

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: *NSF Innovations in Graduate Education (IGE)* The Innovations in Graduate Education (IGE) program is designed to encourage the development and implementation of bold, new, and potentially transformative approaches to STEM graduate education training. The program seeks proposals that explore ways for graduate students in research-based master's and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers. IGE focuses on projects aimed at piloting, testing, and validating innovative and potentially transformative approaches to graduate education. IGE projects are intended to generate the knowledge required for their customization, implementation, and broader adoption. The program supports testing of novel models or activities with high potential to enrich and extend the knowledge base on effective graduate education approaches. Only **two** submissions are allowed as lead or a collaborator.

Internal deadline: Preproposal due in InfoReady by February 19 ([template](#))

Sponsor deadline: April 22

Limited Submission: *ARPA-H Platform Accelerating Rural Access to Distributed and Integrated Medical Care (PARADIGM)* The PARADIGM program aims to address the current challenges in rural health by creating a scalable vehicle platform that can provide advanced medical services outside of a hospital setting. Building on recent developments in fields ranging from satellite communication to medical device miniaturization, this mobile care platform will allow health providers to meet rural patients where they are. In order to create a platform that can bring sophisticated medical services to the doorstep of rural populations, PARADIGM will focus on five technical areas: 1) designing distributed hospital-level care, 2) producing an integrated care delivery platform, 3) harmonizing diverse medical device data within a single system, 4) building a miniaturized, ruggedized CT scanner, and 5) creating intelligent task guidance software to help health workers perform activities beyond their usual training. Up to **two** abstracts can be submitted per technical area but only **one** full proposal can be submitted to each category. A [Proposer's Day](#) will be held on February 15 with registration required by February 5.

Internal deadline: Preproposal due in InfoReady by February 12 ([template](#))

Sponsor deadlines: February 27 – Abstract; April 26 – Full proposal

Limited Submission: [USDA-NIFA Research Facilities Act Program \(RFAP\)](#) The purpose of the Research Facilities Act Program (RFAP) is to assist qualifying institutions with the costs related to constructing, purchasing, updating, renovating, or modifying agricultural research buildings to conduct research in the areas of agriculture and food sciences. The proposed agricultural research facility must expand the institution's capacity for long-term impactful research and must be the result of thorough strategic planning. Awards may be used to fund the construction of buildings or sites for agricultural research facilities or other facilities that store agricultural research experimental samples or specimens, as well as the purchase of real estate or durable equipment. Cost share is required with at least 100% match. There are three funding levels – Level 1 = \$150k + match; Level 2 = \$500k + match; and Level 3 = \$750k + match. Only **one** submission is allowed per institution as lead.

Internal deadline: Preproposal due in InfoReady by February 19 ([template](#))

Sponsor deadline: April 4

Limited Submission: [USDA-RD Rural Innovation Stronger Economy \(RISE\) Grants](#) RISE grants are made for the benefit of rural jobs accelerator partnerships (partnership). These partnerships are working groups that consist of community and regional stakeholders whose focus is the needs of an identified industry cluster. RISE grant funds can be used to: Build or support a business incubator facility; Provide worker training to assist in the creation of new jobs; Train the existing workforce with skills for higher-paying jobs; or Develop a base of skilled workers and improve their opportunities to obtain high-wage jobs in new or existing local industries. Funds must be matched by at least 20% for each eligible RISE activity. Only **one** application is allowed per institution as lead.

Internal deadline: Preproposal due in InfoReady by February 19 ([template](#))

Sponsor deadline: April 1

Limited Submission: [EPA Centers of Excellence for Stormwater Control Infrastructure Technologies Grant Program](#) The EPA is soliciting applications from eligible entities to establish and maintain regional Centers of Excellence for new and emerging stormwater control infrastructure technologies, with the goal of improving the effectiveness, cost efficiency, and protection of public safety and water quality. The EPA is also soliciting applications from eligible entities to create and maintain a national electronic clearinghouse to centrally collect and distribute the work of the Centers of Excellence. There are two Project Areas: 1) Establish and maintain a regional Center of Excellence; and 2) Create and maintain a national electronic clearinghouse. Only **one** proposal is allowed per topic area. *A proposal can be submitted to Project Area 1 but a proposal cannot be submitted to Project Area 2 unless one is also submitted to Project Area 1.*

Internal deadline: Preproposal due in InfoReady by February 12 ([template](#))

