

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](#).

IMPORTANT NOTICE: The new spam filter is sending notices from programs such as Pivot and InfoReady to the Junk Email folder of the Inbox. Please check that folder for related emails. To whitelist these senders, right-click on the message, select "Junk", then select "Not Junk".

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.

Limited Submission: [NSF Predictive Intelligence for Pandemic Prevention Phase II \(PIPP Phase II Centers Program\)](#) The PIPP initiative focuses on foundational research and development activities needed to tackle grand challenges in infectious disease pandemics through prediction and prevention. The PIPP Phase II Centers Program expands upon the Phase I Development Grant Program and is the NSF's flagship program to establish a network of Centers or large-scale awards/investments that will support interdisciplinary team-based approaches to accelerate research and development activities in emerging infectious diseases and pandemics. The overall goal of the PIPP Phase II Centers program is to support research and development activities needed to transform society's ability to forecast the likelihood of pandemic-scale events, detect outbreaks early, and respond efficiently. Multidisciplinary themes of interest are: Theme 1 – Pre-emergence; Theme 2 – Data, AI/ML and Design; Theme 3 – The Host as the Universe; and Theme 4 – Human Systems. Submission of a Development (Phase I) proposal is *not* required to participate in Phase II. Only **one** proposal is allowed as lead.

Internal deadline: Preproposal due in InfoReady by August 7 ([template](#))

Sponsor deadlines: August 25 – LOI; December 8 – Full proposal

Limited Submission: [NRC University Nuclear Leadership Program: Scholarship, Fellowship Education Grant, and Distinguished Faculty Advancement Grant](#) The program provides funding for students and early career (untenured) faculty to support nuclear science, engineering, technology, and related disciplines. The objective is to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities as well as the safe handling of nuclear materials. **Scholarships:** The primary objective is to support scholarships for nuclear science, engineering, health physics, and related disciplines to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities as well as the safe handling of nuclear materials. **Fellowships:** The primary objective is to support fellowships for nuclear science, engineering, technology, health physics, and related disciplines to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities as well as the safe handling of nuclear materials. **Distinguished Faculty Advancement Grants:** The program provides funding to support faculty advancement in nuclear science, engineering, technology, health physics, nuclear fusion (fusion energy research) and related disciplines to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities as well as the safe handling of nuclear materials. Only **one** submission is allowed for each of the three categories.

Internal deadline: Preproposal due in InfoReady by August 7 ([template](#))

Sponsor deadline: September 8

2. Selected Funding Opportunities:

[NSF Focused Research Hubs in Theoretical Physics](#) Focused Research Hubs in Theoretical Physics (FRHTP) are designed to enhance significant breakthroughs at an intellectual frontier of physics by providing resources beyond those available to individual investigators, so as to promote a collaborative approach to a focused topic while promoting the preparation of scientists at the beginning of their independent scientific careers. Although interdisciplinary aspects may be included, the bulk of the effort must fall within the purview of the Division of Physics. The successful hub will demonstrate: (1) the potential to advance science; (2) the enhancement of the development of early career scientists; (3) creative, substantive activities aimed at enhancing education, diversity, and public outreach; (4) potential for broader impacts, e.g., impacts on other field(s) and benefits to society; (5) a synergy or value-added rationale that justifies a group approach. The specific hub topic for this solicitation is in Theoretical Nuclear Physics (TNP) relevant to research within the purview of the Division of Physics. Deadline: October 18

[NSF Dear Colleague Letter: NSF and the Romanian Executive Agency for Higher Education, Research, Development and Innovation Funding \(UEFISCDI\) Lead Agency Opportunity in the Mathematical Sciences](#) The goal of this activity is to promote collaborative research within the mathematical sciences by reducing barriers to conducting research with international collaborators. The NSF-UEFISCDI Lead Agency Opportunity allows U.S. and Romanian researchers to submit a single collaborative proposal that will undergo a single merit review process through NSF as the lead agency. Under the NSF-UEFISCDI Lead Agency Opportunity, proposals may be accepted for collaborative research in areas at the intersection of MPS/DMS's and UEFISCDI's missions. Proposers should review the participating MPS/DMS and UEFISCDI programs for further information on which areas of research are eligible for support through this activity. Deadline: On-going; EOI must be submitted at least 60 days prior to full proposal submission

