December 18, 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: ***NSF Materials Innovation Platforms (MIP)*** MIP is a mid-scale infrastructure program in the Division of Materials Research (DMR) designed to accelerate advances in materials research. MIPs respond to the increasing complexity of materials research that requires close collaboration of interdisciplinary and transdisciplinary teams and access to cutting edge tools. These tools in a user facility benefit both a user program and in-house research, which focus on addressing grand challenges of fundamental science and meet national needs. This third MIP competition will accept proposals on alloys, amorphous, and composite materials. Given that the second MIP competition included an emphasis on biomaterials and polymer research, proposals mainly on these topics will not be considered in the third MIP competition. Only ***one*** application is allowed as lead.

   Internal deadline: Preproposal due in InfoReady by January 27 (template)

   Sponsor deadline: May 15

   Limited Submission: ***NEA Grants for Arts Projects*** Grants for Arts Projects (GAP) provides funding for public engagement with the arts and arts education, for the integration of the arts with strategies promoting the health and well-being of people and communities, and for the improvement of overall capacity and capabilities within the arts sector. It funds arts projects in the following disciplines: Artist Communities, Arts Education, Dance, Design, Folk & Traditional Arts, Literary Arts, Local Arts Agencies, Media Arts, Museums, Music, Musical Theater, Opera, Presenting & Multidisciplinary Works, Theater, and Visual Arts. A 1:1 cost share is required. Only ***one*** application is allowed per calendar year.

   Internal deadline: Preproposal due in InfoReady by January 13 (template)

   Sponsor deadline: February 13 – Part 1; February 26 – Part 2

   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 Partnership to Advance Conservation Science and Practice (PACSP) NSF and the Paul G. Allen Family Foundation (the foundation) are continuing their partnership to support this program, to be administered by NSF, supporting conservation science and science-informed conservation practice in the United States. The objective of the PACSP Program is to support conservation research that investigates organismal biology, ecology, and/or evolution and is designed to contribute to the development and implementation of evidence-based activities and/or technology solutions to advance biodiversity conservation. We seek proposals that involve the implementation of conservation activities based on conservation science principles via academic-conservation organization partnerships. The strongest projects will involve ongoing assessment of biodiversity outcomes, for instance via an adaptive management framework, that inform both scientific understanding and conservation actions. Deadline: March 17

NIH Supporting Talented Early Career Researchers in Genomics (R01) This NOFO is intended to identify and support research projects by exceptionally promising Early Stage Investigators with a long-term career interest in pursuing innovative research in genomics. This opportunity is open to research in all areas relevant to the mission of NHGRI, including genomic sciences, genomic medicine, genomic data science, and ethical, legal, and social implications (ELSI) of genomics. Deadline: February 28

NIH-NCI Toward Translation of Nanotechnology Cancer Interventions (R01) TTNCI awards are designed to mature experimental nanomedicines relying on nanoparticles and nano-devices which demonstrate strong potential to improve cancer treatment effectiveness due to the combination of nanoparticle/nano-device structural design and/or therapeutic/diagnostic cargo which is delivered. TTNCI awards are expected to enable further development of proposed nanotechnology-based interventions to the stage in which they could continue on a developmental path towards the NCI Experimental Therapeutics (NExT) and other NCI translational programs. Deadline: May 19

NIH-NCI Addressing Barriers to Healthcare Transitions for Survivors of Childhood and Adolescent Cancers (R01) The goal of this opportunity is to support the development and testing of interventions and strategies that promote high-quality transitional care and continued engagement of survivors of childhood and adolescent cancers to ensure these survivors receive appropriate surveillance and care into adulthood. Overall, it is anticipated that this research will provide critical evidence for establishing best practices and standards of care that can be widely disseminated and adopted. Deadline: October 17

NIH NIDCD Research Grants for Translating Basic Research into Clinical Practice (R01) This NOFO provides an avenue for basic scientists, clinicians, and clinical scientists to jointly initiate and conduct research projects that translate basic research findings into clinical practice for better human health. The scope of this NOFO includes a range of activities that will impact the diagnosis, treatment, and prevention of disorders within NIDCD's scientific mission. Connection to the clinical condition must be clearly established and the outcomes of the proposed work must have the potential for practical clinical impact in the near term. Deadline: February 13

NIH HEAL Initiative-Early-Stage Discovery of New Pain Targets Within the Understudied Druggable Proteome (R03) The purpose of this notice of funding opportunity (NOFO) is to solicit applications for pilot projects to identify new druggable targets for pain within the understudied druggable proteome. Awards will support generation of preliminary data and/or tools around eligible understudied protein(s) listed in this NOFO. This NOFO is intended to jumpstart research on understudied proteins within the context of pain and pain management and provide applicants with sufficient funding to perform basic biochemical and/or biological work

to further the characterization of understudied proteins to identify new druggable targets for pain. Deadline: February 16

