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.

    Limited Submission: **[NSF National Artificial Intelligence Research Institutes](#)** This program is a multisector effort led by the National Science Foundation (NSF), in partnership with the Simons Foundation (SF), the National Institute of Standards and Technology (NIST), Department of Defense (DOD) Office of the Under Secretary of Defense for Research and Engineering (OUSD (R&E)), Capital One Financial Corporation (Capital One), and Intel Corporation (Intel). This program solicitation expands the nationwide network of AI Research Institutes with new funding opportunities over the next two years. In this round, the program invites proposals for institutes that have a principal focus in one of the following themes aimed at transformational advances in a range of economic sectors, and science and engineering fields: Group 1 – Theme 1: AI for Astronomical Sciences; Group 2 – Theme 2: AI for Discovery in Materials Research; and Group 2 – Theme 3: Strengthening AI. Only *two* proposals are allowed as lead regardless of Group/Theme.

    Internal deadline: Preproposal due in InfoReady by August 21 ([template](#))

    Sponsor deadlines: October 31 – Preliminary proposal Group 1; February 16 – Proposal Group 1; January 12 – Preliminary proposal Group 2; May 17 – Proposal Group 2

    Limited Submission: **[NSF Research Security and Integrity Information Sharing Analysis Organization (RSI-ISAO)](#)** NSF seeks to establish an independent Research Security and Integrity Information Sharing Analysis Organization (RSI-ISAO) to empower the U.S. research community (institutions of higher education (IHEs), non-profit research institutions, and small and medium-sized for-profit organizations) to address foreign government interference, support security-informed decision-making, and serve as a conduit that connects research community stakeholders with one another and with U.S. government (USG) agencies via NSF. We invite proposals that articulate a vision and actionable plan for the RSI-ISAO that would build the capacity of the research community to make risk-informed decisions and create a trusted partnership between USG research-awarding agencies and the research communities they serve. Only one proposal is allowed as lead.

    Internal deadline: Preproposal due in InfoReady by August 14 ([template](#))

    Sponsor deadlines: September 8 – LOI; October 30 – Full proposal

    Limited Submission: **[W. M. Keck Foundation](#)** The W. M. Keck Foundation's Medical Research Program and Science & Engineering Program seek to support high-risk/high-impact projects in fields of biological science, physical science, and engineering. Eligible projects should meet all the following criteria:
    - Focus on important and emerging areas of research
    - Have potential to develop breakthrough technologies, instrumentation or methodologies
    - Are innovative, distinctive and interdisciplinary

- Demonstrate a high level of risk due to unconventional approaches, or by challenging the prevailing paradigm
- Have the potential for transformative impact, such as the founding of a new field of research, the enabling of observations not previously possible, or the altered perception of a previously intractable problem
- Does not focus on clinical or translational research, treatment trials, or research for the sole purpose of drug development
- Medical projects should be platform-based – not disease specific
- Falls outside the programmatic priorities of public funding agencies (correspondence reflective of such is **required for internal review and by Keck**)
- Demonstrates that Keck is essential to the project's success

Keck does *not* fund: therapy and/or clinically-oriented projects, drug development, diagnostic test development, immunological studies, projects with a specific disease focus (such as cancer, HIV, diabetes, etc.), or translational research. For this opportunity, Purdue is allowed to submit **one** nomination to the Medical Research Program and **one** nomination to the Science and Engineering Program.

Internal Deadline: Preproposal due in InfoReady by August 14 (template)

Sponsor Deadlines: November 1

2. **Selected Funding Opportunities**:

NSF Dynamics of Integrated Socio-Environmental Systems The DISES Program supports research projects that advance basic scientific understanding of integrated socio-environmental systems and the complex interactions (dynamics, processes, and feedbacks) within and among the environmental (biological, physical and chemical) and human ("socio") (economic, social, political, or behavioral) components of such a system. The program seeks proposals that emphasize the truly integrated nature of a socio-environmental system versus two discrete systems (a natural one and a human one) that are coupled. DISES projects must explore a connected and integrated socio-environmental system that includes explicit analysis of the processes and dynamics between the environmental and human components of the system. Deadline: November 17

NSF Condensed Matter and Materials Theory (CMMT) The CMMT program supports fundamental research that advances conceptual understanding of hard and soft materials, and materials-related phenomena; the development of associated analytical, computational, and data-centric techniques; and predictive materials-specific theory, simulation, and modeling for materials research. Areas of recent interest include, but are not limited to: strongly correlated electron systems; topological phases; low-dimensional materials and systems; quantum and classical nonequilibrium phenomena, the latter including pattern formation, materials growth, microstructure evolution, fracture, and the jamming transition; gels; glasses; disordered materials, hard and soft; defects; high-temperature superconductivity; creation and manipulation of coherent quantum states; nanostructured materials and mesoscale phenomena; sustainable materials; polymeric materials and soft condensed matter; active matter and related collective behavior; biologically inspired materials, and research at the interfaces of materials with biological systems. Deadline: On-going

