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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](mailto: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 [OORlimited@purdue.edu](mailto:OORlimited@purdue.edu).

**Limited Submission: NIH Limited Competition: Basic Instrumentation Grant (BIG) Program (S10)** The Basic Instrumentation Grant (BIG) Program encourages applications from groups of NIH-supported investigators to purchase a single piece of new, costly, specialized, commercially available instrument or an integrated instrumentation system. The BIG Program is limited to institutions that have not received S10 instrumentation funding of \$500,001 or greater in any of the preceding 3 Federal fiscal years (FY). The minimum award is \$25,000. There is no maximum price limit for the instrument; however, the maximum award is \$350,000. Instruments supported include, but are not limited to, basic cell sorters, confocal microscopes, ultramicrotomes, gel imagers, or computer systems. Only **one** BIG application is allowed per institution.

*Internal deadline:* Preproposal due in InfoReady by November 25 ([template](#))

*Sponsor deadline:* June 2

**Limited Submission: DOS-ISN Opportunities** ISN/CTR sponsors foreign assistance activities funded by the Nonproliferation, Antiterrorism, Demining and Related Programs (NADR) and other accounts to prevent proliferator states and non-state actors from developing or using Weapons of Mass Destruction (WMD), ballistic missiles, advanced conventional weapons, and advanced and emerging technologies with WMD-applicability against the United States and our allies. Only **one** application is allowed per institution for each of the following opportunities.

- [Build Partner Capabilities to Protect Critical Advanced and Emerging Technologies](#)
- [Building Partner Capacity to Counter Chemical Weapons Threats](#)
- [Advancing Nuclear Safety, Security, and Nonproliferation through the FIRST Program](#)
- [Build Partner Capabilities to Counter the Russian Federation's Chemical and Biological Threats](#)
- [Build Partner Resilience to Counter Proliferator State Hybrid Threats in the Nonproliferation Arena](#)
- [Build Partner Capabilities to Counter Global Biological Threats](#)
- [Countering Proliferator State Advanced Conventional Weapons Proliferation](#)
- [Countering WMD and UAS Threats in Iraq](#)
- [Countering the Russian Federation's Sanctions Evasion Activities](#)
- [Countering DPRK and Iran's WMD, UAS, and Missile Proliferation](#)
- [Nonproliferation Scientist Engagement Program](#)
- [Build Partner Capabilities to Protect Semiconductor and CHIPS Technology](#)

*Internal deadline:* Preproposal due in InfoReady by November 11 ([template](#))

*Sponsor deadline:* January 17

**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](mailto:OORLimited@purdue.edu) if interested in participating in any of these NIST opportunities

*Sponsor deadline:* On-going

## 2. Selected Funding Opportunities:

**[NSF Dear Colleague Letter: Microorganism-Mediated Organismal Resilience to Climate Change \(MMORCC\)](#)** With this Dear Colleague Letter (DCL), the NSF BIO Division for Integrative Organismal Systems (IOS), The Paul G. Allen Frontiers Group, and The Paul G. Allen Family Foundation encourage submission of Microorganism-mediated organismal resilience to climate change (MMORCC) proposals to a new track in the current [ORCC solicitation](#) for fiscal year 2025. MMORCC research proposals should be prepared and submitted following the guidance for **Track 2: the MMORCC track**. Deadline: January 23

**[NSF Dear Colleague Letter: NSF call for IUCRC \(Industry-University Cooperative Research Center\) Proposals for a Center Pursuing Optical Tissue-mimicking Phantoms for Biomedical Applications](#)** The proposed IUCRC will seek to improve innovation in optical medical imaging devices through research and development of state of the art, high-quality dynamic tissue-mimicking phantoms, as well as testing and curating these phantoms through industry-academic partnerships. Research, development and validation of pre-competitive tissue-mimicking phantoms is intended to enable pre-clinical testing of innovative medical devices under different physiologically relevant conditions in a consistent manner including, but not limited to, variation in skin pigmentation, blood flow and oxygenation, shape and size of different target organs, and tissue composition. Strong partnerships among academic scientists and government and industry partners to research and develop high-quality phantoms may help to accelerate medical product development through the public sharing of tools and approaches to assess their safety and performance. Deadlines: March 12 – Preliminary proposal; December 11 – Full proposal

**[NIH Shared Instrumentation Grant \(SIG\) Program \(S10\)](#)** The Shared Instrument Grant (SIG) Program encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of high-priced, specialized, commercially available instruments or integrated instrumentation system. The minimum award is \$50,000. There is no maximum price limit for the instrument; however, the maximum award is \$750,000. Instruments supported include, but are not limited to: light microscopes, biomedical imagers, mass spectrometers, nuclear magnetic resonance spectrometers, flow cytometers, DNA and protein sequencers, biosensors, and X-ray diffractometers. Deadline: June 2

