

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 EVPRPlimited@purdue.edu.

Limited Submission: [*Mellon Foundation Call for Concepts: Exploring Democracy, Environmental Justice, and Social Justice*](#) Through its Higher Learning grantmaking area, Mellon invites humanities-grounded ideas for research and curricular projects focused on any of three topics: Cultures of US Democracy, Environmental Justice Studies, and Social Justice and Disciplinary Knowledge. The Principal Investigator (PI) should be a faculty member or dean in a program or department in the humanities or humanistic social sciences, or the institution's provost, and should have the support of the institution's senior academic leadership. Only **three** submissions are allowed per institution.

Internal deadline: Preproposal due in InfoReady by November 20 ([template](#))

Sponsor deadlines: November 30 – Registration; February 15 - Concept

2. **Selected Funding Opportunities:**

[**NSF Dear Colleague Letter: Future Proofing Plants to a Changing Climate**](#) This Dear Colleague Letter (DCL) highlights a new trilateral funding opportunity that will support collaborative research in the three countries – United Kingdom, United States, and Germany. Research themes of interest include: From Molecules and Mechanisms to Field Performance, and Programmable Plants; Deadline: Submit expression of interest; Proposal by invite

[**NSF Designing Synthetic Cells Beyond the Bounds of Evolution \(Designer Cells\)**](#) The goal of this solicitation is to support research that (1) develops cell-like systems to identify the minimal requirements for the processes of life, (2) designs synthetically-modified cells to address fundamental questions in the evolution of life or to explore biological diversity beyond that which currently exists in nature, and (3) leverages basic research in cell design to build novel synthetic cell-like systems and cells for innovative biotechnology applications. Highest funding priority is given to proposals that have outstanding intellectual merit and broader impacts, while proposals with weaknesses in either category (or those that are perceived as likely to have an incremental impact) will not be competitive. Proposals submitted to this solicitation should address social, ethical, and safety issues associated with designing and building synthetically modified cells as an integrated component of the project. Deadline: February 1

[NSF Incorporating Human Behavior in Epidemiological Models \(IHBEM\)](#) The Incorporating Human Behavior in Epidemiological Models (IHBEM) Program supports research that incorporates research on social and behavioral processes in mathematical epidemiological models. The program provides support for projects that involve balanced participation from the mathematical sciences and from the social, behavioral, and economic sciences. Deadline: February 14

[NSF International Research Experiences for Students \(IRES\)](#) The IRES program supports international research and research-related activities for U.S. science and engineering students. The IRES program contributes to development of a diverse, globally engaged workforce with world-class skills. IRES focuses on active research participation by undergraduate and/or graduate students in high quality international research, education and professional development experiences in NSF-funded research areas. Deadline: February 5

[NSF Dear Colleague Letter: Seafloor Geodesy](#) This program invites proposals for field campaigns to deploy seafloor transponders from the existing instrument pool for four sites at tectonic settings in the Cascadia and Alaskan subduction zones. A multi-year deployment is envisioned with requisite waveglider surveys. Of particular interest are proposals that target volcanic processes, transform processes, plate motions, or polar regions. Deadline: February 15

NIH Bidirectional Influences Between Adolescent Social Media Use and Mental Health The purpose of this Notice of Funding Opportunity (NOFO) is to encourage applications that focus on understanding bidirectional relationships between social media use and adolescent mental illness, psychiatric symptoms, and risk or resilience for psychopathology.

- **[R01](#)** Deadline: March 1
- **[R21](#)** Deadline: March 1

NIH Ethical, Legal, and Social Implications (ELSI) Small Research Grant This Notice of Funding Opportunity (NOFO) invites applications that propose to study the ethical, legal and social implications (ELSI) of human genetic or genomic research.

- **[R01](#)** Deadline: February 20
- **[R03](#)** Deadline: February 19
- **[R21](#)** Deadline: February 20

NIH Advancing Genomic Medicine Research This NOFO solicits proposals that stimulate innovation and advance understanding of when, where, and how best to implement the use and sharing of genomic information and technologies in clinical care provided to all persons irrespective of racial/ethnic background or socioeconomic status.