Sponsor deadline: March 18

2. Selected Funding Opportunities:

[NSF Partnership to Advance Conservation Science and Practice \(PACSP\)](#) The objective of the PACSP Program is to support conservation research that investigates organismal biology, ecology, and/or evolution and is designed to contribute to the development and implementation of evidence-based activities and/or technology solutions to advance biodiversity conservation. NSF, along with the Paul G. Allen Family Foundation, seeks proposals that involve the implementation of conservation activities based on conservation science principles via academic-conservation organization partnerships. The strongest projects will involve ongoing assessment of biodiversity outcomes, for instance via an adaptive management framework, that inform both scientific understanding and conservation actions. Deadline: April 24

[NSF Sustainable Regional Systems Research Networks \(SRS RNs\)](#) The goal of this solicitation is to fund convergent research and education that will advance sustainable regional systems science, engineering, and education to facilitate the transformation of current regional systems to enhance sustainability. These awards will support fundamental convergent research, education, and outreach that addresses engineering, chemistry,

biology, geosciences, mathematics, statistics, environmental, data, computational, education, and social, behavioral, and economic sciences of sustainable regional systems in partnerships that may embrace universities, colleges, federal, state, and local governments, tribal communities, non-governmental and international bodies, non-profit organizations, industry, practitioners, and other community groups. Deadline: May 15

[NSF Dear Colleague Letter: The Social and Behavioral Science of Bias, Prejudice and Discrimination \(BPD\)](#) SBE programs have supported transformative projects on many topics in this area, such as the developmental origins of social bias, neural mechanisms underlying how stereotypes bias behavior, principal factors driving the expansion of bias, identification of protective factors that mitigate bias, and interventions aimed at reducing bias, discrimination, and prejudice. Proposals submitted in response to this DCL should be submitted to existing programs, following their guidelines, including program scope and deadlines or target dates. Deadline: Varies

[NIH Mechanistic Studies on Social Behavior in Substance Use Disorder \(R01\)](#) The purpose of this NOFO is to solicit applications proposing mechanistic transdisciplinary research in animal models that integrates approaches across social/cognitive neuroscience with perspectives from fields with complementary approaches to the study of social behavior, with the goal of developing a testable conceptual or computational model that provides mechanistic insights into social behavior and its relationships with the onset, trajectory and impact of Substance Use Disorders (SUD) and comorbidities. This NOFO is intended to support basic or translational research in non-human animal models, including secondary analysis of data from research in animal models. Deadline: August 14

[NIH Understanding Mechanisms and Outcomes of Trained Immunity](#) The purpose of this NOFO is to support research that improves understanding of basic mechanisms and biomarkers of trained immunity (*i.e.*, innate immune memory), plus the functional implications of trained immunity, related to 1) immune system development and function, 2) immunity to vaccines or natural infections, or 3) allergic diseases, autoimmunity, or rejection of organ/tissue/cell transplantation.

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

[NIH Novel Approaches for Radiation Biodosimetry Assays and Devices Development \(U01\)](#) The purpose of this NOFO is to support radiation research at all stages of development for the identification of biomarkers of injury and the development of assays or devices for the purpose of triage, including assessing absorbed dose or predicting health outcomes of acute or delayed injuries resulting from radiation exposure during a public health emergency. This NOFO will support the development of these approaches, with the goal of future regulatory approval. Deadline: May 31

[DOE ARPA-E Catalyzing Innovative Research for Circular Use of Long-Lived Advanced Rechargeables \(CIRCULAR\)](#) The overarching goal of the CIRCULAR program is to successfully translate the definition of a circular economy to the domestic EV battery supply chain by supporting the development of innovative solutions that can overcome both the technological and economic barriers to broad commercial adoption. The program will have four categories: Category A seeks innovations in battery cell materials, designs, regeneration methods, and corresponding manufacturing techniques to prolong battery service life; Category B seeks innovations in battery pack designs, materials, and reversible manufacturing methods as well as fast and safe disassembly techniques to recover manufacturing value of cells and pack components; Category C seeks innovations in cell-level sensing, data analytics, and battery intelligence systems for circularity and safety; and Category D focuses on analytical tools to assess the economic benefits of the technologies developed in Categories A, B, and C, including their impact on GHG emissions and overall material consumption per unit of energy delivered over the lifetimes of battery cells and packs. Deadlines: March 12 – Concept paper; TBD – Full application

[DOE-EERE Platform Technologies for Transformative Battery Manufacturing](#) The goals of this FOA are to advance manufacturing platform technologies in the following specific areas: Platforms for next generation battery manufacturing - focusing on manufacturability and scalability of critical battery components and system architectures as well as the role of machines for battery technologies and smart manufacturing platforms for battery production. This FOA will support activities to advance platform technologies that enable flexible, scalable, and highly controllable battery manufacturing processes. Topics include: 1. Platforms for Next Generation Battery Manufacturing; 1.1 Processes and Machines for Sodium-ion Batteries; 1.2 Processes and Design for Manufacturability of Flow Batteries; 1.3 Scalable Manufacturing of Nanolayered Films for Energy Storage; and 2. Smart Manufacturing Platforms for Battery Production. Deadline: March 4 – Concept paper; May 7 - Full application