**[NIH High-End Instrumentation \(HEI\) Grant Program \(S10\)](#)** The High-End Instrumentation (HEI) Grant Program encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of high-end, specialized, commercially available instruments or integrated systems. The minimum award is \$750,001. There is no maximum price limit for the instrument; however, the maximum award is \$2,000,000. Instruments supported include, but are not limited to, nuclear magnetic resonance spectrometers, X-ray diffractometers, mass spectrometers, high throughput robotic screening systems, DNA and protein sequencers, biosensors, electron and light microscopes, flow cytometers, and biomedical imagers. Deadline: June 2

***NIH Targeting Inflammasomes in HIV and Substance Use*** The scientific objective of this Notice of Funding Opportunity is to encourage research to delineate the role of inflammasomes in the neuropathology produced by acute or chronic drug exposure and HIV infection. Understanding the involvement of inflammasomes in virus and drug-induced immune activation may help identify molecular markers and CNS immune cells associated with HIV-1 infection or disease progression among substance abuse populations, as well as identify novel therapies to target inflammasome activation or suppression to treat neuroinflammation and immune dysregulation aroused in these processes.

- [R01](#) Deadline: March 13
- [R21](#) Deadline: March 13

***NIH Dissemination and Implementation Research in Health (R01)*** The purpose of this Notice of Funding Opportunity (NOFO) is to support studies that will identify, develop, and/or test strategies for overcoming barriers to the adoption, adaptation, integration, sustainability, scale-up, and spread of evidence-based interventions, practices, programs, tools, treatments, guidelines, and policies (hereafter referred to as evidence-based interventions). Studies that promote equitable dissemination and implementation of evidence-based interventions among underrepresented communities are encouraged. Deadline: February 5

***NIH Development of Resources and Technologies for Enhancing Rigor, Reproducibility, and Translatability of Animal Models in Biomedical Research (R01)*** The Office of Research Infrastructure Programs (ORIP) encourages research project grant applications aimed at developing and implementing broadly applicable technologies, tools, and resources for validating animal models and enhancing rigor, reproducibility, and translatability of animal research. Research projects submitted under this Notice of Funding Opportunity (NOFO) should be hypothesis driven with strong preliminary data. Proposed studies, models, resources, or technologies under this NOFO must either address research interests of multiple NIH Institutes and Centers (ICs), explore multiple organ systems, or be applicable to diseases and processes that impact multiple organ systems in order to align with ORIP's NIH-wide mission and programs. Deadline: February 5

***NIH Computational Approaches to Curation at Scale for Biomedical Research Assets (R01)*** NLM wishes to accelerate access to, and availability of, secure, complete datasets and computational models that can serve as the basis for transformative biomedical discoveries. Innovative at-scale computational approaches that increase the speed and scope of curation processes are needed for data mining and knowledge discovery from growing quantities of biomedical data being produced from ongoing data science advances. Deadline: January 28

***NIH Human Virome Program: Developing novel and innovative tools to interrogate and annotate the human virome (U01)*** The purpose of this NOFO is to address the technological challenges that are currently hindering robust interrogation of the constituents and functionality of the human virome. Despite major advances in sequencing technology and computational analysis of large sequence data sets, challenges remain in examining viruses. This NOFO solicits applications to develop innovative and novel tools, models, and methods to overcome the major challenges in identifying and characterizing viruses, as well as the development of computational and bioinformatics tools to enhance the analysis of the human virome. Deadline: February 27

***NIH BRAIN Initiative: Brain Behavior Quantification and Synchronization- Next Generation Sensor Technology Development (U01)*** This NOFO solicits applications for next generation sensor and bioelectronic device development that will synchronize with brain recordings. The sensor and neural recording data will be used to generate new computational models of behavior in human and animal models. There has been a lack of quantitative approaches and models to understand the complexity of human and animal behavior in naturalistic settings. This NOFO focuses on the development of next generation sensors to acquire data and synchronize it with simultaneous brain recordings to build computational models. Deadline: June 13

***NIH The Metastasis Research Network (MetNet): MetNet Research Projects (U01)*** The MetNet is a collection of Research Centers that support using systems level approaches to understand the non-linear, dynamic and emergent processes in metastasis. Considering chronological progression and biological scales, the MetNet

seeks to collectively derive a more comprehensive and cohesive picture of metastasis as a whole body, systems-level problem. Deadline: June 20

