

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 OOR will notify the PI(s) that an internal competition will be unnecessary. Questions should be addressed to OORlimited@purdue.edu.

Limited Submission: [DOE-EERE Innovative DEsigns for high-performAnce Low-cost HVDC Converters \(IDEAL HVDC\)](#) The research and development (R&D) activities to be funded under this FOA will support the government-wide approach to the climate crisis by driving the innovation that can lead to the deployment of clean energy technologies, which are critical for climate protection. This FOA seeks to address the significant cost of HVDC systems for transmission applications. Applications submitted for this FOA aim to kickstart DOE's HVDC cost reduction effort as described. Building on the knowledge gained from the previous workshops and studies, this FOA seeks to expand on the various HVDC-related activities led by DOE and is the next phase of HVDC investment focused on voltage-source converter (VSC) technologies. The goal of this FOA is to increase R&D in VSC substations in support of the broader HVDC CORE initiative. Only one submission is allowed per institution.

Internal deadline: Preproposal due in InfoReady by October 16 ([template](#))

Sponsor deadlines: November 11 – Concept paper; February 5 – Full application

2. **Selected Funding Opportunities:**

[Purdue Women's Health Research Pilot Grant -- WGHI & Indiana CTSI](#) The Purdue Women's Global Health Institute (WGHI) and the Indiana Clinical and Translational Sciences Institute (CTSI) have partnered to solicit proposals of outstanding scientific merit addressing translational research of women's health issues. Proposals focusing on prevention, early detection, health disparities, rural women's health, and sex and gender differences from any discipline are encouraged, but not required. **Proposals on sex and gender differences in biological responses to exposome are highly welcomed this year.** All funded project teams are expected to gather preliminary data to submit competitive applications to external funding agencies, or to seek support from an outside organization (e.g. companies, foundations, etc.) for continuation of the research. Deadline: November 1

[NSF Ethical and Responsible Research \(ER2\)](#) The Ethical and Responsible Research (ER2) program aims to support fundamental research about what constitutes or promotes responsible and ethical conduct of research (RECR). The ER2 program seeks to encourage science, technology, engineering and mathematics (STEM) researchers, practitioners and educators at all career stages to conduct research with integrity and to educate others about RECR. Research questions of interest to the program could address ethical issues involving diversity, equity, inclusion, accessibility, bias, culture, transparency and mentoring or other interpersonal behaviors in research environments. Deadline: January 25

[NSF Trailblazer Engineering Impact Award](#) The NSF Trailblazer Engineering Impact Award (TRAILBLAZER) program supports individual engineers and scientists who propose novel research projects with the potential to innovatively and creatively address major societal challenges, advance US leadership, and catalyze the convergence of engineering and science domains. The TRAILBLAZER program emphasizes the qualities of the investigator that illustrate they can conceive of and support transformative research projects and make major contributions toward solving significant research problems. TRAILBLAZER will support engineers and scientists with excellent records of innovation and creativity with successful outcomes to pursue new research directions. Deadline: February 15

[NSF Research on Innovative Technologies for Enhanced Learning \(RITEL\)](#) The purpose of the RITEL program is to support early-stage research in emerging technologies for teaching and learning that respond to pressing needs in authentic (real-world) educational environments. RITEL supports future-oriented exploratory and synergistic research in emerging technologies (including, but not limited to, artificial intelligence (AI), robotics, and immersive or augmenting technologies) for teaching and learning. The program accepts proposals that focus on learning, teaching, or a combination of both. Deadline: January 24

[NSF Dear Colleague Letter: NSF-French National Research Agency \(ANR\) Quantum Information Science and Engineering Lead Agency Opportunity](#) The U.S. National Science Foundation (NSF) and the French National Research Agency (ANR) have signed a Memorandum of Understanding (MOU) on Research Cooperation. The MOU provides a framework to encourage collaboration between U.S. and French research communities and sets out the principles by which jointly supported activities might be developed. The MOU provides for an international collaboration arrangement whereby U.S. researchers may receive funding from NSF and French researchers may receive funding from ANR. Proposals will be accepted for collaborative quantum information science and engineering (QISE) research at the intersection of participating NSF programs and relevant themes under ANR's Generic Call for Proposals. Deadline: December 15

