

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

Limited Submission: [Brain Research Foundation 2024 Seed Grant Program](#) BRF's Seed Grant Program was initiated in 1981. The purpose of the Program is to provide start-up money for new research projects and innovative programs that have the potential of becoming competitive for an NIH grant or other external funding sources. To be eligible, the PI must be a full-time Assistant or Associate Professor working in the field of neuroscience. Each total award is limited to \$80,000 (direct costs) for a two-year grant period. Only **one** submission is allowed.

Internal deadline: Preproposal due in InfoReady by September 25 ([template](#))

Sponsor deadline: November 21 – NOI; March 7 – Application by invite

2. **Selected Funding Opportunities:**

[NSF Focused Research Groups in the Mathematical Sciences \(FRGMS\)](#) The purpose of the Focused Research Group activity is to support collaborative groups employing innovative methods to solve specific, major research challenges in the mathematical sciences. A major challenge is an outstanding problem of significant importance that requires the focused and synergistic efforts of a collaborative group to solve, and whose solution will have wide impacts in the mathematical sciences and potentially in other areas. Groups may include, in addition to statisticians and mathematicians, researchers from other science and engineering disciplines appropriate for the proposed research. Risky projects are welcome. Deadline: December 6

NIH Systems-Level Risk Detection and Interventions to Reduce Suicide, Ideation, and Behaviors in Youth from Underserved Populations The purpose of this NOFO is to provide resources for evaluating the feasibility, acceptability, and safety of novel approaches that are uniquely tailored to the risk profiles of these populations, that will improve outcomes and modify health risk behavior. Resources may also be used for obtaining the preliminary data needed as a prerequisite to a larger-scale (efficacy or effectiveness) services study.

- [R01](#) Deadline: February 20
- [R34](#) Deadline: February 20

[NIH Diagnostic Centers of Excellence for the Undiagnosed Diseases Network \(U01\)](#) The purpose of this Notice of Funding Opportunity is to solicit applications for clinical sites that will provide expert diagnostic services for undiagnosed diseases across the nation. The clinical sites known as Diagnostic Centers of Excellence (DCoEs) will partner with the Undiagnosed Diseases Network (UDN) to sustain some of the key research activities currently performed by the Phase II UDN Clinical sites and facilitate its transition to a larger network that serves

undiagnosed patient populations including minority health and other populations defined by the NIH to experience health disparities. Deadline: November 3

[NIH BRAIN Initiative: Research on the Ethical Implications of Advancements in Neurotechnology and Brain Science \(R01\)](#) This NOFO seeks to provide opportunities to directly consider the integration of ethical issues with BRAIN-supported scientific advances. Specifically, this NOFO seeks to support efforts addressing core ethical issues associated with research focused on the human brain and resulting from emerging technologies and advancements in research and development supported by the BRAIN Initiative. The goal is that efforts supported under this initiative will be both complementary and integrative with the transformative, breakthrough neuroscience discoveries supported through the BRAIN Initiative. Deadline: October 11

[NIH HEAL INITIATIVE: Development and validation of remote or patient wearable device derived objective biosignatures or functional assessments to monitor pain for use as endpoints in clinical trials \(UG3/UH3\)](#) The purpose of this Notice of Funding Opportunity (NOFO) is to promote the discovery, development, and validation of real-world digital endpoints derived from data generated by existing remote or wearable devices. These endpoints will be used for monitoring the experience of pain, its progression, response to interventions, and impact on quality of life. In this NOFO, endpoints refer to biosignatures obtained from functional and physiological assessments captured by remote or wearable devices. Development of digital endpoints will involve clinical research using existing wearable or remote devices, with a specific focus on selecting and validating novel measurements as appropriate digital endpoints for pain assessment. The proposed digital endpoints may focus on a specific pain condition or encompass multiple pain conditions. Deadline: January 30

[NIH Notice of Special Interest \(NOSI\): Research Supplements to Promote Re-Entry, Re-integration into, and Re-training in Health-Related Research Careers \(Admin Supp\)](#) The goal of this NOSI is to provide information to the extramural community regarding an administrative supplement to provide full or part-time mentored research training experiences for individuals with high potential to re-enter, re-integrate into, or re-train in an active research career after an interruption for family responsibilities or other qualifying circumstances as described below. The supplement grants are intended to provide these scientists with an opportunity to update or extend their research skills and knowledge and prepare them to re-establish or revitalize their careers in basic biomedical, behavioral, clinical, translational, or social science research. It is anticipated that by the completion of the supplement support period, the awardee will be prepared to apply for a fellowship (F), career development (K) award, a research award (R), SBIR/STTR, or other types of independent research support. Deadline: Varies

[DOE BIL 41003c-Critical Material Innovation, Efficiency, and Alternatives](#) The overarching goal of this opportunity is to develop domestic supply chains for critical minerals and materials (CMM) by creating paths and strategies to commercialize processes that utilize domestic resources. These activities can include extraction, separation, processing, refining, alloying, or recycling technologies but should focus on decreasing environmental emissions, reducing resource usage or intensity, and/or optimizing cost. Deadline: November 10

