

October 23, 2024

** 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. ** **Previous newsletters can be accessed at:** <https://www.purdue.edu/research/oevprp/funding-and-grant-writing/funding/emails.php>.

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 OORlimited@purdue.edu.

Limited Submission: NIH Environmental Health Disparities Centers (P50) The Environmental Health Disparities Centers seeks to solicit multidisciplinary research, research capacity building, and community-engaged research activities on environmental health disparities and environmental justice research for populations and communities experiencing health disparities within the US and its territories. Only **one** submission is allowed per institution.

Internal deadline: Preproposal due in InfoReady by November 4 ([template](#))

Sponsor deadline: December 5

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 Organismal Response to Climate Change \(ORCC\)](#) Proposals to the ORCC Solicitation are encouraged that build on NSF's investment in growing convergence research by developing integrative, cross-disciplinary approaches that examine the organismal mechanisms that underlie adaptive and maladaptive responses to environmental factors associated with climate change, how these responses affect fitness in changing and/or novel climates and the genetic and evolutionary processes (eco-evolutionary) through which these traits originate, persist, and are transmitted across generations. Further, this solicitation encourages creative approaches to use the results of these foundational research investigations to develop use-inspired ways to address societal challenges in anticipating and managing effects of climate change on organisms across spatial and temporal scales and biological hierarchies. Deadline: January 23

[NSF Dear Colleague Letter: Announcing the Opportunity for NSF Researchers to Participate in BioMADE Project Calls as Part of an Integrated Project Team](#) With this Dear Colleague Letter, NSF announces its partnership with BioMADE, one of the Manufacturing Innovation Institutes (MIIs) established under the auspices of the Manufacturing USA program, funded by the Department of Defense as the Bioindustrial Manufacturing Innovation Institute. NSF and BioMADE encourage researchers to create integrated projects that span from MRL 1-3 levels typically supported by NSF all the way to MRL 4-7 levels supported by BioMADE. Via a joint review mechanism, such projects that respond to one of BioMADE's Project Calls will be jointly supported by NSF and BioMADE, with NSF supporting basic research and BioMADE funding higher MRL research and translation efforts. Deadline: January 22

[NIH Co-infection and Cancer \(R01\)](#) The purpose of this NOFO is to enhance mechanistic and epidemiologic investigations addressing the roles of co-infection and cancer to shed light on presently unestablished pathways in carcinogenesis that may inform prevention and treatment strategies for infection-related cancers. Co-infection is defined as the occurrence of infections by two or more infectious (pathogenic or non-pathogenic) agents – either concurrently or sequentially – and includes both acute and chronic infections by viruses, bacteria, parasites, and/or other microorganisms. Preference will be given to investigations of co-infections with known oncogenic agents (excluding human immunodeficiency virus [HIV]) and of co-infections that engender novel opportunities for prevention and treatment. Deadline: February 5

NIH Towards a Better Understanding of the Neurological Effects of Infection-Associated Chronic Illnesses The purpose of this NOFO is to solicit applications focused on the neurological and/or mental health-related manifestations of infection-associated chronic illnesses, including the post-acute sequelae of COVID-19 (Neuro-PASC) as well as other chronic illnesses with a potential infectious trigger (post-treatment Lyme Disease, myalgic encephalomyelitis/chronic fatigue syndrome [ME/CFS], postural orthostatic tachycardia syndrome [POTS], post-viral fatigue syndromes, etc.). Projects that investigate common neurological and/or mental health-related mechanisms across multiple infection-associated chronic illnesses would be of particular interest, although this is not a requirement (i.e., applications can focus on a single condition).

- **[R01](#)** Deadline: February 5
- **[R21](#)** Deadline: February 16

[NIH NIDCD Early Career Research \(ECR\) Award \(R21\)](#) The NIDCD Early Career Research (ECR) Award (R21) is intended to support both basic and clinical research from scientists who are

beginning to establish an independent research career. It cannot be used for thesis or dissertation research. The research must be focused on one or more of the areas within the biomedical and behavioral scientific mission of the NIDCD: hearing, balance, smell, taste, voice, speech, or language. Deadline: February 19

[NIH NCI Small Grants Program for Cancer Research \(NCI Omnibus\) \(R03\)](#) This NOFO supports small research projects on cancer that can be carried out in a short period of time with limited resources. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. Deadline: February 24

