

Dear Associate Deans for Research and Department Heads,

Please see below for a partial list of funding information that may be of interest to members of your faculty.

*PLEASE NOTE: Pivot [formerly Community of Science (COS)] 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](#).*

### 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 EVPRP will notify the PI(s) that an internal competition will be unnecessary. Questions should be addressed to [EVPRPlimited@purdue.edu](mailto:EVPRPlimited@purdue.edu).

**Internal Coordination Required: [Purdue Federal Appropriation Request Process \(legislative asks\)](#)** We are offering a standardized process this fall to solicit federal appropriation requests. Full program details are available on the Federal Appropriation Request Process website. Faculty members (tenure-track/tenured, research, clinical) from all campuses are eligible to submit projects for consideration.

*Deadline:* 5PM ET, September 15

**Internal Coordination Required: [Purdue SPARK \(Supporting Partnering for Advanced Research teamwork\)](#)** A new round of support for teams pursuing large, competitive national center grants. A new round of applications for the SPARK (Supporting Partnering for Advanced Research teamwork) program is being accepted. To support interdisciplinary teams pursuing large center research grants, the SPARK program may provide up to \$100,000 to Purdue teams for critical development activities linked to external grant proposals of \$7 million or more. SPARK funding is in addition to internal resources offered, including project strategy, teaming and assistance in proposal development. Full program details are available at the Office of Research website.

*Deadline:* 5PM ET, September 11

**Internal Coordination Required: [Purdue NIH Incentive Programs](#)** The Office of Research intends to increase the submission and success rates of NIH applications from new and established investigators. Faculty (tenure-track/tenured and research) on the West Lafayette campus are eligible to apply for these programs. Application deadlines are approaching for faculty seeking NIH incentive funding.

*Deadlines:* September 18 – New R01/U01; September 22 – Competing renewal R01; On-going – NIH Training Grant Program

### 2. **Selected Funding Opportunities:**

***Purdue is now a member of America Makes!*** The National Center for Defense Manufacturing and Machining (NCDMM) and America Makes have announced two new open project calls funded by the Office of the Under Secretary of Defense, Research and Engineering Manufacturing Technology Office (OSD (R&E)), and the Air Force Research Laboratory (AFRL) worth a total of \$11.75M. This is the largest funding opportunity launched by America Makes since its inception in 2012. Each project call has two areas of focus. Deadline: September 29

- **[Powder Alloy Development for Additive Manufacturing \(PADAM\)](#)** Topic 1: High-Temperature Refractory Alloys; Topic 2: High-Temperature Nickel-Based Superalloys
- **[The Proliferation of AM Material Datasets](#)** Topic 1: Aluminum Alloy Material Dataset; Topic 2: High-Temperature Nickel-Based Superalloys

**[NSF WINDOWS ON THE UNIVERSE: THE ERA OF MULTI-MESSENGER ASTROPHYSICS \(WoU-MMA\)](#)** The “Windows on the Universe” Multi-Messenger Astrophysics (WoU-MMA) program identifies three categories of messengers - electromagnetic waves, high-energy particles including neutrinos and cosmic rays, and gravitational waves. The goals of WoU-MMA are to build the capabilities and accelerate the synergy between observations and theory to realize integrated, multi-messenger astrophysical explorations of the Universe. Deadline: Varies by program

**[NSF Ecology and Evolution of Infectious Diseases \(EEID\)](#)** The multi-agency Ecology and Evolution of Infectious Diseases program supports research on the ecological, evolutionary, organismal, and social drivers that influence the transmission dynamics of infectious diseases. The central theme of submitted projects must be the quantitative, mathematical, or computational understanding of pathogen transmission dynamics. The intent is discovery of principles of infectious disease (re)emergence and transmission and testing mathematical or computational models that elucidate infectious disease systems. Projects should be broad, interdisciplinary efforts that go beyond the scope of typical studies. Deadline: November 15