[DOE ARPA-E Pioneering Railroad, Oceanic and Plane ELectrification with 1K Energy Storage Systems \(PROPEL-1K\)](#) This PROPEL-1K program aims to support the research and development of alternative approaches to energy storage to ultimately achieve a > 4x improvement compared to existing state-of-the-art options. The technical scope encompasses electrochemical and/or chemical solutions that do not require hydrocarbon-based fuels (fossil or synthetic). The targets for these energy storage system solutions are 1000 Watt-hour per kilogram (Wh/kg) and 1000 Watt-hour per liter (Wh/L) at the end of life and at the net ESS level. Of particular interest are technologies that are not mere extensions of current mainstream electrochemical device thinking or short-term technology road maps. The primary program objective is to develop exceptionally high-energy storage solutions, capable of catalyzing broad electrification of the aviation, railroad, and maritime transportation sectors. Deadline: October 17

[USDA-NRCS Conservation Innovation Grants, On-Farm Conservation Innovation Trials](#) NRCS is announcing the availability of CIG On-Farm Conservation Innovation Trials (On-Farm Trials) to stimulate the adoption and evaluation of innovative conservation approaches in partnership with agricultural producers. For 2023, applications will be accepted from eligible entities for projects addressing at least one of the following priorities: irrigation management technologies; feed management and enteric methane reduction; grazing lands; nutrient management; and soil health demonstration (SHD) trials. A [webinar](#) will be held on September 13 at 3PM ET. Deadline: October 30

[NASA-ROSES Hera Participating Scientist Program](#) The Hera Participating Scientist Program (Hera-PSP) solicits proposals to support scientists at U.S. institutions to participate on the Hera mission, which the European Space Agency (ESA) is developing for launch in 2024. Hera mission goals are to (1) directly measure the mass of Dimorphos to eliminate this systematic uncertainty from the determination of the DART momentum transfer efficiency; (2) investigate the DART impact crater; (3) observe subtle dynamical effects such as libration induced by the impact; and (4) characterize the surface and interior of Dimorphos. Deadline: October 3 – NOI; November 30 - Proposal

[Paul G. Allen Frontiers Group Open Call for 2024 Allen Discovery Center: Neurobiology in Changing Environments](#) The Paul G. Allen Frontiers Group, a division of the Allen Institute, is excited to announce a 2024 Allen Discovery Center (ADC) initiative to support research that will elucidate the molecular, cellular and/or circuitry-level neurobiology governing fundamental biological processes (development, reproduction, etc.) in response to anthropogenic-driven environmental perturbation. Deadline: September 20 – LOI; full proposal by invite

[Simons Early Career Investigator in Aquatic Microbial Ecology and Evolution Awards](#) The purpose of these awards is to help launch the careers of outstanding investigators in the fields of microbial ecology, microbial biogeochemistry and/or microbial evolution in marine or natural freshwater systems, who will advance our understanding through field work, experiments, modeling or theory. Investigators must currently be active in basic research addressing fundamental questions in these fields and must focus a large fraction of their lab's effort in this area. Applicants must hold a Ph.D. or equivalent degree. They must currently hold a tenure-track, tenured or, for institutions with no tenure track, an equivalent independent position in an institution in the U.S. or Canada (in a campus within these countries) and have carried out research in such a position starting no earlier than November 2018 and no later than January 2023. Deadlines: November 1 – LOI; February 29 - Application

3. Anticipated Funding Opportunities

[NIH Notice of Intent to Publish a Funding Opportunity Announcement for NHLBI Program Project Applications \(P01\)](#)

4. Other:

Office of Research Workshop: Successful Grant Writing Strategies The Office of Research will host a workshop entitled **Successful Grant Writing Strategies**. The workshop will take place on Wednesday, October 4th, from 1:30 p.m. to 3:00 p.m., in Stewart Center, room 214ABC. Sally Bond, Strategic Interdisciplinary Research, will present on key strategies to help you produce your most compelling grant proposals regardless of funding agency or size of potential award. The workshop will also point you to important grant writing resources at Purdue. Participants will learn best practices to: Build a compelling storyline; Respond to a funding agency mission and requirements; Identify win differentiators; Write for reviewers; and Conduct internal reviews. This session will be helpful for all faculty but will be especially helpful for new faculty. Registration is required at: https://purdue.ca1.qualtrics.com/jfe/form/SV_7PQtBnrSFKXnheC

NSF Seeks Reviewers for Latest Round of Convergence Accelerator Program To apply, complete a survey on the Track of choice: [Track K: Equitable Water Solutions](#); [Track L: Real-World Chemical Sensing Applications](#); or [Track M: Bio-Inspired Design Innovations](#).

****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.