April 3, 2024

Please see below for a partial list of funding opportunities of interest to faculty and full-time research staff. **The list is not intended for students.**

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: ***William T. Grant Scholars Program*** The William T. Grant Scholars Program supports career development for promising early-career researchers. The program funds five-year research and mentoring plans that significantly expand researchers' expertise in new disciplines, methods, and content areas. Applicants should have a track record of conducting high-quality research and an interest in pursuing a significant shift in their trajectories as researchers. Awards are based on applicants' potential to become influential researchers, as well as their plans to expand their expertise in new and significant ways. The application should make a cohesive argument for how the applicant will expand his or her expertise. The research plan should evolve in conjunction with the development of new expertise, and the mentoring plan should describe how the proposed mentors will support applicants in acquiring that expertise. Proposed research plans must address questions that are relevant to policy and practice in the Foundation's focus areas: Reducing Inequality and Improving the Use of Research Evidence. Applicants must be nominated by their institutions. Only ***one*** proposal is allowed per major division (college) of an institution.

   Internal deadline: Preproposal due in InfoReady by April 22 (template)

   Sponsor deadline: July 3

   Limited Submission: ***NIH Directors Early Independence Awards (DP5)*** The NIH Director's Early Independence Award supports rigorous and promising junior investigators who wish to pursue independent research soon after completion of their terminal doctoral degree or post-graduate clinical training, thereby forgoing the traditional post-doctoral training period and accelerating their entry into an independent research career. For the program to support the best possible researchers and research, applications are sought which reflect the full diversity of the research workforce. In addition, applications in all topics relevant to the broad mission of NIH are welcome, including, but not limited to, topics in the behavioral, social, biomedical, applied, and formal sciences and topics that may involve basic, translational, or clinical research. Only ***two*** applications are allowed per institution.

   Internal deadline: Preproposal due in InfoReady by April 22 (template)

   Sponsor deadline: September 6

Limited Submission: ***Health Resources in Action Falk Catalyst Awards Program*** The Catalyst Research Award Program provides up to $350,000 in seed funding over one to two years, to support high-risk, high-reward translational research that address critical scientific and therapeutic roadblocks and can be transferred to clinical practice in the near term. If successful, these projects will have high impact outcomes that open new avenues for treating, curing, an improving the lives of individuals suffering from disease. Projects must be responsive to the following areas of research focus: 1. Identification of biological markers of disease activity and progression, 2. Identification of targets for therapeutic interventions, and 3. Development of therapeutic agents that will disrupt, arrest, or prevent the disease process. Only ***two*** submissions are allowed per institution.

Internal deadline: Preproposal due in InfoReady by April 22 (template)

Sponsor deadline: June 18

Limited Submission: ***DOD-AFOSR FY24 Defense Established Program to Stimulate Competitive Research (DEPSCoR) – Capacity Building (CB)*** DEPSCoR's objectives are to: (1) increase the number of university researchers in eligible States/Territories capable of performing science and engineering (S&E research responsive to the needs of the DoD; (2) enhance the capabilities of institutions of higher education (IHE) in eligible States/Territories to develop, plan, and execute (S&E) research that is relevant to the mission of the DoD, and competitive under the peer-review systems used for awarding Federal research assistance; and (3) increase the probability of long-term growth in the competitively awarded financial assistance that IHE in eligible States receive from the Federal Government for S&E research. Only ***one*** submission is allowed per institution.

Internal deadline: Preproposal due in InfoReady by April 29 (template)

Sponsor deadlines: June 10 – White paper; November 12 – Full proposal by invite

Internal Coordination Required: ***DOC-NIST FY2024 CHIPS for America*** The purpose of the CHIPS Research and Development (R&D) programs is to advance the development of semiconductor technologies and to enhance the competitiveness of the U.S. semiconductor industry. The CHIPS R&D programs address five cross-cutting issues that were identified through interactions with stakeholders and include: Access to facilities and equipment for late-stage R&D and prototyping; Advanced packaging and testing; Advanced metrology and characterization; Advanced manufacturing technology; and Workforce development. NIST will release a series of NOFOs under this program and it is anticipated that most, if not all, will be limited submission, including those where Purdue is a sub-awardee. **Based on the complexity of this program, all submissions involving Purdue as a participant will be coordinated through OOR at all stages (white paper and full submissions) *including those participating as a sub-awardee*.**

Internal deadline: Contact OORLimited@purdue.edu if interested in participating in any of these NIST opportunities

Sponsor deadline: On-going

2. **Selected Funding Opportunities**:

NSF Dear Colleague Letter: Catalyzing human-centered solutions through research and innovation in science, the environment and society To help generate effective and long-lasting solutions, NSF is providing this funding opportunity to inform possible future Centers for Research and Innovation in Science, the Environment and Society (CRISES). The envisioned centers will catalyze new research and research-based innovations to address seemingly intractable problems that confront society. This announcement encourages multi-disciplinary teams led by social or behavioral scientists to develop research programs to advance scientific understanding of critical challenges facing social and environmental systems at local, regional, and global scales.
Deadline: May 1 – Concept outline; July 1 – Full proposal

