

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).

**Limited Submission:** [Camille & Henry Dreyfus Foundation Camille Dreyfus Teacher-Scholar Awards Program](#) The Camille Dreyfus Teacher-Scholar Awards Program supports the research and teaching careers of talented young faculty in the chemical sciences, including biochemistry, materials chemistry, and chemical engineering. Criteria for selection include an independent body of scholarship attained in the early years of their appointment and a demonstrated commitment to education, signaling the promise of continuing outstanding contributions to both research and teaching. Nominees must hold a full-time tenure-track academic appointment focused on the chemical sciences and are normally expected to have been appointed no earlier than mid-year 2018. Criteria for selection include demonstrated leadership in research and education, compelling evidence of the advance of important knowledge in the chemical sciences, and dedication and contributions to education, particularly with respect to undergraduates. Other factors are awards and honors, publication of research achievements in leading journals, and success in attracting research funding. The award provides an unrestricted research grant of \$100,000 over five years – \$7,500 of which is for departmental expenses associated with research and education. For this opportunity, Purdue may submit **one** nomination.

*Internal deadline:* Preproposal due in InfoReady by July 24 ([template](#))

*Sponsor deadline:* February 1

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

[NSF Catalysis](#) The goals of the Catalysis program are to increase fundamental understanding in catalytic engineering science and to advance the development of catalysts and catalytic reactions that are beneficial to society. Research should focus on critical challenges and opportunities in both new and proven catalysis technologies. Areas of emphasis may include novel catalyst compositions, structures, operating environment, data science tools, theory, and modeling – preferably in various combinations as dictated by the specific reaction and related knowledge and technology gaps. Target applications include fuels, specialty and bulk chemicals, environmental catalysis, biomass conversion to fuels and chemicals, greenhouse gas mitigation, recycling of waste materials, generation of solar hydrogen, as well as efficient routes to energy utilization. Deadline: On-going

[NSF Cooperative Studies of the Earth's Deep Interior \(CSEDI\)](#) The CSEDI program calls for proposals that take a bold multidisciplinary approach to understanding Earth's deep interior. CSEDI welcomes proposals that include but are not limited to: Early Earth; Deep Earth Engine: Dynamic Processes in the Earth's Deep Interior; and Deep Earth to Surface Interactions. The above themes are intended to describe the exciting frontiers for deep earth research in a broad sense and are not intended to be prescriptive in limiting CSEDI proposal topics. CSEDI welcomes proposals that push the scientific frontiers at the boundaries of EAR programs and those of other divisions, notably Ocean Sciences, Astronomy,

and Atmospheric and Geospace Sciences (for example, the study of (exo)planets to deepen our understanding of the early Earth and its interior). Deadline: September 25

**NIH Notice of Special Interest (NOSI): Using Targeted Degradation of Protein and non-Protein Targets for the Development of Novel Anti-Infectives** The purpose of this Notice of Special Interest (NOSI) is to invite applications for research on the use of targeted protein and nonprotein degradation (e.g., RNA) as it relates to the development of anti-infective strategies against viral, bacterial, and fungal pathogens and/or their toxins (e.g., Lethal and Edema Toxins of *Bacillus anthracis*). Both novel monofunctional (e.g., Molecular Glues) and hetero-bi/tri-functional (e.g., PROTAC or PROTAC-like) strategies will be considered. Deadline: October 5

**NIH Notice of Special Interest (NOSI): Advancing Biomedical Research in Pulmonary Non-Tuberculous Mycobacterial (NTM) Infections** This Notice of Special Interest (NOSI) encourages applications that seek to better understand Pulmonary Non-Tuberculous Mycobacteria (NTM) Infections and inform development of medical countermeasures. Deadline: October 5 and after

**NIH Notice of Special Interest (NOSI): Promoting Research and Development of Vaccines Against Enteric Viruses** The purpose of this Notice of Special Interest (NOSI) is to highlight NIAID's interest in supporting vaccine research and development against enteric viruses. The scope of research supported is in three major topic areas: 1) address gaps in enteric virus research to support the development of a vaccine; 2) develop tools and resources to support vaccine development; and 3) develop and advance new vaccine candidates to prevent infection or severe gastrointestinal disease. This NOSI encourages studies focusing on rotavirus, caliciviruses, astroviruses, and adenoviruses (*Human mastadenovirus* F and G). Deadline: July 16

