

Dear Associate Deans for Research and Department Heads,

Please see below for a partial list of funding information that may be of interest to members of your faculty.

PLEASE NOTE: Pivot [formerly Community of Science (COS)] E-mail Alerts, set up individually by faculty members, are Purdue's primary resource for timely funding information in all disciplines. More information about Pivot and other e-mail alert services and search tools may be found [here](#).

1. Limited Submissions:

Preproposals and rankings should be submitted via Purdue's InfoReady portal (<https://purdue.infoready4.com/>). 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>. 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 EVPRPlimited@purdue.edu.

Internal Coordination Required: [DOE-NNSA Consortia for Nuclear Nonproliferation](#) The intent of this FOA is to award two (2) five-year cooperative agreements to consortia consisting of accredited IHEs to provide the opportunity to receive and administer Federal financial assistance funds for student and faculty research, fellowships, and scholarship funding awarded by DOE/NNSA, DNN R&D. The consortium may include student and research fellows and must have a long-term objective of building expertise in scientific disciplines directly relevant to nuclear nonproliferation. Research results should be incorporated readily into IHE curricula.

Although this is not a limited submission, the agency has expressed that projects should be distinct. We are, therefore, requesting preproposals in advance to check for potential overlap and will treat as a limited if overlap exists.

Internal deadline: Preproposal due in InfoReady by December 11 ([template](#))

Sponsor deadline: February 6

2. Selected Funding Opportunities:

[NSF Dear Colleague Letter: Opportunities in the Research Infrastructure in the Social and Behavioral Sciences Program \(RISBS\)](#) NSF supports the creation of large-scale research infrastructure. This includes the creation of large-scale tools that enable and facilitate the conception and execution of research projects. In the Social, Behavioral and Economic Sciences directorate (SBE), such research infrastructure frequently takes the form of collection or assembly of large datasets, software for accessing and processing large datasets, and other software and hardware tools that enable and assist in the collection and manipulation of SBE data. Support for new research infrastructure through the RISBS program is not intended to supersede or replace such support from other NSF programs but rather to augment it and, by offering additional opportunities, to catalyze new thinking and bold, innovative proposals. The RISBS program may also provide co-funding for cross-directorate research infrastructure programs that require SBE co-funding. Deadline: Varies

[NIH Advanced Development and Validation of Emerging Biospecimen Science Technologies for Basic and Clinical Cancer Research \(R33\)](#) This NOFO solicits grant applications proposing exploratory research projects focused on further development and validation of emerging technologies that improve the quality of the samples used for cancer research or clinical care. This includes new capabilities to address issues related to pre-analytical degradation of targeted analytes during the collection, processing, handling, and/or storage of cancer-relevant biospecimens. Deadline: April 1

[NIH Innovative Biospecimen Science Technologies for Basic and Clinical Cancer Research \(R61\)](#) This NOFO solicits grant applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies that improve the quality of the samples used for cancer research or clinical care. This includes new capabilities to address issues related to pre-analytical degradation of targeted analytes during the collection, processing, handling, and/or storage of cancer-relevant biospecimens. The overall goal is to support the development of highly innovative technologies capable of maximizing or otherwise interrogating the quality and utility of biological samples used for downstream analyses. Deadline: April 1

[NIH Innovative Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research \(R61\)](#) This NOFO solicits grant applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies offering novel molecular or cellular analysis capabilities for basic or clinical cancer research. 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. 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 1

[DOE-SC Collaborative Research Magnetic Fusion Energy Sciences on Long-Pulse International Stellarator Facilities](#) The DOE SC program in Fusion Energy Sciences (FES) hereby announces its interest in receiving applications to carry out experimental research in magnetic fusion energy sciences on long-pulse overseas stellarator facilities, namely, Wendelstein 7-X (W7-X – Germany) and the Large Helical Device (LHD – Japan). The research should be related to the planning, execution, and analysis of experiments concerning the topical areas: Understanding compatible core-edge solutions; Understanding limits; Exploiting U.S. hardware investments; Long-pulse, high power operation; and Comparative studies on long-pulse helical devices. Deadlines: December 26 – Pre-application; February 5 - Application

[DOE-SC Earth System Model Development and Analysis](#) The goal of the EESM portfolio within the BER program is to develop and demonstrate advanced modeling and simulation capabilities, in order to enhance the predictability of the Earth system over multiple temporal and spatial scales. This FOA solicits research applications to advance the fundamental understanding of dynamic, physical, and biogeochemical processes required to systematically develop and analyze results from Earth System Models. The FOA will support: 1) further development of the marine biogeochemical simulations in Energy Exascale Earth System Model (E3SM); 2) hierarchical modeling, simulations and analysis using E3SM and other Earth system models to enhance understanding of biogeochemical (terrestrial and marine), aerosol, cloud, and/or aerosol-cloud interactions and feedbacks; 3) novel methodologies and techniques for model initialization, coupled data assimilation. Deadlines: January 16 – Pre-application; March 21 - Application