**[DOD-DARPA Young Faculty Award \(YFA\) 2025](#)** The objective of the DARPA Young Faculty Award (YFA) program is to identify and engage researchers in junior faculty positions at U.S. academic and non-profit research institutions and expose them to Department of Defense (DoD) needs and DARPA's program development process. The YFA program provides funding, mentoring and industry and DoD contacts to awardees early in their careers so they may develop their research ideas in the context of national security needs. The long term goal of the YFA program is to develop the next generation of academic scientists, engineers, and mathematicians who will focus a significant portion of their career on DoD and National Security issues. Eligible individuals should U.S. citizens, U.S. permanent residents, or foreign nationals and be tenure-track assistant/associate professors, tenured faculty within three years of tenure date, or equivalent at a non-profit research institution within 12 years of receipt of PhD. They cannot have received more funding greater than \$500k from DARPA or \$1.25M from all other DOE sources as prime or sub-awardee. Deadlines: November 1 – Concept paper; February 5 - Proposal

**[DOD-Army Artificial Intelligence Integration Center \(AI2C\) BAA for Basic, Applied, and Advanced Scientific Research](#)** The AI2C is seeking artificial intelligence research and development whitepapers and proposals in support of new technologies and translational research-based approaches that support the identification, alignment, and exploitation of basic, applied, and advanced research. AI2C will consider a wide range of funding constructs which might include, but are not limited to, Government funding, cost sharing, in-kind labor or facility sharing by all parties, or any other allowable mechanism. Areas of interest include: Autonomous platforms; Artificial intelligence and machine learning algorithms; AI/ML decision support; Human-AI integration; Synthetic environments; Distributed AI; Underpinning methodologies; and Special topics. Deadline: On-going

**[DOE ARPA-E Quantum Computing for Computational Chemistry \(QC3\)](#)** The Quantum Computing for Computational Chemistry program (QC3) aims to harness the transformative power of quantum computing to accelerate energy innovation. Computation plays an essential role in modern R&D, but classical computers struggle to simulate quantum systems with the speed, scale, and accuracy necessary to advance many commercial energy applications. This program will support the R&D of scalable, generalizable quantum computing approaches to computational chemistry and materials science. These approaches will be exponentially faster than the classical computing state-of-the-art (SoA), improving speed, accuracy, or problem size by 100 times (100x). Deadlines: November 21 – Concept paper; TBD – Full application

**[DOE ARPA-E Galvanizing Leaps in Advanced Super INSulating Glass \(GLASING\)](#)** Projects funded under the Galvanizing Leaps in Advanced Super INSulating Glass (GLASING) program will develop high performance Insulated Glass Units (IGUs) to improve the energy efficiency of new and existing buildings. GLASING technologies will achieve more than three times the thermal performance of the widely used 50-year-old double-pane IGU technology at competitive cost and optical performance. Applications for GLASING technologies will include new and retrofit single- and double-hung windows, bay windows, casement windows, awning windows, skylights, etc. Deadlines: November 15 – Concept paper; TBD – Full application

**[DOE-EERE Advanced Hydrogen and Fuel Cell Technologies to Drive National Goals](#)** The Office of Energy Efficiency and Renewable Energy (EERE) is issuing Notice of Funding Opportunity (NOFO) DE-FOA-0003439 on behalf of the Hydrogen and Fuel Cell Technologies Office (HFTO), which coordinates hydrogen activities with offices across the Department of Energy (DOE) as described in the DOE Hydrogen Program Plan. Topics include: Topic 1: Photoelectrochemical Water Splitting Device Scale Up; Topic 2: High-Performance Materials for Hydrogen Service, Including Cryogenic and/or High-Pressure Conditions; Topic 3: Sustainable High-Temperature Proton Exchange Membranes and Ionomers for Heavy-Duty Transportation Applications; and Topic 4: Domestic Hydrogen Fuel Cell Electric Motorcoach Bus Development and Demonstration. Cost share is required at 20% for R&D projects and 50% for demonstration projects. Deadlines: November 20 – Concept paper; January 31 – Full application

[\*\*USDA-FS 2025 Community Wood Energy and Wood Innovation Program\*\*](#) The Wood Innovation Grants Program, launched in 2015, stimulates, expands, and supports U.S. wood products markets and wood energy markets to support the long-term management of National Forest System and other forest lands. National focus areas include mass timber, renewable wood energy, and technological development that supports hazardous fuel reduction and sustainable forest management. Deadline: December 11 (WIG) and December 18 (CWG)

