

Please see below for a partial list of funding opportunities.

PLEASE NOTE: Pivot 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](#).

****** 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. ******

Please contact Sue Grimes (sgrimes@purdue.edu) with any questions.

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 EVPRPlimited@purdue.edu.

Limited Submission: [DOE Fiscal Year 2024 University Nuclear Research Infrastructure Revitalization](#) Projects proposed under the Infrastructure Revitalization FOA are intended to: revitalize the U.S. capacity for university-led nuclear R&D by establishing and/or improving infrastructure to align with the advanced reactor technologies being deployed by the U.S. nuclear industry; support innovative combinations of facilities, equipment, and related capabilities to maximize the value of investments toward R&D; emphasize support for rapid, lower-cost approaches that can enable advanced-reactor-relevant R&D, education and workforce development prior to any universities establishing advanced research reactors; and involve consortia among diverse types of institutions to maximize participation and realization of benefits by underrepresented communities that have historically faced challenges to such access. Requests should focus on a goal or capability that significantly adds to the current U.S. capacity to support advanced reactor R&D, education, and workforce development. Applicants must demonstrate the connection among requested pieces of equipment or other project elements toward a key objective or outcome. Only **one** proposal will be advanced in response to this opportunity.

Internal deadline: Preproposal due in InfoReady by January 8 ([template](#))

Sponsor deadline: February 14

2. **Selected Funding Opportunities:**

[NSF Dear Colleague Letter: NSF and Micron Foundation Partnership for the Robert Noyce Teacher Scholarship Program](#) This Dear Colleague Letter (DCL) encourages submission of proposals to the Robert Noyce Teacher Scholarship (Noyce) program that will excite, motivate, and prepare students for participation in the microelectronics industry. The Noyce program plays a seminal role in supporting the development of K-12 teachers who are well-prepared to support learners in successful experiences focused on concepts key to careers in microelectronics. Deadline: August 27

[NSF Dear Colleague Letter: Assessing Societal and Economic Impacts of Place-Based Innovation](#) With this Dear Colleague Letter (DCL), the National Science Foundation's (NSF's) Directorate for Technology, Innovation and Partnerships (TIP) announces its intention to invest in EARly-concept Grants for Exploratory Research (EAGER) proposals that will advance the state of the art in assessing the societal and economic impacts of place-based

innovation. The subsequent EAGER awards will advance research that addresses gaps in publicly available data and associated knowledge to adequately and appropriately benchmark activities in place-based innovation grounded in integrating research and development (R&D), translation, and workforce development (WFD), with emphases on how we leverage the full spectrum of diversity, equity, inclusion, and accessibility (DEIA) as well as leveraging of cross-sector partnerships. Deadline: January 29 – Concept outline; April 17 – Proposal

[NSF Dear Colleague Letter: Funding Opportunities for Engineering Research in Artificial Intelligence](#) The Directorate for Engineering encourages the submission of all types of research and education proposals related to AI, including proposals in the following areas: Fundamental engineering AI research; Applications of AI to engineered systems; Smart sensing and analytics; Implementation of AI technologies in electronic, magnetic and optical hardware; Data types - speech, image, and video data; Autonomous systems and robots; Training data for engineering AI; Behavior of engineered and biological materials; Modeling of transport phenomena; Human-AI collaboration; Assistive and rehabilitation technologies; Computational and AI models of physiological systems; Bioimaging technologies leveraging AI; Scaling of AI applications in manufacturing; and AI for resilience and sustainability of civil infrastructure and infrastructure systems. Deadline: April 30 unless otherwise stated

[NSF Dear Colleague Letter: Funding Opportunities for Engineering Research in Quantum Information Science and Engineering](#) The Directorate for Engineering encourages the submission of all types of research and education proposals related to QISE, including proposals in the following areas: Quantum devices; Quantum systems; Quantum information processing; Quantum-based network security; Cryogenics; Quantum manufacturing; Turbulent flows, heat transfer, and material behavior; Thermal management for quantum technologies; Quantum technology interfaces; Process design, optimization, and control. Deadline: April 30 unless otherwise stated

[NSF Dear Colleague Letter: Funding Opportunities for Engineering Research in Biotechnology](#) The Directorate for Engineering encourages the submission of all types of research and education proposals related to biotechnology, including proposals in the following areas: Synthetic biology and related biotechnology; Environmental biotechnology; Novel biorecognition elements; Biological separations; Biomanufacturing using cells; Tissue biomanufacturing; Mechano-biotechnologies; Biological heat and mass transport; Biophotonic technologies; Biofluids; Scalable design, planning and control of biomanufacturing systems and supply chains; ND Bioelectronic and biomagnetic sensing systems. Deadline: April 30 unless otherwise stated

