April 23, 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 Mind, Machine and Motor Nexus (M3X) The M3X program supports fundamental research that enables intelligent engineered systems and humans to engage in bidirectional interaction in a physics-based environment, to enhance and ensure safety, productivity, and well-being. For the purpose of this program an intelligent engineered system is a human-designed system — physical, virtual, or a combination of both — that interacts with its environment to achieve specific goals. These systems collect data, analyze it to make informed decisions, and take actions that enhance safety, efficiency, and well-being. They may operate autonomously or collaboratively with humans, adapting their actions based on the data they collect. A key requirement for the M3X program is that these systems must function within a physics-based environment, whether physical or virtual, where interactions exhibit recognizable physical behaviors, such as those associated with gravity, friction, force, and inertia. Intelligent engineered systems are becoming increasingly integrated into our daily lives, interacting with humans across diverse environments and through different modalities (for example, visual, haptic, auditory). M3X aims to deepen the understanding of such interactions, particularly in complex and dynamic settings such as elder care, disaster response, and dynamic workplaces. The program encourages explorations into the physical or cognitive principles that enable or constrain human-machine collaboration, advancing foundational theories, interaction modeling, and technological innovations that enhance adaptability, efficiency, and intuitiveness. Proposals submitted to the M3X program must clearly articulate how the proposed

work advances knowledge of bidirectional interactions between humans and intelligent engineered systems. Deadline: On-going

NSF The Research on Research Security Program (RoRS) Collectively, the research that RoRS funds will foster a broad community that builds collaborations between the STEM research community, research security researchers, and research security practitioners. Interdisciplinary approaches are encouraged, and proposers should address how they will leverage the range of expertise, theories, and methods of the team to engage in evidence-based research on research security. Proposers are encouraged to identify collaborators across a wide range of sectors, and to consider projects in collaboration with international partners that share U.S. concerns with research security, when appropriate. RoRS encourages the following types of proposals to help build the emerging field of research on research security. Deadline: On-going

NSF Archaeology Program Senior Research Awards (Arch-SR) The Archaeology Program supports anthropologically relevant archaeological research to increase understanding of past behaviors. This means that the value of the proposed research can be justified within an anthropological context. It is the responsibility of the investigator to explain convincingly why the focus of their research is significant and has the potential to contribute to anthropological knowledge. The program sets no priorities by either geographic region or time period. It also has no priorities in regard to theoretical orientation or question. While the program, in order to encourage innovative research, neither limits nor defines specific categories of research, most proposals either request funds for field research or the analysis of archaeological material through multiple approaches. Deadline: July 1

DOD-CDMRP Amyotrophic Lateral Sclerosis Research Program (ALSRP) The ALSRP is guided by a vision to improve treatments and find cures for people with ALS. Through its award mechanisms and funding recommendations, the ALSRP specifically supports impactful research to develop ALS treatments. Mechanisms include: Therapeutic Idea Award; Pilot Clinical Trial Award; Therapeutic Development Award; and Clinical Outcomes and Biomarkers Award. Deadlines: June 6 – Pre-application; August 27 - Application

Susan G. Komen-Lobular Breast Cancer Alliance Metastatic Invasive Lobular Carcinoma Research Grant Thus, the goal of the Metastatic Invasive Lobular Carcinoma Research Grant is to support outstanding research with a specific primary focus on **metastatic lobular breast cancer**. We are especially interested in hypothesis-driven studies that will expand our understanding of the biology of mILC, and/or improve diagnosis, treatment and/or prevention of mILC. These studies may be considered basic, translational, clinical and/or population science in nature. Deadlines: May 23 – LOI; August 11 – Full applications by invite

Good Food Institute Alternative Protein Research Grants Our program is dedicated to achieving three primary objectives: addressing technical bottlenecks, catalyzing further funding, and fostering collaborations to attract new talent to the field. To meet these goals, we annually release requests for proposals (RFPs) inviting open-access research focused on enhancing organoleptic properties, reducing costs, and scaling up alternative proteins. In general, we are seeking to fund innovative projects that will specifically advance the science and technology of the plant-based, fermentation-derived, and cultivated meat industries. “Meat” includes seafood such as fish and shellfish. Two priority areas for 2025: Functionality from fermentation: ingredients for plant-based meats; and Pathways to propel cell line development. Deadline: May 15

Caplan Foundation for Early Childhood The Caplan Foundation for Early Childhood is an incubator of promising research and development projects that appear likely to improve the welfare of young children, from infancy through 7 years, in the United States. Welfare is broadly defined to **support**, **acculturation**, **societal integration** and **childcare**. Grants are only made if a successful project outcome will likely be of significant interest to other professionals, within the grantee’s field of endeavor, and would have a direct benefit and potential national application. The Foundation’s goal is to provide seed money to implement those imaginative proposals that exhibit the greatest chance of improving the lives of young children, on a national scale. Areas of interest include: Parenting Education; Early Childhood Welfare; and Early Childhood Education and Play. Deadline: May 31 – LOI; Full proposal by invite

3. **Anticipated Funding Opportunities**

DOD-ARMY AI Integration Center (AIC2) BAA On behalf of the AI2C, the U.S. Army Futures Command released a BAA for basic, applied, and advanced scientific research. AI2C is seeking whitepapers and proposals that focus on new technologies to support the "identification, alignment, and exploration" of AI. The announcement includes "foundational research topics of interest" which are: Autonomous Platforms; Artificial Intelligence and Machine Learning Algorithms (AI/ML); AI/ML Decision Support; Human-AI Integration; Synthetic Environments; Distributed AI; Underpinning Methodologies; and Special Topics. Deadline: On-going FORECASTED

DOD-AFRL University Day BAA for Research and Technology in Physical, Engineering, and Life Sciences The primary goal of this opportunity is to solicit innovative research from academics who do not have an existing relationship or grant with AFRL; however, AFRL will accept all proposals. This BAA seeks proposals that will allow AFRL to assess high values of feasibility, technical quality, and return on investment. All applicants are required to propose one of the following topic areas: 1. Bioprincipic Sensors, Information Processing & Control: The Air Force is interested in increasing its capabilities of biological swarming and collective behavior through research on "sensors used to enable emergent behavior in the agents comprising the dynamic swarm, enabling representative modeling of the exemplar animal (agent)." Agents of interest include relationships between sensor properties and the structure of the resulting swarm. 2. Weapon Autonomy and Control Technology Research: ARFL is interested in developing guidance and control (G&C) algorithms that "enable novel agent behaviors in complex environments." Research with a focus on "optimization theory, machine-learning methods, and/or multi-agent guidance concepts" as well as "resilient solutions that allow for disaggregated system performance" is highly encouraged. Deadline: May 14 FORECASTED

NSF Responsible Design, Development, and Deployment of Technologies (ReDDDoT)