**[NSF Dear Colleague Letter: Special Guidelines for Submitting Collaborative Proposals under U.S. National Science Foundation \(NSF\) and the Ministry of Electronics and Information Technology \(MeitY\) of India Collaborative Research Opportunities](#)** This NSF-MeitY collaborative opportunity focuses on research and technological development in areas of mutual interest listed through the participating NSF programs that develop new knowledge in all aspects of semiconductor research, next generation communication systems, cyber-security, sustainability and green technologies, and intelligent transportation systems. Technology development/ demonstrations may be in terms of development of prototypes, pilot scale demonstrations, field deployment, and other efforts to accelerate technology transfer. Proposing teams of U.S. and India investigators are strongly encouraged to develop appropriate partnerships with testbed providers, local communities, and industry partners to ensure that necessary resources and expertise are available for the success of their project. Deadline: On-going

**[NSF Dear Colleague Letter: Request for Expression of Interest to Provide a Coordinating Office for Scientific Ocean Drilling Activities](#)** Expressions of Interest are requested from eligible U.S. organizations to provide a Coordinating Office for Scientific Ocean Drilling (SODCO). This Coordinating Office would assist Principal Investigators (PI's) in the selection of suitable, academically or commercially available drilling and coring platforms to collect sub-seafloor samples, make sub-seafloor measurements, and install long-term borehole observatories. It is anticipated that the SODCO will be supported by the NSF Ocean Drilling Program (ODP) through a cooperative agreement of up to five years duration with the possibility of renewal for up to an additional 5 years. Deadline: November 1

**[NIH Research Projects to Enhance Applicability of Mammalian Models for Translational Research \(R01\)](#)** The NCI, through this NOFO encourages submission of projects devoted to demonstrating that mammalian models, including organoids, tumoroids and cell models, used for translational research are robust representations of human biology, are appropriate to test questions of clinical importance, and provide reliable information for patient benefit. These practical goals contrast with the goals of many mechanistic, NCI-supported R01 projects that use mammals, or develop and use mammalian cancer models, transplantation tumor models, or models derived from mammalian or human tissues or cells for hypothesis-testing, non-clinical research. Deadline: October 5

**[NIH VCID Center Without Walls for Understanding and Leveraging Small Vessel Cerebrovascular Disease Mechanisms in ADRD \(R01\)](#)** The purpose of this notice of funding opportunity (NOFO) is to support research designed to, in parallel in human-based and model-based studies, advance fundamental understanding of basic disease-related molecular mechanisms of vascular contributions to cognitive impairment and dementia (VCID). Specifically, this NOFO solicits applications focused on molecular mechanisms of small cerebral vessel diseases, including one or more of arteriolosclerosis, cerebral amyloid angiopathy (CAA), and atherosclerosis (direct impact or downstream effects on small vessels) that contribute to dementia diagnoses. Proposed research will

use team-based and multi-faceted approaches to understand these small vessel disorders both cross-sectionally and over time (prodromal and after phenotypic disease first develops), as well as their relationship to VCID phenotypic and clinical outcomes. Deadline: February 1

**[NIH Exploratory/Developmental Grants Related to the World Trade Center Survivors \(R21\)](#)** NIOSH supports exploratory and developmental research projects (R21) that address issues related to diagnostic or treatment uncertainty with respect to individuals receiving monitoring and/or treatment under subtitle B of the James Zadroga 9/11 Health and Compensation Act of 2010. A major area of research interest of this announcement also includes improving the healthcare and well-being of at-risk survivor populations including minority groups, women exposed while pregnant or of reproductive age, the elderly, adolescents, and other minor children. Research funded by the WTC Health Program is primarily intended for the benefit of the 9/11-exposed population. It is not required that project findings be generalizable to other populations. Deadline: December 6

