July 2, 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: DOC NATCAST 2025 Workforce Awards Program Through the Workforce Awards, Natcast will invest in semiconductor industry-related training and educational supports for American workers to help close workforce and skills gaps in the United States for researchers, engineers, and technicians involved in semiconductor design, manufacturing, and production. Illustrative examples of evidence-based workforce development strategies and methodologies that may be considered for this program include, but are not limited to initiatives that: Support paid work-based learning, including registered apprenticeship and pre[1]apprenticeship programs; Issue industry-recognized credentials; Confer semiconductor industry-relevant degrees, such as undergraduate or graduate programs in computer engineering, electrical engineering, technology, informatics, computer programming, chemical engineering, or industrial engineering, offered by two- or four-year colleges or universities; Modernize or create curriculum, including with direct input from employers; Combine on-the-job training, industry-aligned curriculum, effective classroom instruction, mentorship, credentialing, and/or recognized wage gains for demonstrated skills milestones; Provide training integrated with additional supports that reduce barriers to entry in program participation (i.e. transportation); Enhance the capacity and skills of educators; and Facilitate experiential learning opportunities such as worker cooperatives, externships, internships, or capstone projects. Purdue is planning a coordinated response. Contact Sumar Kaukab, skaukab@purdue.edu, for more information. Only ***one*** submission is allowed per institution.

   Internal deadline: Preproposal due by July 17 to EngrResearch@purdue.edu. TEMPLATE

   Sponsor deadlines: August 11 – LOI; October 15 – Full proposal

2. **Selected Funding Opportunities**:

NOTICE REGARDING NSF OPPORTUNITIES NSF has these opportunities listed with pending dates but it is unclear if these programs will actual proceed or not as some previously posted opportunities have been cancelled. Please contact the appropriate NSF Program Officer for the latest status on any opportunity of interest.

NSF Pathways to Enable Open-Source Ecosystems (POSE) The Pathways to Enable Open-Source Ecosystems (POSE) program aims to harness the power of open-source development for the creation of new technology solutions to problems of national and societal importance. The overarching vision of POSE is that proactive and intentional formation of managing organizations will ensure adoption of open-source products; increased coordination of external intellectual content developer contributions; and a more focused route to technologies with broad societal impact. Toward this end, the POSE program supports the formation of new OSE managing organizations based on an existing open-source product or class of products, whereby each organization is responsible for the creation and management of processes and infrastructure needed for the efficient and secure development and maintenance of an OSE. There are two phases: Phase I – OSE Scoping and Planning Proposals; Phase II – Establishment and Expansion Proposals. Deadline: September 2

NSF Science of Organizations (SoO) SoO funds research that advances our fundamental understanding of how organizations develop, form and operate. Successful SoO research proposals use scientific methods to develop and refine theories, to empirically test theories and frameworks, and to develop new measures and methods. Funded research is aimed at yielding generalizable insights that are of value to the business practitioner, policy-maker and research communities. Deadline: September 3

NSF Smart and Connected Communities (S&CC) The purpose of the NSF Smart and Connected Communities (S&CC) program solicitation is to accelerate the creation of novel intelligent technologies and concepts through high-risk/high-reward research that addresses major challenges and issues faced by communities across the US. A "smart and connected community" is defined as a community that synergistically integrates intelligent technologies with the natural and built environments and with the functions of civic institutions and organizations. Proposals submitted to the program should be designed to advance one or more of the following community priorities: economic opportunity and growth; safety and security; human and environmental health and wellness; accessibility of critical services and resources; and the overall quality of life for those who live, work, learn, or travel within the community. Deadlines: September 8 – Preliminary proposal; November 10 – Full proposal

NSF Science of Science: Discovery, Communication and Impact (SoS:DCI) The Science of Science: Discovery, Communication and Impact (SoS:DCI) program is designed to advance theory and knowledge about increasing the public value of scientific activity. Science of Science draws from multiple disciplinary and field perspectives to advance theory and research about scientific discovery, communication and impact. SoS:DCI welcomes proposals applying rigorous empirical research methods to advance theory and knowledge on: The social and structural mechanisms of scientific discovery; Theories, frameworks, models and data that improve our understanding of scientific communication and outcomes; or The societal benefits of scientific activity and how science advances evidence-based policy making and the creation of public value. Deadline: On-going