NSF Accelerating Research through International Network-to-Network Collaborations (AccelNet) The Accelerating Research through International Network-to-Network Collaborations program (AccelNet) values cooperation over competition. Program goals are to 1) leverage prior NSF support for building research capacity towards activities that launch international research network of networks (NoN) that will lead to an accelerated advancement of an area of science after the award period and 2) recruit and foster a diverse and internationally competent US-based workforce trained in conducting and leading multi-team international collaboration. Any area funded by the National Science Foundation is eligible, particularly those addressing grand research challenges identified within research communities and/or by NSF. Deadline: September 16

NSF Probability The Probability Program supports research on the theory and applications of probability. Subfields include discrete probability, stochastic processes, limit theory, interacting particle systems, stochastic differential and partial differential equations, and Markov processes. Research in probability which involves applications to other areas of science and engineering is especially encouraged. Deadline: September 17

NIH Research to Advance the Science of Primary Care (R01) The purpose of this Notice of Funding Opportunity (NOFO) is to build evidence about the characteristics and value of primary care that influence patient outcomes and advance health equity, such as care coordination, continuity of care, and comprehensiveness of care, person-centered, whole healthcare, and trust, and how these can be improved and effectively delivered to strengthen primary healthcare. Deadline: June 5

NIH Adaptation of Diabetes Control Technologies for Older Adults with T1D (R01) The main objective of this NOFO is to foster development and testing of technologies adaptable to aging-related changes in older adults (aged 65 years or older) with T1D to improve diabetes management and quality of life. Projects will be funded to a) develop and test new technologies and b) to adapt and test existing technologies. Deadline: July 17

NIH Partnerships for the Development of Tools to Advance Therapeutic Discovery for Select Antibiotic-Resistant Gram-Negative Bacteria (R01) The purpose of this NOFO is to support milestone-driven projects focused on developing and utilizing novel predictive models, assays, tools, and/or platforms based on penetration and efflux of small molecules to facilitate therapeutic discovery for select Gram-negative bacterial pathogens: carbapenem-resistant Acinetobacter, carbapenem-resistant Enterobacteriaceae (CRE), and multidrug-resistant Pseudomonas aeruginosa. Deadline: August 20

NIH Preclinical Proof of Concept Studies for Rare Diseases (R21) This notice of funding opportunity (NOFO) provides funding to conduct efficacy studies in an established rare disease preclinical model to demonstrate that a proposed therapeutic agent warrants further development. In addition to preclinical efficacy, accompanying pharmacodynamic and pharmacokinetic studies would be supported. Therapeutic agents include small molecules, biologics or biotechnology-derived products. The goal of this NOFO is to spur therapeutic development for a variety of rare diseases by advancing projects to the point where they would attract subsequent investment supporting full Investigational New Drug (IND) application development or progression to clinical trials in the case of repurposing or repositioning. Deadline: June 3

NIH NHLBI Early Phase Clinical Trials for Therapeutics and/or Diagnostics for HLBS Disorders (R61/R33) The objective of this NOFO is to support investigator-initiated, Phase I clinical trials for diagnostic and therapeutic interventions for heart, lung, blood, and sleep (HLBS) disorders in adults and children. In addition to supporting clinical trial start-up and implementation activities, this NOFO will provide support for final stage preclinical activities needed for the implementation of the proposed trial. Deadline: June 4

NIH Maximizing Access to Research Careers (MARC) (T34) This funding announcement provides support to eligible, domestic organizations to develop and implement effective, evidence-informed approaches to biomedical undergraduate training and mentoring to support the development of a biomedical research workforce that will benefit from the full range of perspectives, experiences and backgrounds needed to advance discovery. NIGMS expects organizations to engage in outreach and recruitment activities to encourage individuals from underrepresented groups to participate in the program. The proposed research training

programs will incorporate didactic, research, and career development elements to prepare trainees for careers that will have a significant impact on the health-related research needs of the nation. Deadline: May 29

DOE/Fluor Naval Nuclear Laboratory Maintenance & Repair Technologies Developing solutions to improve Navy maintenance and repair evolutions directly increases the readiness of the fleet and the availability of resources across the maintenance enterprise. Implementation of new technology for the maintenance or repair of turbine generators, pumps and motors, condensers / heat exchangers, valves, piping, instrumentation and control hardware, circuit cards, sensors, and cables supports the Navy's goals to improve operational availability of fleet assets. The Naval Nuclear Propulsion Program is seeking solutions that can be qualified and deployed in the next 12 to 24 months and can perform mechanical and/or electrical sustainment/maintenance and repairs of Naval Nuclear propulsion plants. Deadline: June 5

DOE/Fluor Naval Nuclear Laboratory Digital Transformation of 2D Models Converting existing 2D drawings and manuals into system level models presents significant challenges: 1. Data Extraction; Data Transformation; 3. Modeling Complexity; 4. Data Integration; and 5. Security and Compliance. Solutions are being sought for the Navy to be able to unlock valuable insights from its extensive collection of 2D drawings and manuals and detailed computer simulations. The proposed solution should enable enhanced operational effectiveness and faster shipboard issue response along with improved maintenance planning and delivering more effective training and simulations. Deadline: June 5