**[NIH Analytical and Clinical Validation of Biomarkers for Alzheimer's Disease \(AD\) and AD-Related Dementias \(ADRD\) \(U01\)](#)** This notice of funding opportunity (NOFO) invites applications to accelerate the establishment of effective and reliable biomarkers of Alzheimer's disease (AD) and AD-related dementias (ADRD) for use in therapy/medical product discovery and development, clinical trials, and/or clinical practice. Specifically, this NOFO will support analytical and/or clinical validation of a biomarker, composite biomarker, or biomarker signature, with rigor comparable to the expectations described in the Food and Drug Administration (FDA's) Biomarker Qualification Program (BQP) or recommended by other FDA regulatory pathways. Deadline: November 3

**[NIH Device Based Treatments for Substance Use Disorders \(UG3/UH3\)](#)** The purpose of this notice of funding opportunity (NOFO) is to accelerate the development of devices to treat Substance Use Disorders (SUDs). The continuing advances in technologies offer unprecedented opportunities to develop neuromodulatory or neurophysiological devices that are safe and effective SUD treatments. The objective is to move devices to their next step in the FDA approval process, with the ultimate goal of generating new, FDA approved device-based treatments for SUDs. Deadline: December 18

**[NIH ARPA-H Precision Surgical Interventions BAA](#)** The Precision Surgical Interventions (PSI) program aims to develop technologies to aid surgeons to complete procedures with high accuracy, dramatically reducing inadvertent errors and reoperation rates. More specifically, PSI seeks to develop intraoperative end-to-end solutions for enhanced visualization of cancerous tissues. These solutions, available at the bedside (imaging the resected specimens), or in vivo (imaging the resection cavity), will allow physicians to visualize with microscopic precision where cancer ends, enabling them to accurately complete all oncological surgeries and reduce reoperations. Secondly, PSI proposes to develop intraoperative systems that enable surgeons to better visualize critical structures in real time. A Proposer's Day will be held on Sept 7 with registration required by August 28. Deadlines: September 21 – Abstract; November 16 - Proposal

**[DOE-NETL Bipartisan Infrastructure Law \(BIL\) - Advanced Processing of Critical Minerals and Materials for Industrial and Manufacturing Applications](#)** This Funding Opportunity Announcement seeks to advance the processing of Rare Earth Elements and Critical Minerals for Industrial and Manufacturing Applications. This Funding Opportunity has two Topic Areas: 1. Advanced Process Development for Production of Rare Earth Metals and Co-Production of Critical Minerals and Materials from Coal-Based Resources; and 2. Production of Critical Minerals and Materials Excluding Rare Earth Materials from Coal-Based Resources. Deadline: October 20

**[DOD-ARL Adversarial Resilient Cyber Effects for Decision Dominance Collaborative Research Program](#)** The purpose of this program is to support research to expand theoretical and scientific understanding of cyberspace windows of superiority (CWoS), such that one can rapidly and reliably identify, predict, and create these windows to provide military and civil leadership with multiple courses of action. We also want to discover novel knowledge and advance the scientific foundations of multidomain cyber deception, cyber resilience, and machine learning for cybersecurity applications. To this end, we intend to fund collaborative research in two

research thrusts: 1) Explore and define CWoS, and 2) Adversarial Resilient Cyber (ARC). Each of these research thrusts has separate but related topics. Deadline: October 13

**[DOD Minerva Research Initiative's \(Minerva\) Defense Education and Civilian University Research \(DECUR\) Partnership](#)** The Office of the Secretary of Defense (OSD) is interested in receiving applications for Minerva's DECUR Partnership. The DECUR Partnership aims to develop collaborative basic research partnerships between PME Institutions and Civilian Research Universities by supporting fundamental scientific research that improves the capacity of security-related basic social science research and education. Building upon the success of Minerva's university research awards, the DECUR Partnership aims to pair civilian university researchers with PME faculty to facilitate collaborative research in the fundamental understanding of the social and cultural forces shaping U.S. strategic interests globally. OSD is particularly interested in projects that align with and support the 2022 National Defense Strategy. Deadlines: October 4 – White paper; December 12 – Full application

**[NASA-ROSES Heliophysics Low Cost Access to Space](#)** The LCAS program supports investigations addressing NASA Heliophysics Science Goals using investigator-developed instrumentation that must be completed through suborbital flights. Deadline: November 21