[NSF Dear Colleague Letter: NSF ANR Chemistry Lead Agency Opportunity on Sustainable Chemistry: Catalysis with Earth-Abundant Elements](#) The U.S. National Science Foundation (NSF) and the French Agence Nationale de la Recherche (ANR) have signed a Memorandum of Understanding (MOU) on Research Cooperation. The MOU provides an overarching framework to encourage collaboration between U.S. and French research communities and sets out the principles by which jointly supported activities might be developed. ANR and NSF aim to strengthen the research on catalysis with earth abundant elements by fostering collaborations and synergies between research teams in France and in the US. To this end, the scope of this call for proposals is fundamental research in homogeneous catalysis with Earth-abundant elements. It will include organometallic catalysis, organocatalysis, and photocatalysis. The focus of the proposals should be on advances related to the development of new catalysts and catalytic strategies, mechanistic studies, and characterization methods. Deadlines: October 19 – Registration file; Late March – Full proposals by invite

[NSF Dear Colleague Letter: Exploring Task-based Interactions between Human and Synthetic Actors](#) With this Dear Colleague letter (DCL), the Division of Civil, Mechanical and Manufacturing Innovation (CMMI) of the Directorate for Engineering (ENG) invites the submission of EARly-concept Grants for Exploratory Research (EAGER) proposals, as well as supplemental funding requests to existing NSF awards, in support of research on the performance of novel and important tasks that require sensorimotor interaction between human and synthetic actors: that is, physical interaction that also involves sensing through one or more modalities. Deadline: On-going through May 1

[NSF Dear Colleague Letter: STEM Access for Persons with Disabilities \(STEM-APWD\)](#) With this Dear Colleague Letter (DCL), the National Science Foundation (NSF) wishes to notify the research community of a new initiative called STEM Access for Persons with Disabilities (STEM-APWD) that seeks to increase the engagement of persons with disabilities (PWD) in science, technology, engineering and mathematics (STEM) fields across seven directorates at NSF. This DCL is designed to improve access to NSF funding for persons with all types of disabilities.¹ This DCL invites submissions from eligible organizations² under two broad types: 1) conference proposals and 2) requests for supplemental funding to existing awards. Proposals and supplemental funding

requests may be submitted by eligible organizations on behalf of principal investigators with or without disabilities, but must be used to advance objectives that increase access to, and equity in, STEM research and training among persons with disabilities. Deadline: December 7

[NSF Dear Colleague Letter: Veterans Research Supplement \(VRS\) Program](#) The Directorates for Biological Sciences (BIO), Computer and Information Science and Engineering (CISE), STEM Education (EDU); Engineering (ENG), Geosciences (GEO), Mathematical and Physical Sciences (MPS), Social, Behavioral, and Economics Sciences (SBE) and the Office of Integrative Activities (OIA) at the National Science Foundation (NSF), through this Dear Colleague Letter (DCL) provide support for alternate pathways to encourage veterans' engagement in science, technology, engineering and mathematics (STEM) research in academia and industry. NSF's commitment to broadening participation is embedded in its Strategic Plan. Initiatives such as the Veterans Research Supplement (VRS) program emphasize the need to proactively seek and effectively develop STEM talent from all sectors and groups in society. Deadline: On-going

[NIH Mechanistic Research on Neuromodulation for Substance Use Disorders Treatment \(R01\)](#) The purpose of this Notice of Funding Opportunity (NOFO) is to encourage clinical research that will identify and validate novel targets for non-invasive brain stimulation (NIBS) and SUD-relevant neurobiological, cognitive, and behavioral responses to NIBS that precede clinical outcomes like reduced craving or drug use. Deadline: January 16

[NIH Cancer Research Education Grants Program - Courses for Skills Development \(R25\)](#) The over-arching goal of this NCI R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this Notice of Funding Opportunity (NOFO) will support creative educational activities with a primary focus on Courses for Skills Development. Applications are encouraged that propose innovative, state-of-the-art programs that address the cause, diagnosis, prevention, or treatment of cancer, rehabilitation from cancer, or the continuing care of cancer patients and the families of cancer patients. Deadline: January 25

