

Please see below for a partial list of funding opportunities of interest to faculty and full-time research staff. **The list is not intended for students.**

PLEASE NOTE: Pivot 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](#).

****** To receive this newsletter directly to your inbox, please sign up for the listserv by emailing listserv@lists.purdue.edu. Leave the subject blank and in the message body type: subscribe Weeklyfundingopps [your_first_name] [your_last_name]. Only *purdue.edu* e-mail addresses will be accepted. ******

Please contact Sue Grimes (sgrimes@purdue.edu) with any questions.

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.

Limited Submission: None this week

2. **Selected Funding Opportunities:**

[NSF Foundations for Digital Twins as Catalyzers of Biomedical Technological Innovation \(FDT-BioTech\)](#) The FDT-BioTech program supports inherently interdisciplinary research projects that underpin the mathematical and engineering foundations behind the development and use of digital twins and synthetic data in biomedical and healthcare applications, with a particular focus on digital, in silico models used in the evaluation of medical devices and the relevance of the developed models in addressing current and emerging challenges affecting the development and assessment of biomedical technologies. The goal of the FDT-BioTech initiative is to catalyze biomedical technological innovation through new foundational development of methods and algorithms relevant to digital twins and synthetic humans. Deadline: June 21

[NSF Mathematical Foundations of Digital Twins](#) The NSF Division of Mathematical Sciences (DMS) and the Air Force Office of Scientific Research (AFOSR) plan to jointly support foundational mathematical and statistical research on Digital Twins in applied sciences. This program encourages new collaborative efforts within the realm of Digital Twins, aiming at stimulating fundamental research innovation, pushing, and expanding the boundaries of knowledge, and exploring new frontiers in mathematics and computation for Digital Twin development, and its applications. By leveraging this synergy, the program aims to harness science, technology, and innovation to address some of our Society's most pressing challenges. Deadline: June 20

[NSF Data Science Corps \(DSC\)](#) The objective of the Data Science Corps program is to help build a strong national data science infrastructure and workforce. The Data Science Corps program seeks to engage data science students in real-world data science implementation projects. This engagement will help bridge the data-to-knowledge gap in organizations and communities at all levels, including local, state, and national, and will empower better use of data for more effective decision making. Deadline: June 21

[NSF Dear Colleague Letter: Research Internships for Graduate Students at U.S. Army Combat Capabilities Development Command Army Research Laboratory and Ground Vehicle Systems Center \(NSF-DEVCOM INTERN\) Supplemental Funding Opportunity](#) The NSF and U.S. Army Combat Capabilities Development Command Army Research Laboratory (DEVCOM ARL) and Ground Vehicle Systems Center (DEVCOM GVSC) have entered into a partnership to support the development of graduate students to meet both the NSF's strategic workforce development objectives as well as DEVCOM ARL's and DEVCOM GVSC's mission to advance cutting-edge scientific discovery, technological innovation and transition of knowledge products to empowering U.S. Army capabilities today and in the future. They will consider supplemental funding requests that enable PIs (or co-PIs) to request up to six months of additional support for graduate students supported on active NSF grants. Deadline: On-going

[NIH New Approaches for Measuring Brain Changes Across Longer Timespans \(R01\)](#) The purpose of this funding opportunity is to encourage multidisciplinary investigators to develop new approaches or apply existing approaches in novel ways to measure brain activity, connectivity, genomics, or other aspects across the age spectrum of neurodevelopment. The overarching goal is to extend our understanding of brain development and aging, including studies of the neurodevelopmental origins of later health and disease. Research can include healthy human participants of any age; specific clinical groups such as those with cognitive, motor, or affective regulation challenges; and/or animal research on these domains of function. Deadline: June 5

[NIH BRAIN Initiative: Preclinical Proof of Concept for Novel Recording and Modulation Technologies in the Human CNS \(R18\)](#) Awarded activities will facilitate the translation of novel recording and modulation technologies that can be used to treat and/or diagnose central nervous system (CNS) diseases and disorders and to better understand the human CNS, from proof of concept up to the stage of readiness for first in human (FIH) studies. Technologies may incorporate any signal modality (e.g., electrical, optical, magnetic, acoustic) or a combination thereof. Diverse team-based applications that integrate appropriate domains of expertise are encouraged. Deadline: May 29

[NIH HEAL Initiative: Studies to Enable Analgesic Discovery \(R61/R33\)](#) This NOFO aims to encourage research grant applications for initial translational efforts that will enable a drug discovery program for novel, non-opioid, and non-addictive treatments for pain. The program provides funding to develop and validate assays to support a distinct testing funnel and conduct screening efforts to identify and characterize potential therapeutic agents including small molecules, biologics, and natural products. Preliminary in vivo pharmacokinetic, pharmacodynamic, and efficacy studies may also be supported. Deadline: June 18