[NIH Innovation Grants to Nurture Initial Translational Efforts \(IGNITE\): Neurotherapeutic Agent Characterization and In vivo Efficacy Studies \(R61/R33\)](#) This NOFO provides funding to conduct pharmacodynamic, pharmacokinetic, and in vivo efficacy studies to demonstrate that proposed therapeutic agent(s) have sufficient biological activity to warrant further development to treat neurological disorders that fall under the NINDS mission. Therapeutic agents include small molecules or biologics. This NOFO is part of a suite of Innovation Grants to Nurture Initial Translational Efforts (IGNITE). Deadline: February 18

[NIH Innovation Grants to Nurture Initial Translational Efforts \(IGNITE\): Assay Development and Neurotherapeutic Agent Identification \(R61/R33\)](#) This NOFO encourages research grant applications to develop in vitro, ex vivo or in vivo assays and conduct iterative screening efforts to identify and characterize potential therapeutic agents for neurological or neuromuscular disorders. This NOFO is part of a suite of Innovation Grants to Nurture Initial Translational Efforts (IGNITE). Deadline: February 18

[NIH Innovation Grants to Nurture Initial Translational Efforts \(IGNITE\): Development and Validation of Model Systems to Facilitate Neurotherapeutic Discovery \(R61/R33\)](#) This NOFO encourages the development and validation of animal models and human/animal tissue ex vivo systems that recapitulate the phenotypic and physiologic characteristics of a defined neurological or neuromuscular disorder. The goal of this NOFO is to promote a significant improvement in the translational relevance of animal models or ex vivo systems that will be utilized to facilitate future development of neurotherapeutics. Models proposed for this NOFO would have the potential to provide feasible and meaningful assessments of efficacy following therapeutic intervention. This NOFO is part of a suite of Innovation Grants to Nurture Initial Translational Efforts (IGNITE) Program focused on enabling the exploratory and early stages of drug discovery. Deadline: February 18

[DOE ARPA-E Inspiring Generations of New Innovators to Impact Technologies in Energy \(IGNIITE\) 2025](#) The Inspiring Generations of New Innovators to Impact Technologies in Energy (IGNIITE) 2025 program is designed to support a new cohort of early-career innovators to develop the most disruptive and unconventional ideas into transformative new technologies across the full spectrum of energy applications. This announcement is purposefully broad in technical scope, but eligibility is limited to early-career researchers. In addition to research efforts, awardees will engage with ARPA-E and fellow awardees through dedicated IGNIITE events, meetings, and mentorship activities. Submissions to this solicitation must propose transformational R&D that has the potential for high impact. If successful, a project could create

a new class or new trajectory for an energy technology, with the potential to substantially contribute to ARPA-E's statutory goals. Deadlines: November 15 – Concept paper; TBD – Full application

[DOC-NOAA FY25 Ocean Acidification Coastal Research: Uniting Investigations and Shipboard Experiments \(OA CRUISE\)](#) NOAA's Ocean Acidification Program (OAP) is soliciting proposals to complement core observing activities on its upcoming East Coast Ocean Acidification Cruise (ECO-A-4), which targets U.S. Coastal Large Marine Ecosystems on the North American East Coast from the Scotian Shelf to the port of Miami, extending from shore to beyond the shelf break. The proposed activities should expand the ocean acidification (OA)-focused observational and experimental capabilities of this repeated quadrennial oceanographic research cruise to better achieve the strategic aims of the program. A [webinar](#) will be held on October 25 at 1PM ET. Deadline: January 31

[NASA-ROSES INjected Smoke and PYRocumulonimbus Experiment Science Team](#) INSPYRE will test the hypothesis that increasing wildfire size and intensity in a warming climate will amplify pyroCb-driven smoke injection into the stratosphere and induce measurable changes to Earth's radiative balance. To test this hypothesis, INSPYRE will use NASA's ER-2 and WB-57 airborne platforms, along with ground-based platforms to obtain the remotely-sensed and in-situ measurements required to quantify the processes leading to pyroCb development, the downstream consequences of pyroCb-injected smoke on the full vertical range of the upper troposphere and lower stratosphere (UTLS), and feedbacks between pyroCbs and extreme fire behavior. Deadlines: December 6 – NOI; January 24 - Proposal

3. **Anticipated Funding Opportunities**

[NEH Spotlight on Humanities in Higher Education](#)

[DOE-NETL Bipartisan Infrastructure Law Carbon Storage Technology Operations & Research \(CarbonSTORE\)](#)

4. **Other:**

[DOE-NETL Request for Information: Carbon Storage Assurance Facility Enterprise \(CarbonSAFE\): A Mid-Course Evaluation](#) Responses due by December 20