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: ORAU Ralph E. Powe Junior Faculty Enhancement Awards These awards provide seed money for research by junior faculty at Oak Ridge Associated Universities member institutions. These one-year awards are intended to enrich the research and professional growth of young faculty and result in new funding opportunities. Full-time assistant professors at ORAU member institutions within two years of their initial tenure track appointment (Jan. 1, 2022 through Jan. 7, 2024) at the time of application are eligible. The research project must be in one of the following five disciplines: Engineering and Applied Science; Life Sciences; Mathematics/Computer Sciences; Physical Sciences; or Policy, Management, or Education. For this opportunity, Purdue may nominate **two** candidates.

    Internal deadline: Preproposals due in InfoReady by November 6 ([template](#))

    Sponsor deadline: January 8

2. **Selected Funding Opportunities**:

    NSF Cognitive Neuroscience (CogNeuro) The Cognitive Neuroscience (CogNeuro) Program seeks to fund proposals that can advance our understanding of the neural mechanisms underlying human cognition and behavior. Funded proposals typically advance theories in cognitive neuroscience by relating precise and rich quantifications of physiology, cognition and behavior with each other (Intellectual Merit). Funded proposals also typically strengthen the field through, for example, outreach, mentoring the next generation of diverse cognitive neuroscientists and/or increasing awareness and utilization of the research the field produces (Broader Impacts). Deadline: February 1

    NSF Dear Colleague Letter: Capacity Building to Catalyze Collaborations to Address Climate Change Impacts on Human Health (C2H2) This Dear Colleague Letter (DCL) encourages submission of proposals and supplemental funding requests focused on addressing the serious issue of the human health impacts resulting from climate change and downstream impacts from climate mitigation strategies. Tackling climate change-related human health issues has been identified as a priority by the scientific community. Deadline: Varies

    NSF Dear Colleague Letter: Aligning Fundamental Research and Education in Advanced Manufacturing with the Objectives of the Manufacturing USA Institutes This DCL encourages the submission of research and educational proposals that align with the technical focus areas of the Manufacturing USA Institutes to established NSF programs in the Directorates for Engineering (ENG), STEM Education (EDU), and Technology Innovation and Partnerships (TIP). Proposal submissions should detail explicit collaborations with Institutes to facilitate the transition of promising research results and educational programs to them, leverage the programs,

facilities, infrastructure, expertise, and member companies of one or more Institutes, and/or provide experiential learning opportunities for students. Proposal submissions that include internship opportunities for student researchers in the institutes and their member companies are strongly encouraged. Deadline: Varies

[NIH Unveiling Health and Healthcare Disparities in Non-Communicable and Chronic Diseases in Latin America: Setting the Stage for Better Health Outcomes Across the Hemisphere (R01)](#) This Notice of Funding Opportunity (NOFO) will support innovative, collaborative, and interdisciplinary research focused on clinical epidemiology, evaluation of public and/or health care policies, and validation of measurements that address health and healthcare disparities related to non-communicable and chronic diseases (NCDs) with the highest disease burden and mortality in Latin America and among U.S. Hispanics/Latinos. Deadline: March 5

[NIH Leveraging Extant Data to Understand Developmental Trajectories of Late Talking Children (R21)](#) The National Institutes of Health (NIH) Tackling Acquisition of Language in Kids (TALK) initiative seeks to support activities to better understand early language learning and delay. NIH TALK invites applications for research projects that aim to further understanding of the developmental trajectories of late talking children by leveraging existing data and creating open and shared data resources to aid in identifying patterns and predictors of developmental outcomes in late talking children, and exploring potential underlying mechanisms, risk factors, and sequelae. Deadline: February 7

[NIH Translational Research Toward Development of a Kaposi Sarcoma Herpesvirus (KSHV) Vaccine (U01)](#) Through this Notice of Funding Opportunity (NOFO), the National Cancer Institute intends to support basic and translational research that will guide the development of a prophylactic or therapeutic Kaposi sarcoma herpesvirus (KSHV) vaccine. A prophylactic KSHV vaccine could prevent primary KSHV infection, transmission, and subsequent development of KS and other KSHV-associated syndromes such as multicentric Castleman disease (MCD), primary effusion lymphoma (PEL), and KSHV inflammatory cytokine syndrome (KICS), or ameliorate the severity of disease. A therapeutic KSHV vaccine could be helpful in preventing or treating KSHV disease in people already infected with KSHV. Deadline: December 21