[NIH Technologies and Assays for Therapeutic Genome Editing INDs \(U01\)](#) The purpose of this NOFO is to solicit applications on the optimization and characterization of technologies and assays with the potential for utilization and adoption in regulatory submissions of genome editing therapeutics. Deadline: July 26

[NIH Directors Pioneer Award Program \(DP1\)](#) This program supports individual scientists of exceptional creativity who propose bold and highly innovative research projects with the potential to produce a major impact on broad, important areas relevant to the mission of NIH. To be considered pioneering, the proposed research must reflect substantially different scientific directions from those already being pursued in the investigator's research program or elsewhere. Deadline: September 9

[NIH Notice of Special Interest \(NOSI\): School Mental Health: Innovative Approaches to Expand Access to Evidence-Based Interventions and Services](#) NIMH is issuing this NOSI to outline priorities for school-based intervention and services research. This NOSI encourages applications that incorporate: (1) end-user/community-engaged approaches with systematic attention to challenges related to gaining access to schools, competing demands/workload issues, workforce shortages, and privacy concerns; (2) research-practice partnerships that leverage existing practice infrastructure; (3) plans to quantify the resources necessary to implement the intervention, tool, or strategy; and (4) strategies that promote health equity. Deadline: June 5

NIH Notice of Special Interest (NOSI): Development of Imaging Techniques for High Resolution and Functional Scanning of In Vivo Human Sensory and Communication Systems NIDCD encourages the development of imaging techniques for application in humans, and in animals if readily applicable to humans, to significantly increase the resolution for visualizing living tissue in greater detail within the clinical setting. Increases in functional imaging capabilities in vivo for humans are also desired. NIDCD supports basic, translational, and clinical research on hearing, balance, taste, smell, voice, speech, and language. Deadline: May 7

DOD-CDMRP Funding Opportunities

- **Breast Cancer, Transformative Breast Cancer Consortium Award** Deadlines: May 1 – Pre-application; August 6 – Application
- **Breast Cancer, Breakthrough Award Level 1 and 2** Deadlines: May 16 – Pre-application; May 30 – Application
- **Breast Cancer, Breakthrough Award Level 3** Deadlines: May 14 – Pre-application; August 6 – Application
- **Breast Cancer, Breakthrough Award Level 4** Deadlines: May 14 – Pre-application; August 6 – Application
- **Breast Cancer, Clinical Research Extension Award** Deadlines: May 23 – Pre-application; June 4 – Application
- **Breast Cancer, Era of Hope Scholar Award** Deadlines: May 23 – Pre-application; June 4 – Application
- **Breast Cancer, Transformative Breast Cancer Consortium Development Award** Deadlines: May 16 – Pre-application; May 30 – Application
- **Epilepsy Virtual Post-Traumatic Epilepsy Research Center - Faculty Award** Deadlines: June 5 – Pre-application; June 20 – Application
- **Epilepsy Research Partnership Award** Deadlines: Deadlines: June 5 – Pre-application; June 20 – Application
- **Epilepsy Idea Development Award** Deadlines: June 5 – Pre-application; June 20 – Application
- **Epilepsy Leveraging Research Award** Deadlines: Deadlines: June 5 – Pre-application; June 20 – Application
- **Autism, Clinical Trial Award** Deadlines: May 16 – Pre-application; August 15 – Application
- **Autism, Idea Development Award** Deadlines: May 16 – Pre-application; August 15 – Application
- **Autism, Career Development Award** Deadlines: May 16 – Pre-application; June 26 – Application
- **Hearing Restoration Focused Research Award** Deadlines: July 22 – Pre-application; August 9 – Application
- **Lung Cancer, Translational Research Award** Deadlines: May 28 – Pre-application; August 7 – Application
- **Lung Cancer, Idea Development Award** Deadlines: May 28 – Pre-application; August 7 – Application
- **Lung Cancer, Career Development Award** Deadlines: May 28 – Pre-application; June 17 – Application
- **Lung Cancer, Concept Award** Deadlines: May 28 – Pre-application; June 17 – Application
- **Lung Cancer, Patient-Centered Outcomes and Survivorship Award** Deadlines: July 17 – Pre-application; August 7 – Application
- **Amyotrophic Lateral Sclerosis, Pilot Clinical Trial Award** Deadlines: May 24 – Pre-application; July 10 – Application
- **Amyotrophic Lateral Sclerosis, Clinical Outcomes and Biomarkers Award** Deadlines: May 24 – Pre-application; July 10 – Application
- **Amyotrophic Lateral Sclerosis, Therapeutic Development Award** Deadlines: May 24 – Pre-application; July 10 – Application
- **Amyotrophic Lateral Sclerosis, Therapeutic Idea Award** Deadlines: May 24 – Pre-application; July 10 – Application
- **Peer Reviewed Alzheimer's Transforming Diagnosis Award** Deadlines: May 22 – Pre-application; June 20 – Application
- **Peer Reviewed Alzheimer's Transforming Research Award** Deadlines: May 22 – Pre-application; June 20 – Application

