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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.

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 EVPRPlimited@purdue.edu.

Limited Submission: None this week

Internal Coordination Required: [DOC-NIST FY2024 CHIPS for America](#) The purpose of the CHIPS Research and Development (R&D) programs is to advance the development of semiconductor technologies and to enhance the competitiveness of the U.S. semiconductor industry. The CHIPS R&D programs address five cross-cutting issues that were identified through interactions with stakeholders and include: Access to facilities and equipment for late-stage R&D and prototyping; Advanced packaging and testing; Advanced metrology and characterization; Advanced manufacturing technology; and Workforce development. NIST will release a series of NOFOs under this program and it is anticipated that most, if not all, will be limited submission, including those where Purdue is a sub-awardee. **Based on the complexity of this program, all submissions involving Purdue as a participant will be coordinated through OOR at all stages (white paper and full submissions) including those participating as a sub-awardee.**

Internal deadline: Contact OORLimited@purdue.edu if interested in participating in any of these NIST opportunities

Sponsor deadline: On-going

2. **Selected Funding Opportunities:**

[NSF Correctness for Scientific Computing Systems \(CS²\)](#) CS² is a joint program of the NSF and the DOE. The program's overarching goal is to elevate correctness as a fundamental requirement for scientific computing tools and tool chains, spanning low-level libraries through complex multi-physics simulations and emerging scientific workflows. CS² requires close and continuous collaboration between researchers in two complementary areas of expertise. One area is scientific computing, which, for this solicitation, is broadly construed to include: models and simulations of scientific theories; management and analysis of data from scientific simulations, observations, and experiments; libraries for numerical computation; and allied topics. The second area is formal reasoning and mechanized proving of properties of programs, which, for this solicitation, is broadly construed to include automatic/interactive/auto-active verification, runtime verification, type systems, abstract interpretation, programming languages, program analysis, program logic, compilers, concurrency, stochastic reasoning, static and dynamic testing, property-based testing, and allied topics. Deadline: August 13

[NSF Dear Colleague Letter: Mathematical Modeling of Policy Options for Evolving Public Health Challenges \(MPOPHC\)](#) This DCL encourages the submission of research projects aimed at mathematical modeling of the transmission of respiratory pathogens among human hosts, the most likely cause of future pandemics, with a focus on policy options for evolving public health challenges. This joint activity will provide support to multidisciplinary teams that work on increasing the quality of mechanistic models capable of evaluating the merits of alternative policies for mitigating public health threats. Proposers are encouraged to explore a wide range of innovations that address various aspects of this challenge and to use different modeling techniques. Deadline: June 20

[NIH Exploratory/Developmental Research for World Trade Center Health Program Evidence-based Strategies to Improve Treatment Effectiveness, Diagnostic Practices, and Program Evaluation \(R21\)](#) This WTC Health Program R21 Notice of Funding Opportunity (NOFO) is intended to encourage exploratory/developmental research by providing support for the early and conceptual stages of project development which assess the feasibility of new areas of investigation with the potential to enhance treatment effectiveness and diagnostic practices. These studies may lead to breakthroughs in a particular area, or to the development of new interventions, techniques, agents, methodologies, models, or approaches with major clinical impacts. These studies are expected to break new ground or extend prior discoveries toward new directions or uses. Applicants are expected to propose research for which there is likely to be minimal or no preliminary data. Deadline: October 29

[NIH NINDS Research Education Opportunities \(R25\)](#) The purpose of this NOFO is to encourage applications for the initiation or continuation of nationally available neuroscience research education programs that will significantly advance the mission of NINDS. The primary focus of programs submitted under this NOFO should be on intensive hands-on experience that will provide research experience, an in-depth understanding of techniques, analytic approaches and theory, and expertise that is only possible from a nationally organized program. Within the context of gaining expertise primarily through hands-on experience, programs must also include immersive coursework and expert discussion when appropriate. Programs appropriate for this NOFO must include a nationwide recruitment process to encourage applications from prospective participants and an established application and selection process. Deadline: July 15