NSF A Science of Science Approach to Analyzing and Innovating the Biomedical Research Enterprise (SoS:BIO)
Both NSF and NIH believe that there are opportunities and needs for building and supporting research projects with a focus on the scientific research enterprise. The two agencies also recognize that when programmatic goals are compatible, coordinated management and funding of a research program can have a positive synergistic effect on the level and scope of research and can leverage the investments of both agencies. Therefore, NIGMS and SBE are partnering to enable collaboration in research between the SoS:DCI program and NIGMS. This partnership will result in a portfolio of high-quality research to provide scientific analysis of important aspects of the biomedical research enterprise and efforts to foster a diverse, innovative, productive and efficient scientific workforce, from which future scientific leaders will emerge. Deadline: September 9

NSF IUSE/Professional Formation of Engineers: Revolutionizing Engineering Departments (IUSE/PFE: RED) The Directorates for Engineering (ENG) and STEM Education (EDU) are funding projects as part of the RED program, in alignment with the Improving Undergraduate STEM Education (IUSE) framework and Professional Formation of Engineers (PFE) initiative. These projects are designing revolutionary new approaches to engineering education, ranging from changing the canon of engineering to fundamentally altering the way courses are structured to creating new departmental structures and educational collaborations with industry. A common thread across these projects is a focus on organizational and cultural change within the departments, involving students, faculty, staff, and industry in rethinking what it means to provide an engineering program. The RED program supports four tracks: RED Planning (Track 1), RED Adaptation and Implementation (Track 2), RED Innovation (Track 3), and RED Innovation Partnerships (Track 4). Deadline: September 9

NSF Dynamic Language Infrastructure - NEH Documenting Endangered Languages (DLI-DEL) This funding partnership between the National Science Foundation (NSF) and the National Endowment for the Humanities (NEH) supports projects to develop and advance knowledge concerning dynamic language infrastructure in the context of endangered human languages — languages that are both understudied and at risk of falling out of use. Made urgent by the imminent loss of roughly half of the approximately 7,000 currently used languages, this effort aims to exploit advances in human-language technology to build computational infrastructure for endangered language research. Deadline: September 15

NSF Computational and Data-Enabled Science and Engineering (CDS&E) The goal of the Computational and Data-enabled Science and Engineering (CDS&E) meta-program is to identify and capitalize on opportunities for major scientific and engineering breakthroughs through new computational and data-analysis approaches and best practices. The CDS&E meta-program supports projects that harness computation and data to advance knowledge and accelerate discovery above and beyond the goals of the participating individual programs. The intellectual drivers may be in an individual discipline or cut across more than one discipline in various Divisions and Directorates. Deadline: Varies

NSF Probability The Probability Program supports research on the theory and applications of probability. Subfields include discrete probability, stochastic processes, limit theory, interacting particle systems, stochastic differential and partial differential equations, and Markov processes. Research in probability which involves applications to other areas of science and engineering is especially encouraged. Deadline: September 16

NSF Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences (DMS/NIGMS) The Division of Mathematical Sciences (DMS) in the Directorate for Mathematical and Physical Sciences (MPS) at the National Science Foundation (NSF) and the National Institute of General Medical Sciences (NIGMS) at the National Institutes of Health (NIH) plan to support fundamental research in mathematics and statistics necessary to answer questions in the biological and biomedical sciences. Both agencies recognize the need to promote research at the interface between mathematical and life sciences. This program is designed to encourage new collaborations, as well as to support innovative activities by existing teams. The joint DMS/NIGMS initiative offers two submission tracks: Track 1 - for projects with a total budget of up to $600,000 for an award duration of 3 years, and Track 2 - for projects with a total budget of up to $1,200,000 for an award duration of 3-4 years. Deadline: September 18

DOD-DARPA CoasterChase DARPA is soliciting innovative proposals that leverage a novel understanding of the enteric nervous system as well as emerging neuromodulation technologies to selectively target neurons in the small intestine and alter the body's stress response. The CoasterChase program aims to develop a multimodal, ingestible, sensing and stimulation platform for use in monitoring and modulating biomarkers of acute stress from within the small intestine. Proposed research should investigate innovative approaches that enable revolutionary advances in enteric neuromodulation and sensing, ingestible electronics, and modulation of the stress response. Deadlines: July 24 – Abstract; August 28 - Proposal

DOD-NAVAIR FY25 Naval Air Warfare Center Aircraft Division Office-wide BAA The Naval Air Warfare Center Aircraft Division (NAWCAD) is interested in receiving white papers for Research and Development projects which offer potential for advancement and improvement of NAWCAD operations. Areas of interest include: Advanced manufacturing; Aeromechanics; Artificial Intelligence/Machine Learning; Autonomy; Avionics, sensors & electronic warfare; Cyber; Data science & visualization; Digital Engineering; Human systems; Hypersonic systems; Materials and aircraft structures; Mechanical systems; Power and propulsion systems; Quantum; Secure communications & networks; Support equipment; and Test and evaluation engineering. Deadline: On-going