[USDA-NIFA Integrated Research, Education, and Extension Competitive Grants Program – Organic Transitions](#) The overall goal of the Organic Transitions Program (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. It is expected that all projects will integrate research, education and extension activities, as appropriate to project goals, although some projects may be weighted more heavily than others in one or more of these areas. However, all proposals should have activities and impact in research and at least one of the other areas: education and extension. Matching funds are required, with some exceptions. Deadline: March 7

[USDA-NIFA Methyl Bromide Transition Program](#) The Methyl Bromide Transition Program (MBT) addresses the immediate needs and the costs of transition that have resulted from the phase-out of the pesticide methyl bromide. The program focuses on integrated commercial-scale research on methyl bromide alternatives and associated extension activity that will foster the adoption of these solutions. Projects should cover a broad range of new methodologies, technologies, systems, and strategies for controlling economically important pests for which methyl bromide has been the only effective pest control option. Research projects must address

commodities with critical issues and include a focused economic analysis of the cost of implementing the transition on a commercial scale. Matching funds are required, with some exceptions. Deadline: February 13

[**USDA-NIFA Renewable Resource Extension Act National Focus Fund Projects**](#) The purpose of the grant program is to provide funds for extension projects that have national or regional relevancy. In particular, the program supports extension projects that address emerging forest and rangeland resources through the adoption of climate-smart technologies among forest and rangeland owners. Project Directors must have an Extension appointment. Deadline: March 13

[**USDA-NIFA Crop Protection and Pest Management Competitive Grants Program**](#) The purpose of the Crop Protection and Pest Management program is to address high priority issues related to pests and their management using IPM approaches at the state, regional and national levels. The CPPM program supports projects that will ensure food security and respond effectively to other major societal pest management challenges with comprehensive IPM approaches that are economically viable, ecologically prudent, and safe for human health. The CPPM program addresses IPM challenges for emerging issues and existing priority pest concerns that can be addressed more effectively with new and emerging technologies. Deadline: February 15

[**DoED Research Education Research and Development Center Program**](#) IES research grant programs are designed to provide interested individuals and the general public with reliable and valid information about education practices that support learning and improve academic achievement and access to education opportunities for all learners. NCER will consider only applications that address one of the following topics: Improving Rural Education; Using Generative Artificial Intelligence to Augment Teaching and Learning in Classrooms; K-12 Teacher Recruitment and Retention Policy; and Improving Outcomes in Elementary Science Education. IES intends to fund four centers, each focused on one of the topics. Deadline: March 7

[**NEH Institutes for Higher Education Faculty Institutes for K-12 Educators**](#) NEH Institutes are professional development programs that convene higher education faculty or K-12 educators from across the nation to deepen and enrich their understanding of significant topics in the humanities and enrich their capacity for effective scholarship and teaching. Deadline: February 14

3. Anticipated Funding Opportunities

[**NIH Notice of Intent to Publish a Funding Opportunity Announcement for BRAIN Initiative: Preclinical Proof of Concept for Novel Recording and Modulation Technologies in the Human CNS \(R18\)**](#)

[**NIH Notice of Intent to Publish a Funding Opportunity Announcement for Center of Excellence for Systems Modeling of Infection and Immunity across Biological Scales \(U54\)**](#)

[**HHS-FDA Evaluating the Cutaneous Pharmacokinetics of Topical Drug Products Using Pharmacokinetic Tomography \(U01\)**](#)

[**HHS-FDA Identification and Evaluation of Possible Approaches to Addressing Nitrosamine Impurities in Drugs \(U01\)**](#)

[**HHS-FDA Cooperative Agreement for Long Term Data Collection on Antimicrobial Use in Animals \(U01\)**](#)

[**NSF Dear Colleague Letter: Global Centers Program Competition**](#) Global Centers is a cross-directorate funding opportunity implemented in partnership with international funding partner agencies. The topic for the 2024 competition of the Global Centers program is anticipated to be Addressing Societal Challenges through the Bioeconomy and may include research from any combination of research disciplines supported by NSF. The Program anticipates accepting proposals for holistic, multidisciplinary projects that demonstrate integration of international teams as well as the relevant scientific disciplines, including educational and social sciences necessary to achieve use-inspired outcomes. Solicitation is expected to be released first quarter of 2024.

4. **Other:**

OOB Workshop: *Preparing 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 NSF CAREER program. CAREER eligible faculty are untenured, assistant professors who have not submitted more than two previous, unsuccessful NSF CAREER proposals. Topics including:

- Highlights of NSF's mission and keys to identifying the right directorate(s) for your CAREER
- CAREER vs core NSF funding opportunities
- Understanding the "research and education" criteria
- Writing a compelling one-page concept paper for discussion with program officer(s)
- Helpful resources

Prior to the workshop, participants should read the NSF CAREER solicitation and FAQs available at:

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503214. Registration is required at:

https://purdue.ca1.qualtrics.com/jfe/form/SV_be0zkhfDTwawih0.

****Purdue faculty and research staff:** To directly receive this newsletter in your inbox, please sign up for the listserv here: <https://lists.purdue.edu/mailman/listinfo/weeklyfundingopps>. Only *purdue.edu* e-mail addresses will be accepted. **

As always, we appreciate your sharing this information with your faculty. Please contact Sue Grimes (sgrimes@purdue.edu) with any questions or comments related to this e-mail.