[NIH ML/AI Tools to Advance Genomic Translational Research \(MAGen\) - Development Sites \(UG3/UH3\)](#) The NOFO is to solicit applications to explore the feasibility of developing Machine Learning (ML) and Artificial Intelligence (AI) tools that can enhance the accuracy and precision of predicting how individuals with pathogenic genetic variants manifest disease. NHGRI aims to establish a research Consortium, ML/AI Tools to Advance Genomic Translational Research (MAGen), to collaboratively identify both genomic and non-genomic factors influencing disease development in individuals carrying pathogenic genetic variants. The ML/AI tools will leverage existing multimodal genomic and non-genomic data and will be cross validated in genomic translational research settings to ensure the robustness and generalizability of the tools for translational purposes. See the [companion opportunity](#) for Coordinating Center. Deadline: July 26

[NIH Mentored Career Development Award to Promote Faculty Diversity in Biomedical Research \(K01\)](#) This Notice of Funding Opportunity (NOFO) invites applications to provide career development activities for a diverse pool of highly trained investigators in research areas of interest to the NHLBI. The career development will take place under the guidance of an experienced mentor in the biomedical, behavioral or clinical sciences leading to research independence. It is targeted toward individuals whose basic, clinical, and translational research interests are grounded in the advanced methods and experimental approaches needed to solve problems related to cardiovascular, pulmonary, and hematologic diseases and sleep disorders in the general and health disparities populations. This NOFO does not allow independent clinical trials. See the [companion opportunity](#) for those wishing to pursue a clinical trial. Deadline:

[DOD-CDMRP Duchenne Muscular Dystrophy Research Program \(DMDRP\)](#) The vision of the FY24 DMDRP is to preserve and improve the function and quality of life, and to extend the life span of all individuals with Duchenne Muscular Dystrophy (DMD). As such, the DMDRP seeks to support discovery, development, and delivery of therapeutics for DMD at all stages of the disease for the benefit of military Families and the general public. Mechanisms include: Idea Development Award and Clinical/Translational Research Award. Deadlines: August 1 – Pre-application; August 22 - Application

[DOD-CDMRP Parkinson's Research Program \(PRP\)](#) The mission of the PRP is to support high impact Parkinson's research that alters disease progression, improves disease symptoms, and develops treatments that benefit Service members and their families, Veterans, and the general public. Mechanisms include: Early Investigator Research Award and Investigator-Initiated Research Award. Deadlines: July 17 – Pre-application; August 6 - Application

[DOD-CDMRP Peer Reviewed Cancer Research Program \(PRCRP\)](#) The goal of the PRCRP is to improve mission readiness and quality of life by decreasing the burden of cancer on Service Members, their Families, Veterans, and the American public. The PRCRP is charged by Congress with the mission to investigate cancer risks and knowledge gaps that may be relevant to active-duty Service Members, their Families, Veterans, and the American public. Mechanisms include: Career Development Award – Scholar Option; Idea Award; Impact Award; and Patient Well-being and Survivorship Award. Deadlines: Vary by mechanism

[DOD-CDMRP Peer Reviewed Orthopaedic Research Program \(PRORP\)](#) The FY24 PRORP challenges the scientific community to address the most significant gaps in care for the leading burden of injury and for facilitating return to duty. The program intends to support high-impact and clinically relevant research to advance treatment and rehabilitation from orthopaedic injuries (excluding spinal cord injuries) sustained during combat and service-related activities to maximize return to duty. It is expected that research findings would also benefit the general population. Mechanisms include: Applied Research Award; Clinical Trial Award; Clinical Translational Research Award; and Women's Health Research Award. Deadlines: Varies by mechanism