[NSF Dear Colleague Letter: Funding Opportunities for Engineering Research in Advanced Wireless](#) The Directorate for Engineering encourages the submission of all types of research and education proposals related to advanced wireless, including proposals in the following areas: Novel devices and circuits for future wireless; Integrated wireless transceivers; Integrated antennas; Electromagnetic engineering; Wireless technologies for healthcare; Wireless environmental sensing; Quantum-inspired wireless technologies; AI-empowered wireless devices and systems; Security and privacy of wireless systems; Hybrid wireless technologies; Wireless power and energy harvesting; Wireless connectivity for power systems; Wireless technologies for future smart transportation; and Wireless technologies for manufacturing. Deadline: April 30 unless otherwise stated
Deadline:

[Dear Colleague Letter: Funding Opportunities for Engineering Research in Emerging Areas of Advanced Manufacturing](#) The Directorate for Engineering encourages the submission of all types of research and education proposals related to emerging areas of advanced manufacturing, including proposals in the following areas: Human-Machine Interaction; Biomanufacturing using cells and cellular components; Tissue biomanufacturing; Cyber manufacturing and systems integration; Autonomous systems and robots; Computational and AI models of physiological systems; Eco manufacturing; Environmentally sustainable manufacture of semiconductors; Semiconductor and electronics manufacturing processes; Nanomanufacturing; Scalable design, planning and control of manufacturing systems and supply chains; and Additive manufacturing for civil infrastructure. Deadline: April 30 unless otherwise stated

[***NIH Stephen I. Katz Early Stage Investigator Research Project Grant \(R01\)***](#) The Stephen I. Katz Early Stage Investigator Research Project Grant supports an innovative project that represents a change in research direction for an early stage investigator (ESI) and for which no preliminary data exist. Applications submitted to this Notice of Funding Opportunity (NOFO) must not include preliminary data. Applications must include a separate attachment describing the change in research direction. Deadline: January 26

[***NIH NIDCD Research Opportunities for New Investigators to Promote Workforce Diversity \(R01\)***](#) This program is intended to support Early Stage and New Investigators from diverse backgrounds, including those from groups underrepresented in the health-related sciences. Deadline: February 28

[***NIH Research Initiative for Vaccine and Antibiotic Allergy \(UG3/UH3\)***](#) The purpose of this notice of funding opportunity (NOFO) is to support research that enhances understanding of the mechanisms and management of vaccine and antibiotic drug allergy. Deadline: June 21

[***DOE-SC Integrated Biological and Computational Low-Dose Radiation Research***](#) DOE SC program in Biological and Environmental Research (BER) hereby announces its interest in development of integrated biological and computational research to gain a mechanistic understanding of the effects of low dose radiation exposure on cellular functions. The long-term goal is to build on the understanding of radiation effects on cellular function and establish comprehensive datasets amenable to incorporation into increasingly capable AI/ML models to identify both transient and persistent changes in cellular metabolism that may be linked to adverse health outcomes. Deadlines: February 6 – Pre-application; April 2 - Application

[***DOE-NETL FY 2024 Technology Integration \(TI\) Funding Opportunity Announcement***](#) This FOA supports a broad technology portfolio that includes alternative fuels, workforce development and training, and other efficient advanced technologies that can reduce transportation energy costs for businesses and consumers. The program provides objective, unbiased data and real-world lessons learned to inform future research needs and support local decision making. It also includes projects to disseminate data, information, and insight, as well as online tools and technology assistance to cities and regions working to implement alternative fuels and energy efficient mobility technologies and systems. Deadline: January 24

[***NEH Fellowships Open Book Program***](#) This limited competition awards publishers a \$6,600 grant to release open access digital editions of books whose underlying research was funded by an eligible NEH fellowship or grant. (See NOFO section A. Program Description for a complete list of eligible programs.) Publishers must release e-books under a Creative Commons license, making those books free for anyone to download. Deadline: March 13

3. Anticipated Funding Opportunities

[***Notice of Intent: DOE-NETL Bipartisan Infrastructure Law \(BIL\) - Clean Fuels & Products Shot: Supporting Carbon Utilization Products via Electrochemical Conversion and Refinery Retrofitting***](#)

[***Notice of Intent: DOE-NETL FY2024 Vehicle Technologies Office Research & Development Funding Opportunity Announcement***](#)

[***Notice of Intent: DOE-NNSA Predictive Science Academic Alliance Program \(PSAAP\) IV***](#)

4. Other:

[***DOE Request for Information: Supercritical Carbon Dioxide-Based Turbomachinery for Concentrating Solar-Thermal Power Plants***](#)