[NSF Dear Colleague Letter: Workshops to Identify Educational Requirements of the Future Ocean Technical Workforce](#) This Dear Colleague Letter (DCL) encourages conference proposals¹ – also referred to as workshop proposals – that will bring representatives of ocean and other blue economy industries together with academic faculty to discuss workforce and training needs. The goal of the DCL is to expand technical capacity in the U.S. workforce in high-technology fields through planning that can lead to training programs for the next generation of ocean technicians, data scientists, engineers, and scientists. Proposal topics of high priority include training in ocean instrumentation design, manufacturing and maintenance of marine-related hardware, and ocean data science and data analytics, with an emphasis on the inclusion of researchers, engineers and students from groups that are underrepresented in the marine science, mariner communities, and related fields. Deadline: On-going

NIH HEAL Initiative: Novel Targets for Opioid Use Disorders and Opioid Overdose The purpose of this notice of funding opportunity (NOFO) is to support research focusing on the identification of druggable new targets and the discovery of optimizable probes for the development of safe and efficacious medications to prevent and treat opioid use disorders (OUDs), opioid overdose, and opioid-polysubstance use comorbidities.

- [R01](#) Deadline: February 1
- [R21](#) Deadline: February 1

NIH Social Disconnection and Suicide Risk in Late Life The purpose of this Notice of Funding Opportunity (NOFO) is to encourage research that addresses the link between social disconnection in late-life and late-life suicidal thoughts and behaviors. Of specific interest is research that identifies mechanisms by which social disconnection confers risk for, and social integration protects against, suicidal thoughts and behaviors in late life.

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

NIH Ending the Epidemic: New Models of Integrated HIV/AIDS, Addiction, and Primary Care Services The purpose of this notice of funding opportunity (NOFO) is to support the testing of enhanced models of care that optimally integrate HIV and Hepatitis B and C, addiction, and primary care services. The National Institute on Drug Abuse (NIDA) is interested in research that addresses gaps related to the delivery of comprehensive, integrated health services to include the full continuum of HIV/AIDS services, addiction prevention and treatment services, and primary care services, with a goal of improving the coordination of care, and improving health outcomes related to HIV, Hepatitis (optional), and substance use disorder (SUD) in the US.

- [R01](#) Deadline: August 20
- [R34](#) Deadline: August 20

NIH Innovative Research in Cancer Nanotechnology (IRCN; R01) The National Cancer Institute (NCI) encourages applications promoting transformative discoveries in cancer biology and/or oncology through the use of nanotechnology. Proposed projects should address overcoming major barriers in cancer biology and/or oncology using nanotechnology and should focus on mechanistic studies to expand the fundamental understanding of nanomaterial and/or nano-device interactions with biological systems. These studies are expected to be relevant to the delivery of nanoparticles and/or nano-devices to desired and intended cancer targets *in vivo* and/or characterization of detection and diagnostic devices and sensors *in vitro*. Deadline: November 3

NIH Notice of Special Interest (NOSI): Lymphatic System in Health and Disease (R01) This NOSI aims to promote research on the normal biology of the lymphatic system (LS) and ascertain factors that account for individual differences in the LS impacting resilience. Also of interest is research to identify factors that account for individual differences in pathobiology and response to treatments, and understand the mechanisms and potential novel therapeutics for lymphatic diseases (LDs) and secondary heart, lung, blood, and sleep (HLBS) disorders related to lymphatic dysfunction. Further, this notice intends to stimulate lymphatic research at molecular, cellular, tissue, organ, and whole-body levels, and aims to facilitate research on innovations for identifying and intervening in LDs across the lifespan and disease states. Deadline: October 5

NIH Pilot Projects Enhancing Utility and Usage of Common Fund Data Sets (R03) The goals of this NOFO are to 1) promote the use of Common Fund data sets by supporting pilot studies based on analyses across two or more Common Fund data sets; 2) enhance the utility of existing Common Fund data sets by developing workflows, analytic and simulation tools which will enable simultaneous analysis of multiple Common Fund data sets; and 3) demonstrate the added-value of integrating multiple Common Fund data resources in addressing biomedical research questions. Deadline: November 17

NIH Health Equity and the Cost of Novel Treatments for Alzheimer's Disease (AD) and AD-Related Dementias (ADRD) (R61/R33) This notice of funding opportunity (NOFO) invites applications to address health equity, drug costs, and access to new therapeutics for people living with Alzheimer's disease (AD) and AD-related dementias (ADRD). Applicants must identify preferences for pharmacological treatment among racial and ethnic minorities living with AD/ADRD, assess whether cost barriers to pharmacological care exist for these groups, and quantify expenditures and health-related quality of life (HRQoL) among people interested in receiving novel drugs to treat AD/ADRD. Deadline: October 31