[NIH Notice of Special Interest (NOSI): Research Projects to Develop Oncoaging Models for Cancer Research](#) Through this Notice of Special Interest (NOSI), the National Cancer Institute (NCI) invites applications for projects to establish new or to improve existing models that recapitulate cancer development, progression and treatment response in the context of age-related biological changes, and to apply these models in basic and translational cancer research. The "oncoaging" models established through this NOSI are expected to facilitate research into the underlying biology of aging mechanisms which modify cancer susceptibility and progression, and/or alter the trajectory of therapeutic responses. This knowledge is necessary to inform novel cancer therapies for the older population. Responsive projects will be focused on establishing and characterizing cancer models, that consider aging as a risk factor, demonstrating how robustly they recapitulate human biology, assessing their clinical relevance, and validating their utility in mechanistic studies and/or translational research. Deadline: February 5

[DOD-DARPA Intrinsic Cognitive Security (ICS)](#) The ICS program develops computational science to build tactical mixed reality systems that protect against cognitive attack. The core technical hypothesis of the program is that formal methods can be extended with cognitive guarantees and models to protect mixed reality users from cognitive attack. A Proposer's Day will be held on October 20. Deadlines: November 2 – Abstract; December 20 - Proposal

[NASA Topical Workshops, Symposiums, and Conferences (TWSC-24) in Space and Earth Sciences and Technology](#) TWSC welcomes proposals for large and small meetings, retreats, seminars, symposiums, workshops, or other events, including asynchronous and virtual workshops, etc. The purpose of TWSC events may be 1) to disseminate technical information beyond NASA and SMD; or 2) to facilitate research networks and/or research administration capabilities at entities not previously funded by NASA. Deadline: November 30

NASA-ROSES FireSense Implementation Team This program element solicits proposals from individuals to contribute to the previously described FireSense use cases (Pre-fire, Active fire, Post-fire, and Air-quality), and provide limited support for the FireSense implementation areas (Technology Development, Airborne Science and Demonstration, and Information Delivery). Selected principal investigators will become members of the FireSense Implementation (FSI) Team. Deadlines: December 11 – Step 1; January 18 – Step 2

NEH National Digital Newspaper Program This program creates a national digital resource of historically significant newspapers published between 1690 and 1963 from all 56 states and U.S. jurisdictions. The Library of Congress (LOC) maintains this freely accessible, searchable online database. Deadline: January 12

Bill & Melinda Gates Foundation The Gates Foundation and their partners have announced several new Grand Challenge opportunities.
- **Catalyzing Equitable Artificial Intelligence (AI) Use to Improve Global Health**
- **Strengthening Health and Disease Modeling for Public Health Decision Making in Africa**
- **Opportunities to Advance Women's Health Innovation**
- **Strengthening Childcare Models that Advance Women's Economic Power**
- **Strengthening African National Regulatory Agencies Data Systems to Enhance and Track Performance**

3. **Anticipated Funding Opportunities**

NIH Notice of Intent to Publish a Funding Opportunity Announcement for Centers of Excellence for Translational Research (CETR) (U19)

DOE-EERE Notice of Intent to Issue Funding Opportunity Announcement DE-FOA-0003103 "Strategies to Increase Hydropower Flexibility"

4. **Other:**

Medical Technology Enterprise Consortium (MTEC) Proposers Conference for the 2024 Military Prototype Advancement Initiative (MPAI) This Proposers Conference is a virtual webinar that provides potential Offerors the opportunity to interact directly with both MTEC and the Combat Casualty Care Research Program (CCCRP) related to this specific funding opportunity. This Proposers Conference will cover the following Focus Areas of Interest related to Combat Casualty Care. The virtual conference will be held on Friday, October 20 at 2:00PM ET. Registration is required at: https://ati.zoomgov.com/webinar/register/WN_-bHaDK_HQQGlUAsHFb00DQ#/registration.

NIH Request for Information (RFI): National Heart Lung and Blood Institute (NHLBI) Strategic Vision Refresh

NIH Request for Information: Developing Consent Language for Research Using Digital Health Technologies

****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.