[DOE-GFO Combined Wellbore Construction High Temperature Tools and Reservoir Thermal Energy Storage \(RTES\)](#) GTO actively pursues research, development, and demonstration projects to facilitate technology validation and demonstration, reduce cost, and improve performance of geothermal technologies. This funding opportunity comprises two topic areas with separate objectives and technical focus: *Topic Area 1*: High-Temperature Tools for Well Integrity Evaluation; and *Topic Area 2*: Utilization of Reservoir Thermal Energy Storage (RTES) Technology for Decarbonization of Industrial Processes. Deadlines: March 1 – LOI; April 1 – Full application

[DOE-GFO FY24 Energy and Emissions Intensive Industries](#) This FOA focuses on subsector-specific decarbonization approaches for the highest emitting and most challenging to address industrial subsectors. The Energy and Emissions Intensive Industries (EII) program within IEDO focuses on improving efficiency and decarbonizing industries with the largest energy use and GHG emissions (i.e. chemicals and refining, iron and steel, cement and concrete, forest and paper products, food and beverage, and other industries such as glass and aluminum). Deadlines: March 19 – Concept paper; June 11 - Application

[USDA-NIFA Agricultural Genome to Phenome Initiative \(AG2PI\)](#) AG2PI focuses on collaborative science engagement of researchers across both crops and animals that will expand genomes and phenomes knowledge in the agriculture sector of the United States. Success of the initiative will inform approaches to understanding how variable weather, environments, and production systems interact with genetic diversity present in crops and animals to impact growth and productivity. These goals require interdisciplinary approaches that combine technologies such as advanced computing, automated high throughput phenotyping and genotyping as well as climatic modeling to be successful. Deadline: May 30

[Melanoma Research Foundation \(MRF\)](#) The MRF offers several research grant opportunities current open. These include: MRF Breakthrough Consortium (MRFBC) Pilot Translational Award Funded by the Brodman Charitable Fund & Friends; MRFBC Young Investigator Team Award to Advance the Field of Translational Immuno-Oncology; Established Investigator Awards (EIA); and Career Development Awards (CDA). See the RFPs for specific eligibility requirements for each program. Deadlines: February 20 – Breakthrough Consortium; March 1 – Young Investigator, EIA and CDA

[The Mark Foundation Endeavor Awards](#) The Mark Foundation Endeavor Awards support collaborative research projects that bring together investigators with diverse areas of expertise to tackle challenges in the prevention, diagnosis, and treatment of cancer. These grants are awarded to teams of three or more investigators to generate and integrate data from diverse lines of research and transform those insights into advances for cancer patients that could not be achieved by individual efforts. Deadline: March 12 – LOI; TBA – Full application by invite

3. Anticipated Funding Opportunities

[DOE-NETL Notice of Intent related to Regional Scale Collaboration to Facilitate a Domestic Critical Minerals Future: Carbon Ore, Rare Earth, and Critical Minerals \(CORE-CM\) Initiative](#)

4. Other:

Innovation Hub and Office of Research: NSF IUSE Mentored Grant Writing Program The Office of the Provost/[Innovation Hub](#) and the Office of the Research invite applications for a mentored proposal-writing experience targeting the [NSF IUSE program](#) (National Science Foundation – Improving Undergraduate STEM Education). Participants in this cohort-based writing program will receive direct mentorship from Dr. Edward Berger, Associate Vice Provost for Learning Innovation and Director of the Innovation Hub, who is a former NSF program officer and the recipient of \$8M+ in NSF funding from IUSE programs as PI or co-PI in the last nine years. Sally Bond, Director of Proposal Strategy and Development in the Office of Research, will co-facilitate the program, which will launch in early March.

1. *All faculty and staff* on the West Lafayette campus who are eligible to serve as PI on a federal award can apply to this program.
2. Participants with proposal ideas in **any area and supported by the IUSE program** are welcome with no preference for any specific discipline or idea. This program focuses on Level 2 and Level 3 IUSE proposals.
3. Download a proposal template [here](#) and learn more about the program. The submission deadline is **February 23, 5pm (EST)**.

[***DOE Request for Information: Industrial Deployment and Demonstration Opportunities for Carbon Capture Technologies***](#)

[***NSF Dear Colleague Letter: Request for Information on Researcher and Educator Use Cases for the National Artificial Intelligence Research Resource \(NAIRR\)***](#)