NASA Innovative Advanced Concepts (NIAC) Phase I The NASA Innovative Advanced Concepts (NIAC) Program focuses on early-stage feasibility studies of visionary concepts that address national government and commercial aerospace goals. Concepts are solicited from any field of study that offers a radically different approach or disruptive innovation that may significantly enhance or enable new human or robotic science and exploration missions. NIAC is particularly interested in concepts that are creative and unexplored; ideas that have been studied, but not yet applied, are generally not appropriate unless there is a novel aspect that significantly increases its benefit or feasibility. Phase I awards are for efforts up to nine months funded at up to $175,000 per award to explore the overall feasibility and viability of visionary concepts. Deadlines: July 15 – Step A; October 7 – Step B by invite

American Hearing Research Foundation Hearing & Balance Disorders of the Inner Ear & Related Topics – Discovery Grants Each year AHRF typically funds four to ten Discovery Grants for studies that investigate various aspects of hearing and balance disorders related to the inner ear. Applicants may request up to $50,000 for one year of research. Applications to the American Hearing Research Foundation are evaluated for novelty, significance, relevance to the mission of AHRF, feasibility, investigator, approach, statistical analysis/outcome measures, and budget justification. Proposals should relate to the hearing or balance functions of the ear. Both basic and clinical studies may be proposed that investigate aspects of the auditory and vestibular systems including but not limited to genetics, neurotology, anatomy, auditory processing, molecular and cellular biology, therapeutic studies, and investigations of current or experimental devices (i.e., cochlear implants). Applicants must hold an MD, PhD, AuD, or equivalent degree(s) and be associated with a university or hospital in the United States. Priority is given to investigators early in their careers who need seed funds to generate results and data that can be used to support applications for larger grants (i.e., NIH grants) in the future. Deadline: August 15

BrightFocus Foundation Macular Degeneration Research New Investigator Grant Program This research grant program is restricted to new and early investigators who have received their MD, PhD, or equivalent degree and/or completed formal medical training/residency within the past 10 years at the time of application. It is intended to support investigators during their early years as independent investigators involved in studies that have an impact on the causes and/or treatment of macular degeneration. Awards are $150,000/year for up to three years. Deadlines: July 17 – LOI; December 4 – Full application

BrightFocus Foundation Macular Degeneration Research Innovative Research Grants This program is intended to provide support for high-risk/high-gain age-related macular degeneration research. We hope to attract established investigators to apply for this support, but the aims of the application must contain outside-the-box ideas that are novel in the field. Applicants who are experts in another field are encouraged to apply their talents to proposing innovative research in the macular degeneration field. Awards are $200,000 (max)/year for up to three years. Candidates must hold an MD, PhD, DVM, DO, OD or equivalent degree. Deadlines: July 17 – LOI; December 4 – Full application

Simons Foundation 2025 Data Analysis The goal of this award is to increase use of large, publicly available data resources by supporting investigators to allocate time and personnel toward working in and publishing from these previously collected data. Applications should leverage existing publicly accessible datasets to ask new questions and extract new knowledge. Priority will be given to applications that use SFARI-supported resources, although all applications will be considered as long as data are publicly accessible at the time of application.

Proposed questions should be relevant to SFARI's mission. A informational Zoom will be held on July 23. Deadline: September 4

3. **Anticipated Funding Opportunities**

NIH Pilot Projects Enhancing Utility and Usage of Common Fund Data Sets (R03)

NIH Promoting a Basic Understanding of Chemical Threats to Skin (R01)

NIH Maximizing Investigators' Research Award

NIH Selective Precision Targeting (SPoT)

NIH Biomarkers of Cognitive Decline and Dementias of Aging in Individuals within the Autism Spectrum

NIH Extracellular Vesicle Therapeutics for Regenerative Medicine (ExTReMe)

NIH NIGMS Institutional Biomedical Undergraduate Research Training Program

4. **Other:**

Indiana CTSI AI Workshop Series This monthly workshop series will educate attendees on leveraging AI basic principles and tools to improve productivity, facilitate work processes, and address ethical considerations. First workshop will be on July 30, 12:00PM to 1:00PM at Regenstrief Institute Social Hub and Online. Topic is: *An Introduction to the New "Generation" of AI* Presented by Shaun Grannis, MD. The next will be on August 6 from 12:00PM to 1:00PM. Topic will be: AI in the *Research Workflow: Practical Applications of Large Language Models Across the Stages of Research* Presented by Kosali Simon, PhD, MA