[\*\*DOC-NIST Precision Measurement Grant Program\*\*](#) The Precision Measurement Grant Program (PMGP) is seeking applications from eligible applicants for research work in the field of fundamental measurement, testing the basic laws of physics, and/or the determination of fundamental constants, with emphasis on pressing problems or emerging opportunities. Topics of interest include: a. Developing a new or an improved fundamental measurement method or a physical standard; b. Testing the basic laws of physics; and/or c. Providing an improved value for a fundamental constant. Deadlines: February 3 – Pre-application; May 21 – Full application by invite

[\*\*DoED-OPE Fulbright-Hays Group Projects Abroad \(GPA\) Program—Short-Term Projects\*\*](#) The purpose of the Fulbright-Hays GPA Program is to promote, improve, and develop the study of modern foreign languages and area studies in the United States. The program provides opportunities for faculty, teachers, and undergraduate and graduate students to conduct group projects overseas. Projects may include short-term seminars, curriculum development, or group research or study. Deadline: January 21

[\*\*DoED-OPE Fulbright-Hays Group Projects Abroad \(GPA\) Program—Long-Term Projects\*\*](#) The purpose of the Fulbright-Hays GPA Program is to promote, improve, and develop the study of modern foreign languages and area studies in the United States. The program provides opportunities for faculty, teachers, and undergraduate and graduate students to conduct group projects overseas. Projects may include long-term advanced intensive language programs. Deadline: January 21

[\*\*NEH Landmarks of American History and Culture\*\*](#) The program supports a series of one-week residential, virtual, and combined format workshops across the nation to enhance how K-12 educators and higher education faculty and humanities professionals incorporate place-based approaches to humanities teaching and scholarship. Deadline: February 12

[\*\*Simons Foundation Scientific Software Research Faculty Award\*\*](#) The Simons Foundation invites applications for funding to support new research professor positions in existing academic departments to be filled by scientific software-focused researchers. The SSRF Award will support researchers who have a strong track record of leadership in scientific software development. The aim of this program is to stimulate the development and maintenance of core scientific software infrastructure in academic environments through creating a new, long-term, faculty-level career path. Applicants must have a Ph.D. (or equivalent degree) in mathematics, astronomy or theoretical physics and have played a leading role in developing or maintaining scientific software in one or more of these fields. A maximum of 50 percent of their time can be dedicated to teaching and/or supporting computational efforts within the department. The position need not be tenure track but must not be term limited. Awardees must be allowed to have principal investigator (PI) status on grants. Deadline: December 5 – LOI; March 31 – Full proposal

### **3. Anticipated Funding Opportunities**

[\*\*NIH Notice of Intent to Publish a Funding Opportunity Announcement for NINR Resources and Related Research Projects in Firearm Injury Prevention \(R24\)\*\*](#)

[\*\*NIH Notice of Intent to Publish a Notice of Funding Opportunity \(NOFO\) for High-Priority Research in Tobacco Regulatory Science \(R01\)\*\*](#)

[\*\*NIH Notice of Intent to Publish a Funding Opportunity Announcement for CCRP Initiative: Countermeasures Against Chemical Threats \(CounterACT\) Therapeutics Discovery and Early-Stage Development \(UG3/UH3\)\*\*](#)

[NIH Countermeasures Against Chemical Threats \(CounterACT\) Translational Exploratory/Developmental Research Projects \(R21\)](#)

[NIH Notice of Intent to Publish a Funding Opportunity Announcement for Accelerating the Pace of Substance Use Research Using Existing Data \(R01\) and \(R21\)](#)

4. **Other:**

[OOR Workshop: Managing Your Award – SPS Post-Award and Research Regulatory Affairs](#) Presenters at this event will discuss Purdue's policies and processes related to the management of awards as well as issues for compliance that all researchers should know. The workshops will be held on **November 19, from 1:30-3PM in Stewart Center, room 202**. This workshop will be especially helpful to new faculty, but all faculty and full-time research staff are invited to attend. Topics to be covered in this session include:

- Award management
- Contract negotiation and management
- Project reporting
- Working with human research subjects
- Working with laboratory animals
- Research information assurance (including confidential information and export control regulations)
- NSPM-33, Research Security regulations

Registration is required at: [https://purdue.ca1.qualtrics.com/jfe/form/SV\\_3HRiZqepUkQAeNM](https://purdue.ca1.qualtrics.com/jfe/form/SV_3HRiZqepUkQAeNM)

[DOD-ARL Request for Information – University Partnership Models](#)

[NSF Innovation Corps \(I-Corp\) Webinar](#) Thursday, November 7, Noon 1PM EST. this webinar will provide an overview of the program followed by Q&A.