DOD-ONR Science and Technology for Advanced Manufacturing Projects (STAMP) The overall goal of this BAA effort is to continue to support Manufacturing Technology projects that offer potential for advancement and improvement of military operations in areas that address the focus areas of the DoD ManTech Program, the DoD-managed Manufacturing Innovation Institutes, and the Manufacturing Innovation Institutes (MIIs). The focus of this BAA is primarily on projects that continue to advance the systems engineering approach needed for the design, fabrication, and manufacture of structural components to address challenges in system weight, performance, affordability, and/or survivability. The foundation of this approach should include the integration of materials information, captured in computational tools, with engineering product performance analysis and manufacturing-process simulation termed commonly as Integrated Computational Materials Engineering (ICME). Deadline: On-going

DOD-AFOSR FY24 Defense Established Program to Stimulate Competitive Research (DEPSCoR) – Research Collaboration (RC) ***and*** ***Capacity Building (CB)*** DEPSCoR's objectives are to: (1) increase the number of university researchers in eligible States/Territories capable of performing science and engineering (S&E research responsive to the needs of the DoD; (2) enhance the capabilities of institutions of higher education (IHE) in eligible States/Territories to develop, plan, and execute (S&E) research that is relevant to the mission of the DoD, and competitive under the peer-review systems used for awarding Federal research assistance; and (3) increase the probability of long-term growth in the competitively awarded financial assistance that IHE in eligible States receive from the Federal Government for S&E research. Deadlines for RC: June 24 – White paper; November 25 – Full proposal by invite; Deadlines for CB: June 10 – White paper; November 12 – Full proposal by invite

DOD-AFOSR FY24 Defense Established Program to Stimulate Competitive Research (DEPSCoR) – Research Collaboration (RC) DEPSCoR's objectives are to: (1) increase the number of university researchers in eligible States/Territories capable of performing science and engineering (S&E research responsive to the needs of the DoD; (2) enhance the capabilities of institutions of higher education (IHE) in eligible States/Territories to develop, plan, and execute (S&E) research that is relevant to the mission of the DoD, and competitive under the peer-review systems used for awarding Federal research assistance; and (3) increase the probability of long-term growth in the competitively awarded financial assistance that IHE in eligible States receive from the Federal Government for S&E research. Deadlines: June 24 – White paper; November 25 – Full proposal by invite

CDMRP Hearing Restoration Research Program (HRRP) The HRRP aims to advance the science of hearing restoration by funding groundbreaking research that removes barriers in translation and/or diagnosis. The mechanism for 2024 is Focused Research Award. Deadlines: July 22 – Pre-application; August 9 - Application

USDA-FAS Emerging Markets Program This opportunity is available to U.S. entities to develop, maintain, or expand markets for exports of United States agricultural commodities and to promote cooperation and exchange of information between agricultural institutions and agribusinesses in the United States and emerging markets. Deadline: June 14

USDA-FAS Technical Assistance for Specialty Crops Program This opportunity is available to U.S. entities to provide funding for projects that seek to remove, resolve, or mitigate existing or potential sanitary, phytosanitary, or technical barriers that prohibit or threaten the export of U.S. specialty crops. Deadline: June 14

USDA-FAS Quality Samples Program This opportunity is available to U.S. entities to provide funding for projects that provide commodity samples to potential foreign importers to promote a better understanding and appreciation for the high quality of U.S. agricultural commodities. Deadline: June 14

DOC-NIST Accelerating Federal Technology Transfer (AFTT) The AFTT Program is seeking applications from eligible applicants for activities to help promote, educate, and facilitate federal technology transfer. Under the AFTT Program, members of the Federal Laboratory Consortium's (FLC) Executive Board, including NIST, will collaborate with the awardee on the development of outreach and educational programs, tools, and best practices that will enhance the ability of the academic and private sectors to engage with Federal laboratories in technology transfer and research commercialization. Deadline: May 28

NEH Humanities Collections and Reference Resources This program supports projects that facilitate the discovery and use of humanities collections for research, teaching, and public engagement. Primary activities include digitizing and describing collections, as well as creating reference resources to synthesize humanities information. Deadline: July 16

NEH Digital Projects for the Public This program supports projects that interpret and analyze humanities content in primarily digital platforms and formats, such as websites, mobile applications and tours, interactive touch screens and kiosks, games, and virtual environments. Deadline: June 12

3. **Anticipated Funding Opportunities**

DOE Notice of Intent: Promoting Domestic and International Consensus on Clean Fossil Energy and Carbon Management Technologies

4. **Other:**

NSF Frequently Asked Questions (FAQs) for Sustainable Regional Systems Research Networks (SRS RNs)

NSF has published a new Grants.gov Application Guide and that reflects the recently revised Proposal & Award Policies & Procedures Guide (PAPPG)

Spring 2024 NSF Grants Conference June 3-5; Philadelphia, PA; Registration is now open.