September 20, 2023

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.

Office of Research Workshop: Write Winning Grants This full-day workshop, presented by Dr. John Robertson of *Grant Writers' Seminars and Workshops, LLC,* will focus on such things as idea development, identification of the most appropriate granting agency, how to write for reviewers, and tips and strategies that are of proven value in presenting an applicant's case to reviewers. The workshop provides intensive grant writing training interspersed with specific details by agency. Participants will also choose one of four workbooks which provide agency specific grant writing tips and suggestions. This full-day workshop is designed for faculty and full-time staff researchers who have had some exposure to writing grant applications. A limited number of postdocs will be allowed to attend but, before registering, they must first receive an invitation from the Graduate School. Interested postdocs should contact Jason Cannon (cannonjr@purdue.edu). *We are unable to accommodate students for this event.*

This workshop will take place on **Tuesday, November 7, 8:30AM-5:00PM**. ***Registration is required by Friday, October 13.*** Lunch will be provided. There is no cost to participants for this workshop; however, lunch and workbooks are ordered specifically for each participant so those registering are expected to attend. Register at: https://purdue.ca1.qualtrics.com/jfe/form/SV_782c8RT6mfBFx0q

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 EVPRP will notify the PI(s) that an internal competition will be unnecessary. Questions should be addressed to EVPRPlimited@purdue.edu.

   Limited Submission: NSF Partnerships for Innovation The Partnerships for Innovation (PFI) Program offers researchers from all disciplines of science and engineering funded by NSF the opportunity to perform translational research and technology development, catalyze partnerships and accelerate the transition of discoveries from the laboratory to the marketplace for societal benefit. This solicitation offers two broad tracks: Technology Translation (PFI-TT) and Research Partnerships (PFI-RP). The PFI-TT track offers the opportunity to translate prior NSF-funded research results in any field of science or engineering into technological innovations with promising commercial potential and societal impact. The PFI-RP track seeks to achieve the same goals as the PFI-TT track by supporting instead complex, multi-faceted technology development projects that are typically beyond the scope of a single researcher or institution and require a multi-organizational, interdisciplinary, synergistic collaboration. There is no limit on the number of proposals submitted to the TT Track; however, the RP Track is limited to only ***one*** proposal.

   Internal deadline: Preproposal due in InfoReady by October 16 (template)

   Sponsor deadline: January 2

2. **Selected Funding Opportunities**:

NSF Research in the Formation of Engineers (RFE) The goal of the Research in the Formation of Engineers (RFE) program is to advance our understanding of professional formation. It seeks both to deepen our fundamental understanding of the underlying processes and mechanisms that support professional formation and to demonstrate how professional formation is or can be accomplished. Ultimately RFE aims to transform the engineer-formation system, and thus the impact of proposed projects on this system must be described. Principal Investigators (PIs) should provide a roadmap detailing how they envision the proposed research will eventually broadly impact practice within the engineer-formation system, even if these activities are not within the scope of the submitted proposal. Deadline: On-going

NSF Organismal Response to Climate Change (ORCC) This solicitation calls for proposals that integrate the study of **o**rganismal mechanisms of **r**esponse to **c**limate **c**hange (ORCC) with eco-evolutionary approaches to better predict and mitigate the effects of a rapidly changing climate on earth's living systems. Specific areas of emphasis include but **are not limited to** integrating physiology and genomics into the next generation of species distribution models; understanding the mechanistic bases of plastic responses to climate change; functional genomics of organismal response to climate change; how biological interactions are affected by climate change; how biological interactions in turn affect organismal responses to climate change; and improving our ability to predict the limits of biological and global resilience as organisms face changing and novel climate conditions. Deadline: December 13

