April 9, 2025

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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.

The Purdue Office of the Executive Vice President for Research and Sponsored Program Services (SPS) have launched a website to provide the most up-to-date information to help ensure compliance by researchers who may have grants impacted by executive orders during this period of transition at the U.S. government and among U.S. federal agencies.

Researchers should continue working on their grants and contracts unless you receive instructions from your grant program officer, agency contact or Purdue SPS. Any researcher who has received or receives information from your grant program officer or agency should reach out to SPS at spsopers@groups.purdue.edu to be directed to the appropriate person to help determine actions and next steps. Likewise, if SPS receives communication from an agency, they will notify directly relevant principal investigators if action needs to be taken.

The website has the current status for each agency and will be updated as new information is available.

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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: ***None this week***

2. **Selected Funding Opportunities**:

   NSF Responsible Design, Development, and Deployment of Technologies (ReDDDoT) The ReDDDoT program invites proposals from multidisciplinary, multi-sector teams that inform, explore, and execute the principles, methodologies, implementations, and impacts associated with responsible design, development, and deployment of technologies, with a focus on artificial intelligence; biotechnology; and/or natural and anthropogenic disaster prevention or mitigation. The program has two primary aims: 1) to support and strengthen collaborations across disciplines and sectors, such as academia, industry, non-profit, and government for technology translation; and 2) to ensure that ethical, legal, and societal considerations and community values are embedded across the design, development, and deployment of use-inspired technology to promote the public's wellbeing. In FY25, the program will consider proposals for three project types: Execute, Explore, and Inform (Workshop) and should focus on one or more of the following three technology areas: artificial intelligence; biotechnology; and/or natural and anthropogenic disaster prevention or mitigation. Deadline: July 8

   NIH Ethical, Legal and Social Implications (ESLI) This NOFO invites applications that propose to study the ethical, legal and social implications (ELSI) of human genetic or genomic research. Applications may propose studies using either single or mixed methods. Approaches may include but are not limited to empirical qualitative and quantitative methods, and conceptual, legal, and normative analyses. Applied research designed to address ELSI issues in genetics and genomics will also be considered responsive.

- ***R01*** Deadline: June 17
- ***R21*** Deadline: June 17
- ***R03*** Deadline: June 17

NIH BRAIN Initiative: Brain-Behavior Quantification and Synchronization – Transformative and Integrative Models of Behavior at the Organismal Level (U01) This Brain-Behavior Quantification and Synchronization NOFO seeks applications using non-human animal models that bring together transdisciplinary teams and aim to 1) develop, validate, and apply cutting-edge tools and methods for minimally invasive, multi-dimensional, high-resolution measurement of behavior at the organismal level, with synchronous capture of data from the dynamic environment of the organism; 2) develop advanced analytic approaches to integrate multidimensional behavioral, neural and environmental data; and 3) develop and test new theoretical and computational models aiming to advance understanding of behavior as a complex dynamic system. Proposed projects are expected to be designed with the capacity to integrate synchronously recorded neural data and/or inform existing models of neurobehavioral function, such as those developed with the support of the NIH BRAIN Initiative. This NOFO is intended for applications using non-human animal models. Deadline: October 9

DOD-CDMRP Preannouncements released for Alzheimer's Research Program (AZRP), Amyotrophic Lateral Sclerosis Research Program (ALSRP), Breast Cancer Research Program (BCRP), Duchenne Muscular Dystrophy (DMDRP), Melanoma Research Program (MRP), Military Burn Research Program (MBRP), Ovarian Cancer Research Program (OCRP), Prostate Cancer Research Program (PCRP), Rare Cancers Research Program (RCRP), and Toxic Exposures Research Program (TERP). The FY25 Defense Appropriations Bill has not been signed into law. The CDMRP is unable to release new funding opportunities under the current Continuing Resolution. The CDMRP is providing pre-announcement information to allow investigators time to plan and develop ideas for submission to anticipated funding opportunities should the CDMRP receive FY25 appropriations.

DOD-DARPA Reengineering Enabling Sleep Transitions in Operationally Restrictive Environments (RESTORE) DARPA is soliciting innovative proposals that leverage emerging neuromodulation technologies to enhance sleep efficiency and performance under sleep-restricted conditions. The RESTORE program aims to develop multimodal, multitarget, noninvasive neuromodulation methods to repair disrupted sleep architectures caused by sleep restriction, with the ultimate goal of improving cognitive performance. Proposed research should investigate innovative approaches that enable revolutionary advances in the mechanisms of sleep related to performance psychology. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. Deadlines: April 14 – Abstract; June 18 - Proposal

Michelson Prizes: Next Generation Grant The $150,000 Michelson Prizes are awarded annually to support early-career investigators working to advance human immunology, vaccine discovery, and immunotherapy research for major global diseases. The Michelson Prizes is looking for research proposals on human immunology and vaccine research. While the Michelson Prizes are focused on research in the fields of immunology, vaccine, and immunotherapy discovery, applicants from the full spectrum of related disciplines, including clinical research, biochemistry, molecular biology, protein engineering, computer science, artificial intelligence/machine learning, biophysics, nanotechnology, etc., are encouraged to apply. Researchers must be 35 years of age or under to be eligible. Deadline: June 22

Spencer Foundation Large Research Grants The Large Research Grants on Education Program supports education research projects that will contribute to the improvement of education, broadly conceived, with budgets ranging from $125,000 to $500,000 for projects ranging from one to five years. This program is "field-initiated" in that proposal submissions are not in response to a specific request for a particular research topic, discipline, design, method, or location. Our goal for this program is to support rigorous, intellectually ambitious and technically sound research that is relevant to the most pressing questions and compelling opportunities in education. Deadlines: May 14 – LOI; June 17 - Proposal

American Physical Society (APS) Innovation Fund The APS Innovation Fund offers pilot or supplemental funding to support members in launching innovative projects that address challenges in the physics community while advancing the APS mission of fostering a vibrant, inclusive, and global community committed to science and societal impact. The theme for 2025 is Capacity Building for Education and Careers in Climate Science. It aims to empower physics departments, educators, and industry leaders to create or expand programs that enhance access, deepen knowledge, and increase opportunities in physics-based climate science education and career pathways. It also strives to showcase physic's vital role in advancing climate science and addressing global challenges. Deadline: May 2 – Preproposal

Prostate Cancer Foundation 2025 PCF Challenge Awards PCF will support high-risk, currently unfunded projects from academic institutions around the world. Grants will be awarded to teams of at least three investigators from nonprofit academic research centers—including one young investigator—and will support large-scale research projects concerning metastatic, lethal prostate cancer. Grants of up to $1 million per team over a duration of two years will be awarded. Research proposals in the following topic areas are solicited: theranostics; drugging currently undruggable oncology targets; preventing progression to lethal disease; improved biotechnologies for precision medicine; first-in-field immunotherapies for prostate cancer; AI/machine learning to better inform patient outcomes; and host microbiome and tumor metabolism. Deadline: May 5