- **[R01](#)** Deadline: December 1
- **[R03](#)** Deadline: December 1
- **[R21](#)** Deadline: December 1

[NIH-NCI Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research \(R21\)](#) This notice of funding opportunity (NOFO) is a continuation of an NCI program to enhance the diversity of the pool of the cancer research workforce by recruiting and supporting eligible New Investigators and Early Stage Investigators from diverse backgrounds, including from groups that have been shown to be nationally underrepresented in the biomedical, behavioral, clinical and social sciences. This NOFO will fund investigators to develop a larger research project grant application. Deadline: June 18

[NIH NIAID Research Education Program Advancing the Careers of a Diverse Research Workforce \(R25\)](#) The overarching goal of this R25 program is to support educational activities that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research. Deadline: January 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, parasitic, 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: On-going

[NIH Blueprint Neurotherapeutics Network \(BPN\): Small Molecule Drug Discovery and Development of Disorders of the Nervous System \(UG3/UH3\)](#) The Blueprint Neurotherapeutics Network (BPN) invites applications from neuroscience investigators seeking support to advance their small molecule drug discovery and development projects into the clinic. Participants in the BPN are responsible for conducting all studies that involve disease- or target-specific assays, models, and other research tools and receive funding for all activities to be conducted in their own laboratories. In addition, applicants will collaborate with NIH-funded consultants and can augment their project with NIH contract research organizations (CROs) that specialize in medicinal chemistry, pharmacokinetics, toxicology, formulations development, chemical synthesis including under Good Manufacturing Practices (GMP), and Phase I clinical testing. Projects can enter either at the Discovery or the Development stage. Deadline: February 9

[NIH-NCI Assay Validation of High Quality Markers for Clinical Studies in Cancer \(UH2/UH3\)](#) The National Cancer Institute (NCI) invites applications to support the validation of molecular/cellular/imaging markers (referred to as "markers" or "biomarkers") and assays for cancer detection, diagnosis, prognosis, monitoring, and prediction of response or resistance to treatment, as well as markers for cancer prevention and control. This NOFO will support investigator-initiated research for both analytical, and clinical validation of assays to be used in cancer treatment, control, or prevention trials supported by the NCI. This NOFO will also support the validation of pharmacodynamic markers and markers of toxicity. Applicants should have assays that work on human samples and whose importance is well justified for development into clinical assays. Deadline: February 20

[DOE-EERE Buildings Energy Efficiency Frontiers & Innovation Technologies \(BENEFIT\)](#) The 2024 BENEFIT FOA will invest up to \$30M across four topic areas: Topic 1: Heating, Ventilation, and Air Conditioning and Water Heating; Topic 2: Innovative, Replicable, and Low-Cost Roof and Attic Retrofits; Topic 3: Building Resilience and Capacity Constraints; and Topic 4: Commercial Lighting Retrofit Advancements. Deadlines: December 18 – Concept paper; March 5 – Full application

[DOE ARPA-E Spurring Projects to Advance Energy Research and Knowledge Swiftly \(SPARKS\) – Concept Paper](#) The broad objective of this FOA is to identify disruptive concepts in energy-related technologies that challenge the status quo and represent a leap beyond today's technology. An innovative concept alone is not enough; the idea must also have the potential to be impactful. This FOA seeks concepts that, if successful, would represent a fundamentally new paradigm in energy technology with the potential to make a significant impact on ARPA-E's statutory goals. Concepts of particular interest have the potential to (1) achieve percentage-level reductions in U.S. energy consumption, energy-related imports, or greenhouse gas emissions; (2) improve the resilience, reliability, and security of energy infrastructure; and/or (3) improve the management, clean-up, and disposal of nuclear byproducts. Deadline: On-going

[DOD-DARPA Objective Prediction of Team Effectiveness via Models of Performance Outcomes \(OP TEMPO\)](#) OP TEMPO will explore whether bio-behavioral signals can be used as valid, objective signatures of team performance. OP TEMPO focuses directly on the fundamental research necessary to identify bio-behavioral signatures associated with team cohesion, collaboration, and performance. As such, OP TEMPO will develop the foundation for novel approaches to understand, model, and assess team dynamics during training. Deadlines: December 1 – Abstract; January 31 - Full proposal

[NASA-ROSES Future Investigators in NASA Earth and Space Science and Technology](#) Through FINESST, the Science Mission Directorate (SMD) solicits proposals from accredited U.S. universities and other eligible organizations for graduate student-designed and performed research projects that contribute to SMD's science, technology, and exploration goals. The Future Investigator (FI) i.e., the student participant, shall have the primary initiative to define the proposed FINESST research project and must be the primary author, with input or supervision from the proposal's Principal Investigator (PI), as appropriate. Deadline: February 21

[DoED IES Research Networks Focused on Critical Problems of Education Policy and Practice](#) Through the Research Networks Focused on Critical Problems of Education Policy and Practice grant program, NCER focuses resources and attention on specific education problems or issues that are a high priority for the Nation and establishes both a structure and process for researchers who are working on these issues to share ideas, build new knowledge, and strengthen their research and dissemination capacity. Deadlines: November 14 – LOI; January 11 - Application

3. **Anticipated Funding Opportunities**

[NIH Notice of Intent to Publish a Funding Opportunity Announcement for Translational Neural Devices \(R61/R33\)](#)

4. **Other:**

[NSF Request for Input for Sustainable Computing for Sustainability Workshop](#)

****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.