NIH Computational Approaches for Validating Dimensional Constructs of Relevance to Psychopathology (R01) This Notice of Funding Opportunity (NOFO) solicits applications for research projects that will use computational approaches to test the validity of dimensional constructs in the NIMH Research Domain Criteria (RDoC) matrix (or similar constructs based on comparable criteria). Some elements of the RDoC matrix have been updated since its first release, but a thorough data-driven validation that broadly explores, compares, and validates the constructs within the matrix has not been performed. This NOFO seeks research that addresses the following questions: Do the different domains of behavior segregate from each other? How much do they rely on distinct versus overlapping neural circuits? What are the relationships between domains, constructs, and subordinate sub-constructs, both in terms of their correlational structure and their underlying neural circuitry? Deadline: November 1

NIH Computational Models of Influenza Immunity (U01) This Notice of Funding Opportunity (NOFO) invites applications for the Computational Models of Influenza Immunity Cooperative Agreement Program. The program will employ computational modeling and immunologic studies to advance our understanding of the requirements for improving anti-influenza immunity, including inducing broad immune protection and enhancing immune durability. This program will help inform design of universal or improved seasonal flu vaccines. Projects may lead to a better understanding of how pre-existing immunity and repeat exposures (natural infection and/or vaccines) shape an individual's immune landscape. Predictive modeling of adjuvants/vaccine formulations and experimental validation supported by this program should lead to enhanced host immune responses and universal or improved seasonal influenza vaccine efficacy. Deadline: January 26

HHS-FDA Building an Integrated Laboratory System to Advance the Safety of Human and Animal Food The intended outcome of this funding opportunity is to support and enhance national laboratory capacities and capabilities of human and animal food testing laboratories, specifically through the activities of an association that include: trainings, workshops, meetings, and other educational resources; conduct research on national testing capacity and capability; prepare best practices and other guidance manuals; support ISO/IEC 17025 laboratory accreditation for non-accredited laboratories; and other activities to support human and animal food testing laboratories. Deadline: October 23

NASA-ROSES Physical Sciences Informatics The goals of the PSI system are to: a) promote investigations making use of currently available experimental data resulting in more scientists participating in reduced-gravity research; b) allow new areas of research and discovery to occur more quickly through open access; and c) accelerate the "research to product or publication" timeline through the rapid sharing of data. The PSI system

allows researchers access to the detailed experimental data obtained from flight research conducted as part of the Physical Sciences Research Program in support of NASA's Biological and Physical Sciences (BPS) Division. Deadlines: October 31 – LOI; January 10 - Proposal

NASA-ROSES Strategic Astrophysics Technology The SAT program is designed to support the maturation of technologies whose feasibility has already been demonstrated (i.e., TRL 3), to the point where they can incorporated into NASA flight missions (TRL 6). APD has three science-themed programs: Exoplanet Exploration (ExEP), Physics of the Cosmos (PhysCOS), and Cosmic Origins (COR), which cover, respectively, the search for and study of planets outside the Solar System, the origin and evolution of the Universe, and the birth of stars and galaxies. These science-themes are all represented within the SAT program. Deadlines: December 15 – NOI; January 31 - Proposal

EPA Environmental Education Local Grants Program for Region 5 The Environmental Education Grant Program is seeking applications from eligible applicants to support locally-focused environmental education projects that promote environmental stewardship and help develop knowledgeable and responsible students, teachers, and community members. This grant program provides financial support for projects that design, demonstrate, and/or disseminate environmental education practices, methods, or techniques that increase public awareness and knowledge about local environmental issues and provides participants in its programs the skills necessary to make informed decisions and to take responsible actions toward the environment. Deadline: November 8

DoED Special Education Research and Development Center Program IES supports special education research and development centers (R&D Centers) that are intended to contribute significantly to the solution of special education problems in the United States by engaging in research, development, evaluation, and national leadership activities aimed at improving the education system, and, ultimately, student achievement. Each of the R&D Centers conducts a focused program of research in its topic area. Deadline: January 11

3. **Other:**

NSF Dear Colleague Letter: Advice to the Community About Submitting Proposals to the GRANTED Program Description Funding Opportunity PD 23-221Y

****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.