NIH Notice of Special Interest (NOSI): Understanding Immune Evasion in Tickborne Diseases This Notice of Special Interest (NOSI) invites applications that seek to expand understanding of potential immune evasion mechanisms of tickborne pathogens that contribute to human disease and death. The intent of this NOSI is to encourage applications in the field, including from researchers in other disciplines who may have new perspectives to bring to existing gaps. Deadline: October 5

NIH Notice of Special Interest (NOSI): Addressing Organizational Factors to Prevent or Mitigate Nurse Burnout The National Institute of Nursing Research (NINR) seeks research studies to develop and evaluate novel organizational interventions to prevent and mitigate nurse burnout which will build new knowledge and the evidence base for implementation in places where nurses practice: in hospitals and clinics, in schools and

workplaces, in homes and long-term care facilities, in justice settings, and throughout communities. Deadline: October 5

[DOE Materials, Operation, and Recycling of Photovoltaics \(MORE PV\)](#) Through this FOA, the Solar Energy Technologies Office (SETO) will provide funding for research and development to reduce material usage, improve installation quality and resilience of photovoltaic (PV) systems, and address handling of PV systems at the end of life. Topic Area 1: MORE Connection: Connecting PV Materials, Design, Installation, Performance, and End of Life. Topic Area 2: Solar Partnership to Advance Recycling and Circularity (Solar PARC). Deadline: September 6 – LOI; September 13 – Concept paper; November 29 – Full application

[DOE-NETL Energy Storage Demonstration and Validation](#) The DOE's National Energy Technology Laboratory (NETL) is releasing a FOA to solicit applications for innovative long duration energy storage system (ESS) demonstration projects that advance a technology towards commercialization and validate its cost and performance in the field to the energy stakeholder community. These demonstrations will contribute data to the National Lab led Rapid Operational Validation Initiative (ROVI) in order to unlock insights about the performance of these systems that will accelerate the testing and validation process for emerging technologies. The FOA will contain three areas of interest based on eligible technology: 1. Lithium Batteries 2. Flow Batteries 3. Other Innovative Technologies, that will each be eligible for up to \$5 million in federal funding available with 50% cost share provided by the applicant organization(s). Deadlines: September 15 – Concept paper; December 4 – Full application

[DOE-NETL Storage Innovations 2030: Technology Liftoff](#) SI Liftoff will build upon the strategic efforts initiated in the other three pillars of SI 2030 Framework, Prize, and Flight Paths, by fostering diverse partnerships of companies to pursue pre-competitive research and development projects. Entities will be awarded up to \$5 million for projects that (a) create research partnership to bring together two or more technology stakeholders, and (b) partner with a research institution to solve one or more pre-competitive R&D technical challenge. Projects must enable a long-duration capable energy storage technology with a pathway to \$0.05/ kWh Levelized Cost of Storage by 2030. Deadline: September 15 – Concept paper; December 4 – Full application

[DoED IES FY 2024 Research Grant Competitions](#) The National Center for Education Research and the National Center for Special Education Research released funding announcements for three fiscal year 2024 grant competitions. Deadlines: August 10 – Optional LOI; September 21 – Application

- **[Education Research Grants](#)**
- **[Special Education Research Grants](#)**
- **[Research Training Programs in Special Education](#)**

[NEH Dangers and Opportunities of Technology: Perspectives from the Humanities](#) This program supports research that examines technology and its relationship to society through the lens of the humanities, with a focus on the dangers and/or opportunities presented by technology, broadly defined. NEH is particularly interested in projects that examine the role of technology in shaping current social and cultural issues. Deadline: October 11

3. Anticipated Funding Opportunities

[NIH Notice of Intent to Publish a Funding Opportunity Announcement for Personal Health Informatics for Delivering Actionable Insights to Individuals \(R01\)](#)

[NIH Notice of Intent to Publish a Notice of Funding Opportunity Announcement for Blueprint Neurotherapeutics Network \(BPN\): Small Molecule Drug Discovery and Development of Disorders of the Nervous System \(UG3/UH3\)](#)

[NIH Notice of Intent to Publish a Funding Opportunity for the NIH Common Fund Human Virome Program: Characterization of functional interactions between viruses and human and microbial hosts \(U01\)](#)

[NIH Notice of Intent to Publish a Funding Opportunity Announcement for Approaches to Identifying Preteen Suicide Risk and Protective Factors \(R01\) and \(U24\)](#)

4. **Other:**

[DOE Request for Information on Access to High Performance Computing Resources at Department of Energy National Labs](#)

[Department of Energy Launches New Bioenergy Webpage for Technology Verification Guidance](#)

****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) with any questions or comments related to this e-mail.