

**\*\*** To receive this newsletter directly to your inbox, please sign up for the listserv by emailing [listserv@lists.purdue.edu](mailto: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. **\*\* Previous newsletters can be accessed at:** <https://www.purdue.edu/research/oevprp/funding-and-grant-writing/funding/emails.php>.

**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>. Please contact Sue Grimes ([sgrimes@purdue.edu](mailto:sgrimes@purdue.edu)) with any questions.

### 1. **Limited Submissions:**

Preproposals should be submitted via Purdue's InfoReady portal (<https://purdue.infoready4.com/>). 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 [OORlimited@purdue.edu](mailto:OORlimited@purdue.edu).

**Internal Coordination Required: [MacArthur Foundation 100&Change](#)** MacArthur is launching its third cycle of 100&Change to help address another of the world's most critical issues. 100&Change is a MacArthur Foundation competition for a \$100 million grant to fund a single proposal that will make measurable progress toward solving a significant problem. 100&Change will select one bold proposal that promises real progress toward solving a critical problem of our time. Proposals focused on any critical issue are welcome: No single field or problem area is designated – proposals from any sector are encouraged; Proposals should articulate both the problem and the proposed solution and *must have a charitable purpose*; and Competitive proposals will be impactful, evidence-based, feasible, durable, and just (see scoring rubric for details). Those interested in submitting should first use the "[Organizational Readiness Tool](#)" to determine if your project is a good fit for this program. **\*\*Per MacArthur, community involvement with global reach is a key feature for successful projects. They also noted a preference for project leads to be community organizations but acknowledged universities as ideal partners.\*\***

*Internal deadline:* Contact Stephanie Merrill, [SJMerrill@purdueforlife.org](mailto:SJMerrill@purdueforlife.org), by June 17 for more information and administrative details

*Sponsor deadlines:* August 15 – Registration; September 5 - Application

**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](mailto:OORlimited@purdue.edu) if interested in participating in any of these NIST opportunities

*Sponsor deadline:* On-going

## 2. Selected Funding Opportunities:

**NSF Cyber-Physical Systems** The CPS program aims to develop the core research needed to engineer these complex CPS, some of which may also require dependable, high-confidence, or provable behaviors. Core research areas of the program include control, data analytics, and machine learning including real-time learning for control, autonomy, design, Internet of Things (IoT), mixed initiatives including human-in- or human-on-the-loop, networking, privacy, real-time systems, safety, security, and verification. By abstracting from the particulars of specific systems and application domains, the CPS program seeks to reveal cross-cutting, fundamental scientific and engineering principles that underpin the integration of cyber and physical elements across all application domains. Deadline: September 3

**NIH Early-Stage Dissemination and Implementation Research in Communication Disorders (R21)** NIDCD invites applications for early-stage dissemination and implementation (D&I) research projects in the NIDCD mission areas of hearing, balance, taste, smell, voice, speech, and language. Deadline: October 11

**NIH Functional Target Validation for Alzheimer's Disease-Related Dementias (R61/R33)** This NOFO invites applications that propose the comprehensive functional validation of newly identified therapeutic target candidates for Alzheimer's Disease-Related Dementias (ADRD). This NOFO seeks to promote critical target validation approaches to help de-risk subsequent translational research and accelerate the advancement of novel therapies for ADRD. Target(s) or molecular pathway(s) to be considered for validation must have been already identified using tissue expression or genetic data generated in human samples. Deadline: November 8

**NIH Establishing a Center for the Advancement of Substance Use Disorder (SUD) Pharmacotherapeutics (U54)**

There is a lack of early translational funding and technical support for new product developers to move beyond the idea stage and into the product development space. Establishing a technical development center (or centers) will assist researchers developing new digital therapeutics for SUD. These centers will provide idea developers with technical development support to prepare the PI for future funding applications (e.g. Phase I SBIR, other NIH research grants, Blueprint Neurotherapeutics or Blueprint MedTech, etc.). The technical development assistance will include support from experts in the idea to product translation activities including the following: target product profile development clinical need assessment project plan development with timeline and milestones prototype development proof-of-concept study design preliminary safety assessments assistance in understanding current and future regulatory requirements. Deadline: November 13

**NIH Mechanistic Investigations into ADRD Associated Protein Structures in Biological Settings (R01)** This Notice of Funding Opportunity (NOFO) supports studies proposing to utilize methodologies for in-cell structural biology to address the mechanistic insights and causal cellular and molecular relationships between molecular pathology and Alzheimer's disease-related dementias (ADRD) clinical phenotypic outcomes. The applications are expected to focus on determining structures of ADRD-linked macromolecular in native (healthy and pathological) settings. Deadline: October 4

**NIH Notice of Special Interest (NOSI): High-Priority Interest to Enhance Data Science Research Training in Addiction Research**

The purpose of this Notice is to highlight NIDA's high-priority interest in receiving applications that will support training and career development in Data Science within the overall field of drug addiction research. Grants supported under this Notice can be from individuals at formative career stages or from established investigators proposing training programs that will support early career scientists. Deadline: October 12