**[NASA-ROSES PACE Science and Applications Team](#)** The purpose of this opportunity is to formulate the next Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) Science and Applications Team (SAT), which will be in place for a three-year period (FY24-26) during the post-launch PACE era. This program element is specifically focused on further refinement of the existing algorithms for ocean color, aerosol, and cloud data product or suite of products, and the development of advanced products that will push the boundaries of where and how PACE science retrievals function. Deadlines: September 28 – Step 1; December 5 – Step 2

**[USDA-FS Landscape Scale Restoration Grant Program 2024 Northeast and Midwest](#)** The purpose of the Landscape Scale Restoration competitive grant program is to encourage collaborative, science-based restoration of priority rural forest landscapes. This program supports, high impact projects that lead to measurable outcomes on the landscape, leverage public and private resources, and further priorities identified in each [State Forest Action Plan](#) or equivalent restoration strategy. Deadline: November 30

**[USDA-FS GLRI Restoration Initiative: Forest Restoration](#)** The U.S. Department of Agriculture, Forest Service will support projects in the Great Lakes basin that implement the following strategic, priority actions: Mitigate Forest Insect and Disease Impacts—Implement targeted reforestation and forest protection actions to minimize invasive forest insect and disease impacts on watersheds; Reduce Runoff from Degraded Sites through Green Infrastructure – Capture or treat stormwater runoff by planting trees and other vegetation as an integral component of green infrastructure; Restore and Connect Coastal and Riparian Forest Habitats— Protect, restore, and enhance high-quality coastal zone and connecting riparian ecosystems where trees are an important component. An [informational webinar](#) will be scheduled for September 5 at 1PM CT. Deadline: October 23

**[NEH Digital Humanities Advancement Grants](#)** This program supports innovative, experimental, and/or computationally challenging digital projects leading to work that can scale to enhance scholarly research, teaching, and public programming in the humanities. Deadline: January 11

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

**[NIH Notice of Intent to Publish a Funding Opportunity Announcement for Human Tumor Atlas \(HTA\) Research Centers \(U01\)](#)**

**[NIH Notice of Intent to Publish a Funding Opportunity Announcement for Improving Care and Outcomes for Cancer Survivors from Sexual and Gender Minority \(SGM\) Populations \(R01\)](#)**

[NIH Notice of Intent to Publish a Funding Opportunity Announcement for Short Courses in Social Determinants of Health for Research Education in Nursing Research \(R25\)](#)

[DOE Notice of Intent to issue Funding Opportunity Announcement DE-FOA-0002614 titled Carbon Management \(Round 4\)](#)

[DOE Notice of Intent to issue Bipartisan Infrastructure Law Electric Drive Vehicle Battery Recycling, Transport, and Design](#)

4. **Other:**

**EVPRP Workshop: [Finding Funding, Limited Submissions, and Proposal Submission](#)** This workshop will take place on Tuesday, September 5 from 1:30PM to 3:00PM, in Stewart Center, room 202. Topics to be covered in this session include: Resources for finding and tracking funding opportunities; the limited submission process; proposal support provided by Pre-Award Services; budget preparation and review; and understanding facilities and administration rate (F&A). This workshop is open to all faculty but will be particularly helpful for new faculty. Registration is required at: [https://purdue.ca1.qualtrics.com/jfe/form/SV\\_b8wNY7ME8D9mGUe](https://purdue.ca1.qualtrics.com/jfe/form/SV_b8wNY7ME8D9mGUe)

**\*\*Purdue faculty and research staff:** To directly receive this newsletter in your inbox, please sign up for the listserv here: <https://lists.purdue.edu/mailman/listinfo/weeklyfundingopps>. Only *purdue.edu* e-mail addresses will be accepted.\*\*

As always, we appreciate your sharing this information with your faculty. Please contact Sue Grimes ([sgrimes@purdue.edu](mailto:sgrimes@purdue.edu)) with any questions or comments related to this e-mail.