required at Register in advance for this webinar: https://nsf.zoomgov.com/webinar/register/WN_CAHxlDfVQ5q0A5R9Vnhp-A.