**NIH-NCI Notice of Special Interest (NOSI): Mechanisms Driving Obesity and Prostate Cancer Risk** The purpose of this NOSI is to promote studies examining the mechanisms by which obesity drives aggressive prostate cancer (PCa) risk. About 80% of overall PCa is non-aggressive. The biologic mechanisms driving both overall and aggressive PCa are uncertain. The identification of differences in the mechanisms driving aggressive vs. overall (mostly non-aggressive) disease are critical to optimizing clinical care among men who develop the disease. PCa has an outsized impact on African Americans who are more likely to develop aggressive disease and twice as likely to die from the disease compared to other racial and ethnic groups. Deadline: Varies

**[NIH-NCI Notice of Special Interest \(NOSI\): Conferences and Scientific Meetings in Cancer Biology](#)** The purpose of this Notice of Special Interest (NOSI) is to solicit applications to support innovative conferences, symposia, and workshops that explore basic, fundamental questions in areas of cancer biology supported by the Division of Cancer Biology, National Cancer Institute, and preferably have not yet been a major focus of a scientific meeting. Deadline: December 12

**[DOD-DARPA Enhancing Quantum Sensor Technologies with Rydberg Atoms \(EQSTRA\)](#)** DARPA is soliciting innovative proposals that significantly advance the performance, capabilities and the Technology Readiness Level (TRL) of atomic vapor sensors for electric field sensing, imaging, communications, and quantum information science (QIS). Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, or systems. Focus areas include: Development of atomically-referenced tunable, narrow linewidth sources of terahertz radiation; Development of low-SWaP and integrated Rydberg electrometers; Development of wafer-scale vapor cells for wideband Rydberg electrometry; and Concept and feasibility studies of Rydberg-based quantum technologies. Deadlines: June 18 – Proposal abstract; July 30 - Proposal

**[DOD-CDMRP Lupus Research Program \(LRP\)](#)** The LRP's mission is to fund research to understand, prevent, and diagnose lupus and to improve treatments and quality of life of patients, including Service Members and their Families, Veterans, and the general public. Mechanisms include: Idea Award; Impact Award; Transformative Vision Award; Transformative Vision Development Award. Deadlines: July 17 – Pre-proposal; August 6 - Proposal

**[NASA Innovative Advanced Concepts \(NIAC\) Phase I](#)** Through NIAC's contributions to Space Technology Mission Directorate's (STMD's) sustained, deliberate investment in low TRL technologies, NASA seeks exciting, unexplored, credible aerospace concepts with at least one mission application that addresses NASA goals or offers wider benefits with space or aeronautics applications. NIAC focuses on early studies of visionary aerospace concepts. These aerospace architectures, proposed in the context of a representative mission, will generally advance from Technology Readiness Level (TRL) 1-2 in maturity and are aimed ten or more years in the future. A proposers forum will be held on June 12, 1-3PM ET. Deadline: July 1 – Step A proposal; September 19 – Step B proposal

**[NEH Public Scholars](#)** The program offers grants to individual authors for research, writing, travel, and other activities leading to the creation and publication of well-researched nonfiction books in the humanities written for the broad public. It encourages non-academic writers to deepen their engagement with the humanities by strengthening the research underlying their books, and it encourages academic writers in the humanities to communicate the significance of their research to the broadest possible range of readers. Deadline: August 28

**[NEH Dialogues on the Experience of War](#)** This program supports the study and discussion of important humanities sources about war and military service, in the belief that these sources can help U.S. military veterans and others think deeply and in dialogue about the issues that they raise. Dialogues discussion groups may include exclusively veterans (including a subset of veterans such as students or residents of a group facility); nonveteran students or members of the public; military-affiliated persons; or any mix of these groups. Deadline: September 17

**[The Raymond Corp University Research Program](#)** The Raymond Corporation (a Toyota Industries Company) University Research Program is a sponsored research program created to drive the next generation of technology for the material handling industry. The industry's end-to-end approach to provide complete solutions to customers that are smarter, more efficient and more effective has fueled this program. The mission is to encourage professors and researchers to apply their knowledge of engineering and technical fields, drawing synergies and collaboration between collegiate research and The Raymond Corporation. Deadlines: August 31 – Concept paper; October 31 - Application

[\*Simons Foundation 2024 Pilot Award\*](#) The goal of the Pilot Award is to provide early support for exploratory ideas considered higher risk but with the potential for transformative results, particularly those with novel hypotheses for autism. This funding mechanism is particularly suitable for investigators new to the autism field, though we encourage applicants to consult with experts in autism research to ensure their projects are relevant to the human condition. We encourage applications that propose research to link genetic or other ASD risk factors to molecular, cellular, circuit or behavioral mechanisms and set the stage for development of novel interventions, including work in human subjects. Deadline: June 13

### **3. Anticipated Funding Opportunities**

[\*DOE-NETL Notice of Intent to Issue FOA number DE-FOA-0003383 entitled Fiscal Year 2024 Vehicle Technologies Office Batteries & Electrification FOA\*](#)