- [Peer Reviewed Alzheimer's Transforming Care Award](#) Deadlines: May 22 – Pre-application; June 20 – Application
- [Spinal Cord Injury Research Program Translational Research Award](#) Deadlines: May 20 – Pre-application; July 5 – Application
- [Spinal Cord Injury Research Program Investigator-Initiated Research Award](#) Deadlines: May 20 – Pre-application; July 5 – Application
- [Spinal Cord Injury Research Program Clinical Trial Award](#) Deadlines: May 20 – Pre-application; July 5 – Application
- [Spinal Cord Injury Research Program Clinical Translation Research Award](#) Deadlines: May 20 – Pre-application; July 5 – Application
- [Ovarian Cancer Clinical Trial Award](#) Deadlines: June 3 – Pre-application; August 6 – Application
- [Ovarian Cancer Research Program Investigator-Initiated Research Award](#) Deadlines: May 14 – Pre-application; August 6 – Application
- [Ovarian Cancer Research Program Ovarian Cancer Academy - Leadership Award](#) Deadlines: June 3 – Pre-application; August 6 – Application
- [Ovarian Cancer Research Program Pilot Award](#) Deadlines: May 14 – Pre-application; August 6 – Application
- [Ovarian Cancer Clinical Trial Translational Endpoints Research Award](#) Deadlines: June 3 – Pre-application; August 6 – Application
- [Peer Reviewed Medical, Technology/Therapeutic Development Award](#) Deadlines: May 13 – Pre-application; June 6 – Application
- [Peer Reviewed Medical, Investigator-Initiated Research Award](#) Deadlines: May 6 – Pre-application; May 23 – Application
- [Peer Reviewed Medical, Lifestyle and Behavioral Health Interventions Research Award](#) Deadlines: May 13 – Pre-application; June 6 – Application
- [Peer Reviewed Medical, Impact Award](#) Deadlines: May 13 – Pre-application; June 6 – Application
- [Peer Reviewed Medical, Clinical Trial Award](#) Deadlines: May 13 – Pre-application; August 19 – Application
- [Peer Reviewed Medical, Discovery Award](#) Deadlines: May 6 – Pre-application; May 23 – Application
- [Vision Research, Mentored Clinical Research Award](#) Deadlines: August 8 – Pre-application; August 23 – Application
- [Spinal Cord Injury Research Program Clinical Trial Award](#) Deadlines: May 20 – Pre-application; August 30 – Application
- [Spinal Cord Injury Research Program Translational Research Award](#) Deadlines: May 20 – Pre-application; August 30 – Application
- [Spinal Cord Injury Research Program Clinical Translation Research Award](#) Deadlines: May 20 – Pre-application; August 30 – Application

[DOC-NIST Regional Alliances and Multistakeholder Partnerships to Stimulate \(RAMPS\) Cybersecurity Education and Workforce Development](#)

The NIST National Initiative for Cybersecurity Education (NICE) is seeking applications from eligible applicants for activities to establish community-based partnerships to develop cybersecurity career pathways that address local workforce needs. Each application for funding pursuant to this NOFO must include a plan to establish a **multistakeholder** education and workforce partnership that includes, at a minimum, one institution of higher education or nonprofit training organization (that is not the applicant), and one local employer or owner or operator of critical infrastructure (that is not the applicant). Cost sharing is required of at least 50%. Deadline: May 24

[DOC-NOAA RESTORE Science Program FFO 2025 Long-term Trends](#)

This funding opportunity is designed to support projects that will contribute to our knowledge of the trends and variability in the Gulf of Mexico's natural resources, and the associated dynamics of abiotic and biotic factors driving those trends. Consistent with the need for long-term study, these projects will be funded for five years with the option for an additional five years of funding through a non-competitive renewal award. the five Gulf of Mexico States (Florida, Alabama,

Mississippi, Louisiana, and Texas). However, investigators that are not employed by or associated with Gulf of Mexico-based eligible entities are strongly encouraged to collaborate with partners from Gulf of Mexico-based eligible entities. Deadlines: May 23 – Letter of intent; August 22 – Full proposal

[DoED-OSEP Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities--The National Center for Systemic Improvement](#) The purpose of the Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities program is to promote academic achievement and to improve results for children with disabilities by providing TA, supporting model demonstration projects, disseminating useful information, and implementing activities that are supported by scientifically based research. Deadline: May 20

3. Anticipated Funding Opportunities

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

[NIH Notice of Intent to Publish a Funding Opportunity Announcement for Materials to Enhance Training in Experimental Rigor \(METER\) \(UE5\)](#)