[DOD-DARPA COmpact Front-end Filters at the EElement-level \(COFFEE\), TA2](#) COFFEE TA2 will capitalize on the breakthroughs in RF filter size and performance made during the COFFEE program by integrating COFFEE filters into exemplars that demonstrate interference suppression. COFFEE TA2 is open to a range of applications and definitions of disruptive potential. Some examples include: a radical change to an industry or market, broad societal and/or DoD impact, new or greatly accelerated breakthrough capabilities, discovery of a new field of scientific inquiry, and performance well beyond stated metrics. Proposers should clearly show how they will achieve the disruptive potential of COFFEE technology through their exemplar filters and how the effort supports a transition strategy after the COFFEE program has concluded. Deadlines: June 4 – Abstract; August 2 – Full proposal

[USDA-FNS FY24 Behind the Tray-Food Science for School Meals](#) The purpose of the Behind the Tray – Food Science for School Meals cooperative agreement, is to develop and implement a week-long in-person science-based food safety education training program. The education program is designed to enhance the food science literacy of school nutrition professionals. Program participants should learn the fundamentals of food science and food processing, with a special emphasis on food safety and food microbiology topics, learn how this information applies to their job, apply this knowledge to their nutrition programs, and how to better communicate these topics to stakeholders. Deadline: June 25

[DoED-OESE Program and Grantee Support Services: Comprehensive Centers Program](#) The Comprehensive Centers Program supports the establishment of Comprehensive Centers to provide capacity-building services to State educational agencies (SEAs), regional educational agencies (REAs), local educational agencies (LEAs), and schools that improve educational opportunities and outcomes, close achievement gaps, and improve the quality of instruction for all students, and particularly for groups of students with the greatest need, including students from low-income families and students attending schools implementing comprehensive support and improvement or targeted or additional targeted support and improvement activities under section 1111(d) of

the Elementary and Secondary Education Act of 1965, as amended (ESEA). Deadlines: June 7 – NOI; June 24 – Application

[Allen Institute Next Generation Leaders Program](#) This program recognizes and supports emerging and diverse early career researchers, and is an opportunity to foster professional development, ideation, creativity, and scientific collaboration. New for 2024, we are looking for candidates who can engage in research disciplines across neuroscience, cell biology, immunology, synthetic biology, and data science. Next Generation Leaders complete a three-year term and will have the opportunity to engage with the Allen Institute scientific teams in Brain Science, Cell Science, Immunology, Neural Dynamics, Data Science, and Synthetic Biology; explore the concepts of Team and Open Science in developing research practices; participate in institutional programs and act as ambassadors to spread the Institute's innovations, discoveries, and values throughout the scientific research community. Eligible participants must hold a PhD or MD and be an Assistant Professor on or after April 15, 2022 or a late-stage post-doc actively seeking a faculty role. Deadline: June 5

[ASPCA Research in Animal Welfare](#) The ASPCA invites applications for its research grants program, which funds high-quality research across a variety of disciplines and methods that have clear potential to benefit animals, either directly or through effecting systems-level change. This year, proposals are being solicited in the following five research areas: Cruelty Research; Access to Veterinary Care (AVC) Research; Applied Behavior Research; Psychological Trauma Research; and Farm Animal Welfare Research. Deadline: June 30

3. **Anticipated Funding Opportunities**

[NIH Notice of Intent to Publish a Funding Opportunity Announcement for NEI Research for Low Vision and Blindness Accessibility Tools \(R61/R33\)](#)

[NIH Notice of Intent to Publish a Funding Opportunity Announcement for Examining the Impact of Artificial Intelligence \(AI\) on Healthcare Safety \(R18\)](#)

[DOE-NETL Notice of Intent to Issue Funding Opportunity Announcement Carbon Capture, Removal, and Conversion Test Centers](#)

4. **Other:**

[DOE-EERE Request for Information: Transforming Industry: Strategies for Decarbonization](#)

[DOE-NETL Notice of Intent \(NOI\) related to Critical Facility Energy Resilience \(CiFER\)](#)