[DOE-EERE Installation Noise Reduction and Reliable Moorings for Offshore Wind and Marine Energy](#) The goals of this FOA are to: Improve the reliability of moorings for floating offshore wind energy and marine energy converters; and Reduce noise associated with installing fixed-bottom offshore wind energy foundations. Deadlines: November 9 – Concept paper; February 29 – Full application

[DOD-ONR Long Range Broad Agency Announcement \(BAA\) for Navy and Marine Corps Science and Technology](#) ONR, ONRG, and MCWL are interested in receiving proposals for Long-Range S&T Projects that offer potential for advancement and improvement of Navy and Marine Corps operations. BAA Calls will be posted to the ONR website under Broad Agency Announcements (BAA), Funding Opportunity Announcements (FOA) and Special Program Announcements. Each BAA Call will provide a description of the specific research effort being solicited, the application process to be used, as well as the recommended dates for submission of proposals. Deadline: On-going

[DOD-DARPA Ultra-Wide BandGap Semiconductors \(UWBGs\)](#) The UWBGs program will develop foundational, high-quality ultra-wide bandgap (UWBG) materials and electrical contacts necessary for realization of practical electronics that enable UWBG applications. The Microsystems Technology Office at DARPA seeks innovative proposals to develop foundational ultra-wide bandgap (UWBG) materials (substrate, device layers, and junctions) and low resistance electrical contacts necessary for realization of devices that enable UWBG applications. In particular, DARPA seeks proposals in the following areas: 1) low defect density, large area (100 mm diameter), epi-ready, UWBG substrates and 2) uniform, low defect density UWBG device layers with high doping efficiency, abrupt homo- and/or hetero-junctions with low junction defect density ($10^{12}/\text{cm}^2$), and ultra-low resistance electrical contacts ($2 \times 10^{-6} \text{ ohm-cm}^2$). Deadlines: November 1 – Abstract; December 15 – Full proposal

NASA 2024 Human Exploration Research Opportunities (HERO) Overview This NRA will solicit applied research in support of NASA's Human Research Program (HRP). The research will fall into one or more categories corresponding to HRP's five Elements: Space Radiation, Human Health Countermeasures, Exploration Medical Capability, Human Factors and Behavioral Performance, and Research Operations and Integration. This NRA covers all aspects of research to provide human health and performance countermeasures, knowledge, technologies, and tools to enable safe, reliable, and productive human space exploration. Details of the topics will be given in the solicited research response area appendices of the NRA.

- [**HERO Appendix A: NASA Human Research Program Flagship Opportunity**](#) Deadlines: November 1 – Step 1; January 30 – Step 2
- [**HERO Appendix B: NASA Human Research Program Omnibus Opportunity**](#) Deadlines: November 1 – Step 1; January 30 – Step 2
- [**HERO Appendix C: NASA Human Research Program NSCOR Opportunity**](#) Deadlines: November 1 – Step 1; January 30 – Step 2

[**DOT Research Partnership on Climate Change and Transportation**](#) U.S. DOT seeks to fund a climate and transportation research center that advances research to support Administration efforts to reduce greenhouse gas emissions in the transportation sector, incorporate evidence-based climate resilience and adaptation measures and features, reduce the lifecycle greenhouse gas emissions from the project materials, avoid adverse environmental impacts to air or water quality, wetlands, and endangered species, and address the disproportionate negative environmental impacts of transportation on disadvantaged communities. Deadline: November 27

[**Milken Institute & Ann Theodore Foundation Breakthrough Sarcoidosis Initiative**](#) The Ann Theodore Foundation Sarcoidosis Initiative (ATF-BSI) is now accepting applications for two-year research projects that seek to increase science's foundational understanding of sarcoidosis through projects focused on the biology and epidemiology of sarcoidosis. Deadlines: October 25 – LOI; January 19 – Full proposal

3. **Other:**

[**OOR Workshop: Understanding Proposal Budgets**](#) Wednesday, October 25; 1:30PM-3:00PM; STEW 310 Presenters Amanda Hamaker and Kristyn Jewell will break down the basics of a budget and define some commonly encountered terms and requirements. This session will also describe the resources available at Purdue to help you through creating a budget and the key points of contact for assistance. Registration required at: https://purdue.ca1.qualtrics.com/jfe/form/SV_3f4VZqLzeXs3K9o

****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.