**DOE ARPA-E Revolutionizing Ore to Steel to Impact Emissions (ROSIE)** The ROSIE Program is a 3-year, \$35 million program developing pathways to zero emissions ironmaking and ultra-low life cycle emissions for steelmaking. The program seeks to fund the development and demonstration of novel technologies that produce iron-based products from iron-containing ores and alternative feedstocks without process emissions in the ironmaking step. The Program's technologies will demonstrate a path to cost-competitiveness with traditional incumbent carbothermic blast furnace ironmaking. The technologies funded through this program have transformative potential, because no technology route exists today that meets both this emissions constraint and this cost parity goal. The program will have two categories. Category A includes processes from ore to ironmaking. Category B must include ironmaking but can extend to downstream steel production. Deadlines: August 8 – Concept paper; TBD – Full application

**DOD-NAWCAD Naval Air Warfare Center Aircraft Division Office-wide Broad Agency Announcement** NAWCAD is interested in receiving proposals for research and development projects, which offer potential for advancement and improvement of NAWCAD operations. Areas of interest include: aeromechanics; artificial intelligence/machine learning; avionics, sensors & electronic warfare; cyber, data science & visualization; digital engineering; human systems; hypersonic systems; mechanical systems; power and propulsion systems; quantum; secure communications & networks; support equipment; test and evaluation engineering; and warfare analysis. Deadline: On-Going

**DOD-DARPA Biological Technologies** This announcement seeks revolutionary research ideas for topics not being addressed by ongoing BTO programs or other published solicitations. BTO is interested in submissions related to the following topic areas: General topics; human performance; materials, sensors, processing; ecosystem and environmental; biosecurity and biosafety; and biomedical and biodefense. Deadlines: On-going

**USDA-FNS FY23 Review of Produce Safety University** The purpose of the Review of the Produce Safety University Cooperative Agreement is to select one organization to evaluate the Produce Safety University (PSU) course developed by USDA Food and Nutrition Service (FNS) in collaboration with USDA Agricultural Marketing Service (AMS). PSU is a week-long train-the-trainer immersion course that is typically held five times each year in the late spring and summer months. The course immerses child nutrition professionals in the fresh produce supply chain. Participants learn to identify and manage food safety risks associated with fresh produce whether it's purchased from farmers or distributors, received whole or fresh-cut, or grown in a school garden. The curriculum covers all aspects of the fresh produce supply

chain from growing and harvesting to storage and preparation through a combination of lecture, laboratory, and field-trip instruction. Deadline: August 21

**[DOI Cooperative Agreement for CESU-affiliated Partner with Great Lakes-Northern Forest Cooperative Ecosystem Studies Unit](#)**

The USGS is offering a funding opportunity to a CESU partner for research in phylogenetics, metagenomics, proteomics, and bioinformatics to inform mechanisms and processes that influence cyanotoxin production. Understanding the drivers and control mechanisms for algal toxin production is critical to developing new mitigation and prevention approaches of Harmful Algal Blooms (HABs) across the nation. Advances in the 'omics methods have provided a suite of tools that can be used to enhance the understanding of HABs and toxin production dynamics. These tools can be used to characterize and study cyanobacteria and algal species, genes responsible for toxin production, and evolution of organisms and metabolic pathways. Deadline: July 26

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

**[DOE-NETL Notice of Intent \(NOI\) related to Innovative Technologies to Eliminate Flaring from Oil & Natural Gas Production](#)**

**[NEH Spotlight on Humanities in Higher Education](#)** Estimated posting on July 18

**[NEH Dangers and Opportunities of Technology: Perspectives from the Humanities](#)** Estimated posting July 11

### **4. Other:**

**[Frequently Asked Questions \(FAQs\) for the Noyce Program 2023](#)**

**[NSF Frequently Asked Questions \(FAQs\) for the Faculty Early Career Development \(CAREER\) Program for Submission in Years 2022 - 2026](#)**

**\*\*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.