NIH Broad Spectrum Products Against Multiple Neurotoxin Botulinum Serotypes (R61/R33) The purpose of this NOFO is to support the development of improved products for treating Botulinum Neurotoxin (BoNT) intoxication. Development of products that can reverse BoNT intoxication are highly encouraged. Deadline: May 2

NIH-NCI Advanced Development and Validation of Emerging Biospecimen Science Technologies for Basic and Clinical Cancer Research (R33) Through this NOFO, NCI will support the development of tools, devices, assays, and associated methods for the collection, handling, processing, preservation, or storage of cancer-relevant biospecimens and their derivatives. This includes tools with new capabilities to preserve or protect sample integrity, or establish verification criteria for quality assessment/quality control and address issues related to pre-analytical degradation of targeted analytes. Deadline: April 4

NIH-NCI Advanced Development and Validation of Emerging Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R33) This NOFO solicits R33 applications where major feasibility gaps for the technology or methodology have been overcome, as demonstrated with supportive preliminary data, but still requires further development and rigorous validation to encourage adoption by the research community. Well-suited applications must offer the potential to accelerate and/or enhance research in the areas of cancer biology, early detection and screening, clinical diagnosis, treatment, cancer control, epidemiology, and/or address issues associated with cancer health disparities. Technologies proposed for development may be intended to have widespread applicability but must be focused on improving molecular and/or cellular characterizations of cancer. Deadline: April 4

NIH-NCI Innovative Biospecimen Science Technologies for Basic and Clinical Cancer Research (R61) Through this NOFO, NCI will support the development of tools, devices, instrumentation, and associated methods for the collection, handling, processing, preservation, or storage of cancer-relevant biospecimens and their derivatives. This includes tools with new capabilities to preserve or protect sample integrity, establish verification criteria for quality assessment/quality control, and address issues related to pre-analytical degradation of targeted analytes. The overall goal is to support the development of highly innovative technologies capable of maximizing or interrogating the quality and utility of biological samples used for downstream analyses. Deadline: April 4

NIH-NCI Innovative Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R61) The emphasis of this NOFO is on supporting the development of novel capabilities involving a high degree of technical innovation for targeting, probing, or assessing molecular and cellular features of cancer biology. Well-suited applications must propose the development of technologies that offer the potential to accelerate and/or enhance research in the areas of cancer biology, early detection and screening, clinical diagnosis, treatment, cancer control, epidemiology, and/or address issues associated with cancer health disparities. Technologies proposed for development may be intended to have widespread applicability but must be focused on improving molecular and/or cellular characterizations of cancer biology. Deadline: April 4

NIH High Impact, Interdisciplinary Science in NIDDK Research Areas (RC2) The purpose of the High Impact, Interdisciplinary Science grants program is to support high impact ideas that may lay the foundation for new fields of investigation within the mission of NIDDK. The interdisciplinary approach encouraged by this NOFO is envisioned to generate a research resource and/or foster discovery-based or hypothesis-generating science that can have a significant impact on the broader scientific community. This NOFO seeks novel approaches in areas that address specific knowledge gaps, scientific opportunities, new technologies, data generation, or research methods that will advance the area in significant ways designed to accelerate scientific progress in the understanding, treatment, and prevention of diseases, including the promotion of health equity, within the mission of the NIDDK. Deadline: June 3

NIH NIDDK Catalyst Award (DP1) The NIDDK Catalyst Award is designed to complement NIDDK's traditional, investigator-initiated grant programs by supporting individual scientists who propose pioneering and transformational studies in topic areas of interest to NIDDK's Division of Diabetes, Endocrinology and Metabolic Diseases, and to NIDDK's Division of Digestive Diseases and Nutrition. Applications should be focused on major scientific challenges, and have the potential to produce an unusually high impact on diseases and conditions that are central to the mission of these two divisions within NIDDK. To be considered responsive to this initiative, the proposed research should reflect new and novel scientific directions that are distinct from concepts and approaches being pursued in the investigators research program or elsewhere. Deadline: July 18

NIH Leveraging Network Infrastructure to Conduct Innovative Research for Women, Children, Pregnant and Lactating Individuals, and Persons with Disabilities (UG3/UH3) The purpose of this Notice of Funding Opportunity (NOFO) is to leverage NICHD clinical research Network infrastructure relevant to infants, children, women, pregnant and lactating individuals, and persons with disabilities to conduct innovative, multisite, investigator-initiated clinical trials and observational studies. Deadline: March 14

DOE-NETL Renewable Integration Management with Innovative High Voltage Direct Current Power Circuit Breakers (REIMAGINE BREAKERS) This NOFO serves as the next action in a series of actions taken by DOE to expand deployment of HVDC transmission technology in the U.S., by investing in standards development and innovative solutions to reduce cost and footprint of HV DCCB technology for widespread use in the U.S. Topic Area 1 aims to expand on the standards development being conducted through DOE FOA 2828's Topic Area 1 by developing technical specifications and operational requirements for HVDC power circuit breakers to the suite of available standards. Topic Area 2 aims to explore potential innovative concepts and designs that can reduce the cost to produce, install, and operate HV DCCB, as well as reduce the footprint of the equipment and improve performance, given that power plant and/or platform space is at a premium, especially for offshore wind applications. The goal is to build off the work conducted, and lessons learned under the DOE ARPA-E BREAKERS program focused on the development of novel technologies for medium voltage direct current power circuit breakers. Deadline: February 28