NSF Division of Materials Research: Topical Materials Research Programs (CMR-TMRP) Research supported by the Division of Materials Research (DMR) focuses on advancing the fundamental understanding of materials, materials discovery, design, synthesis, characterization, properties, and materials-related phenomena. DMR awards enable understanding of the electronic, atomic, and molecular structures, mechanisms, and processes that govern nanoscale to macroscale morphology and properties; manipulation and control of these properties; discovery of emerging phenomena of matter and materials; and creation of novel design, synthesis, and processing strategies that lead to new materials with unique characteristics. Deadline: On-going

NIH Secondary Analysis and Integration of Existing Data to Elucidate Cancer Risk and Related Outcomes The goal of this initiative is to address key scientific questions relevant to cancer by supporting the analysis of

existing clinical, environmental, surveillance, health services, vital statistics, behavioral, lifestyle, genomic, and molecular profiles data. Applicants are encouraged to leverage and perform innovative analyses of the existing data. Applications may include new research aims that are being addressed with existing data, new or advanced methods of analyses, or novel combinations and integration of datasets that allow the exploration of important scientific questions in cancer research.

- **R01** Deadline: October 5
- **R21** Deadline: October 16

NIH Addressing HIV in Highest Risk Sexual and Gender Minorities Substance use needs to be better incorporated into interventions for the engagement and retention of sexual minority persons in prevention and care with attention to emergent interventions such as long-acting PrEP. Social determinants of health associated with HIV and problematic substance use such as homelessness and criminal justice involvement also demonstrate disproportionate impact among sexual and gender minorities and need attention. Changing self-definition of sexual minority status has implications for outreach and provider stigma and needs to be better integrated into interventions. This initiative will address these gap areas and support epidemiologic, intervention, and implementation research that incorporates attention to HIV as a syndemic including comorbidities such as STIs, HCV, and psychiatric disorder.

- **R01** Deadline: August 14
- **R21** Deadline: August 14

NIH National Centers for Biomedical Imaging and Bioengineering (NCBIB) (P41) This Notice of Funding Opportunity (NOFO) encourages grant applications for National Centers for Biomedical Imaging and Bioengineering (NCBIB). NCBIB are national resource centers for conducting research and development on new technologies that are driven by the needs of basic, translational, and/or clinical researchers. NCBIB also make their technologies available to other investigators, train members of the research community in the use of the technologies and disseminate the technologies broadly. Deadline: September 25

NIH Notice of Special Interest (NOSI): Accelerating Research in Understudied Skin Types The purpose of this announcement is to notify the research community that the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) is interested in receiving grant applications focused on skin research uncovering the basis for inferior diagnosis, increased prevalence, elevated clinical severity, and altered treatment response in Black Americans and African Americans, Hispanics and Latinos, American Indians and Alaskan Natives, Asians and Asian Americans, and Native Hawaiians and Pacific Islanders with skin diseases. Deadline: October 5

DOD Commercial Technologies for Maintenance Activities V The mission of the CTMA program is to advance the state of maintenance and sustainment to the benefit of the U.S. industry and public and to provide technology development and insertion in support of the availability and sustainment of ships, submarines, aircraft, land vehicles, non-traditional weapons systems and warfighter support systems. Deadlines: August 25 – Stage one; TBD – Stage two

DOD-AFRL BAA Pioneering Aerospace Capabilities, Engineering and Research (PACER) PACER BAA is a Two-Step Open BAA and BAA with Calls which will enable study efforts on novel concepts, as well as research and development efforts to mature specific technologies to appropriate technology readiness levels (TRL) depending on end use. Efforts under this BAA are intended to further AFRL/RQ's mission in pioneering transformative aerospace technologies for the warfighter's decisive advantage. Deadline: Varies by call

USDA-APHIS National Animal Disease Preparedness and Response Program FY 2024 Through the NADPRP program, APHIS provides funds to support high-value projects that will help prevent the introduction and spread of foreign and emerging animal diseases that threaten U.S. agriculture. Each year, APHIS makes funding available to support projects in priority areas of animal disease preparedness and response that are identified through consultation with eligible entities and stakeholders. Deadline: October 20

NEH Fellowships The Fellowships program supports individual scholars pursuing projects that embody exceptional humanistic research, rigorous analysis, and clear writing. Fellowships provide recipients time to conduct research or to produce books, monographs, peer-reviewed articles, e-books, digital materials, translations with annotations or a critical apparatus, or critical editions resulting from previous research. Deadline: April 10

NEH Fellowships for Digital Publication The Fellowships for Digital Publication program supports individual scholars pursuing significant humanities projects that require digital expression and publication. It provides recipients time to conduct research, prepare publications, and develop and incorporate multimedia or interactive components using existing technologies and platforms. Recipients must publish their products in digital form. Deadline: April 17

NEH Research and Development The Research and Development program supports projects that address major challenges in preserving or providing access to humanities collections and resources. Research and Development offers two funding tiers to address projects at all stages of development and implementation. Deadline: May 21

NEH Collaborative Research The Collaborative Research program aims to advance humanistic knowledge by supporting teams of scholars working on a joint endeavor. NEH encourages projects that incorporate multiple points of view, pursue new avenues of inquiry in the humanities, and lead to manuscripts for print publication or to scholarly digital projects. Deadline: November 29

3. **Anticipated Funding Opportunities**

NIH Notice of Intent to Publish a Funding Opportunity Announcement for High-Priority Behavioral and Social Research Networks (R24)

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.