NASA-ROSES Responsive Science Initiatives Research This element solicits scientific research required to address societal challenges in three thematic areas: Understanding and Forecasting Zoonotic Disease Events; Minimizing Contrails in Commercial Aviation; and Downscaling Earth System Models (ESMs) to Address Regional and Local Challenges. Proposals must advance scientific knowledge with the intention of supporting follow-on applications for end users. Deadlines: January 24 – NOI; March 25 - Proposal

NASA-ROSES FORTE Science Team FORTE (Frontlines Of Rapidly Transforming Ecosystems) is the first Earth Venture Suborbital (EVS) mission to apply the unique advantages of high resolution, ecosystem-scale, and suborbital passive and active remote sensing observations to explicitly link hydrological, biogeochemical and ecological processes in Arctic land-ocean systems. This program element seeks to formulate the FORTE Science Team, which will be in place for a four-year period (spring 2026-2030) and will participate in a multi-year field campaign to address the science objectives of the FORTE mission. Deadlines: January 21 – NOI; April 21 - Proposal

NASA-ROSES Commercial Satellite Data Earth Science Research and Applications This element solicits proposals for Earth science research and applications based on observations acquired by NASA's Commercial Satellite Data Acquisition (CSDA) Program. It is open to any areas of research and applications that contribute to the objectives and key results described in Earth Science to Action (ES2A) strategy. The proposed work should also highlight how commercial data will supplement existing capabilities of the NASA's Earth Observing fleet and other free and open data sources. Deadlines: January 31 – Step 1; March 26 – Step 2

USDA-NIFA Integrated Research, Education, and Extension Competitive Grants Program – Organic Transitions The overall goal of the ORG is to support the development and implementation of research, extension and higher education programs to improve the competitiveness of organic livestock and crop producers, as well as those who are adopting organic practices. ORG will continue to prioritize environmental services provided by

organic farming systems in the area of soil conservation, pollinator health, and climate change mitigation, including greenhouse gases (GHG), as well as the development of educational tools for Cooperative Extension personnel and other agricultural professionals who advise producers on organic practices, and development of cultural practices and other allowable alternatives to substances recommended for removal from the National Organic Program's National List of Allowed and Prohibited Substances. A 1:1 cost share match is required. Deadline: March 6

Google Research Scholar Program The Research Scholar Program aims to support early-career professors who are pursuing research in fields relevant to Google. Applicants must be a full-time assistant, associate, or professor at a university or degree-granting research institution at the time of the application submission. They must have received their PhD within seven years of submission (2017 or later). Areas of interest include: Algorithms and optimization; Applied sciences; Health research; Human-computer interaction; Machine learning; Machine perception; Natural language processing; Networking: Privacy, safety, and security; Quantum computing; Software engineering and programming languages; and Systems. Deadline: January 27

3. **Anticipated Funding Opportunities**

DOE Notice of Intent to Issue DE-FOA-0003518, entitled "Sustainable Propane and Renewable Chemicals (SPARC)"; and DE-FOA-0003520, entitled "Maximizing Algal System Yield (MASY)"

4. **Other:**

NSF Dear Colleague Letter: Special Guidelines for Submitting Collaborative Proposals Under the U.S. NSF/GEO - FAPESP Lead Agency Opportunity on Collaborative Research on Geosciences

NSF publishes "for comment" draft of Proposal & Award Policies & procedures Guide (PAPPG 26-1)

DOE APRA-E Request for Information on Nuclear Heat for Modular Process Intensification in Refineries and Petrochemical Plants

DOE Request for Information (RFI): Defining Sustainable Maritime Fuels in the United States

OOR Workshop: How to Write a Competitive NSF CAREER Proposal The Office of Research is hosting a workshop for faculty in all disciplines who are interested in writing a proposal for the prestigious NSF CAREER program. The workshop will be held on **Tuesday, January 28; Noon to 1:30PM; Stewart Center, room 218**. CAREER-eligible faculty must be pre-tenured and may not participate in more than three CAREER competitions. Sally Bond, director of Proposal Strategy and Development, will address the unique requirements of the CAREER program and help faculty to:

- Analyze winning CAREER components.
- Understand best practices for integrating education and research.
- Prepare for a program officer conversation.
- Identify institutional resources to leverage.
- Review templates for proposal planning and writing.

Please feel free to bring your lunch with you to the workshop. Before the workshop, participants should read the NSF CAREER solicitation and FAQs available at https://new.nsf.gov/funding/opportunities/career-faculty-early-career-development-program.
Registration is required at: https://purdue.ca1.qualtrics.com/jfe/form/SV_cRMSfbAZSPNu5LM