** 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.** ***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) 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.

    Internal Coordination Required: DOC-EDA Build to Scale (B2S) EDA invites organizations that support technology- and innovation-centric, high-growth companies (including but not limited to startups) as they develop, demonstrate, and deploy the next generation of critical and emerging technologies to apply for Build to Scale funding. The Build to Scale program aims to: build public and private capacity for entrepreneurs and innovators to invent, improve, and bring to market new products and services in critical, emerging, and transformative sectors and industries; accelerate the growth of regional economies that are focused on industries of the future; empower communities to provide proof-of-concept and commercialization assistance to technology innovators and entrepreneurs; and equitably and inclusively increase access to capital for technology-enabled entrepreneurs. 1:1 matching funds are required.

    Internal deadline: Contact OORLimited@purdue.edu if interested in this program

    Sponsor deadline: October 28

    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 Biomedical Research Initiative for Next-Gen BioTechnologies - SynBio Control (BRING SynBio)](#) The BRING –
SynBio Control solicitation aims to accelerate the translation of novel fundamental synthetic and engineering
biology advances to early-stage biomedical technologies through interagency collaboration. Projects responsive
to the BRING–SynBio solicitation will include a two-phased plan to pursue proof of principle synthetic and
engineering biology research (Phase I) and exploratory research to translate findings toward biomedical
technologies (Phase II). Phase II research should build on the projected outcomes of Phase I. Potential areas of
interest for BRING-SynBio include but are not limited to: Novel design principles for the characterization and
design of new synthetic biology tools and parts; and Regulation and control of biological processes in
cells/tissues. Deadline: December 4

[NSF Ethical and Responsible Research (ER2)](#) The ER2 program supports projects that focus on what constitutes
or promotes responsible and ethical research in science, technology, engineering, and mathematics (STEM)
fields. The ER2 program promotes the development, improvement, and dissemination of responsible and
ethical research practices and aims to build on organizational cultures that value and reward such practices.
Proposers to the ER2 program may examine responsible and ethical research practices across one or more
career stages. Deadline: January 23

[NSF Discovery Research PreK-12 Program Resource Center on Transformative Education Research and
Translation (DRK-12 RC)](#) This solicitation seeks proposals for the Discovery Research PreK-12 program's
Resource Center (DRK-12 RC) on Transformative Education Research and Translation. The DRK-12 RC will be an
intellectual partner as NSF seeks to enhance the overall influence and reach of the DRK-12 Program's research
and development investments. In this partner role, the DRK-12 RC will support and recruit diverse, multi-sector
constituencies with the goal of achieving the field-, knowledge-, and partnership-building aims of the DRK-12
program. Deadline: February 28

[NSF Dear Colleague Letter: NSF and the Romanian Executive Agency for Higher Education, Research,
Development and Innovation Funding (UEFISCDI) Lead Agency Opportunity in the Mathematical and Physical
Sciences](#) The Mathematical & Physical Sciences Directorate (MPS) of NSF and the Romanian Executive Agency
for Higher Education, Research, Development and Innovation Funding (UEFISCDI) are in a partnership to support
international collaboration under the NSF-UEFISCDI Lead Agency Opportunity in Mathematical and Physical
Sciences. The goal of this activity is to promote collaborative research within the mathematical sciences by
reducing barriers to conducting research with international collaborators. Proposals will be accepted for both
interdisciplinary and disciplinary research projects. Deadline: Varies

[NSF Dear Colleague Letter: Research Coordination Network for the National Discovery Cloud for Climate (RCN-
NDCC)](#) NSF's Directorate for Computer and Information Science and Engineering (CISE) announces its interest in
receiving Research Coordination Network (RCN) proposals to establish a coordinating organization for the
National Discovery Cloud for Climate initiative. The National Discovery Cloud for Climate (NDC-C) is an NSF
initiative that will cooperatively advance cyberinfrastructure and climate research through awards that support
collaborations between computer scientists, cyberinfrastructure developers and operators, and climate
researchers from the geosciences, biosciences, engineering, and other disciplines. NDC-C awards cover the full
climate cyberinfrastructure spectrum, including general purpose data management, cataloging, discovery, and
transport infrastructure; extensible platforms that provide end-user environments that integrate computing,
data, and user interfaces for climate scientists and students; and cyberinfrastructure-enabled climate research
that builds on these and other systems. A well-managed RCN can enable these individual awards to achieve a
collective impact that is greater than what they will be able to achieve independently. RCNs are intended to
promote inter-disciplinary research, foster new collaborations, coordinate overlapping efforts for broader
impact such as student outreach and broadening participation in computing, and identify new opportunities for
research and the translation of research to practice. Deadline: December 18

[NIH Exploratory Studies to Investigate Mechanisms of HIV infection, Replication, Latency, and/or Pathogenesis in the Context of Substance Use Disorders (R01)](#) This broad RFA will support exploratory studies addressing mechanistic questions in HIV infection, replication, latency, and/or pathogenesis (including HAND) in the context of SUDs. Deadline: August 14

NIH Basic Research in Cancer Health Disparities This NOFO encourages grant applications from investigators interested in conducting basic, mechanistic research into the biological/genetic causes of cancer health disparities. These research project grants will support innovative studies designed to investigate biological/genetic bases of cancer health disparities, such as (1) mechanistic studies of biological factors associated with cancer health disparities, including those related to basic research in cancer biology or cancer prevention strategies, (2) the development and testing of new methodologies and models, and (3) secondary data analyses. This NOFO is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research who can expand available resources and tools, such as biospecimens, patient derived models, and methods that are necessary to conduct basic research in cancer health disparities.
- [R01](#) Deadline: October 5
- [R21](#) Deadline: October 16

NIH Organs-on-a-Chip in Dental, Oral, and Craniofacial Research (DOC-OoCs) This funding opportunity encourages interdisciplinary research that advances the validation of organ-on-a-chip (OoC) towards disease modeling and pre-clinical efficacy studies in dental, oral, and craniofacial (DOC) research. It is expected that outcomes will advance the use of validated reproducible three-dimensional microfluidic systems into the framework of clinical trials with demonstrated usefulness as new approach methodologies for DOC clinical research.
- [R01](#) Deadline: November 19
- [R21](#) Deadline: November 19

NIH Mechanisms that Impact Cancer Risk after Bariatric Surgery NCI invites applications for support of investigator-initiated studies addressing mechanisms by which bariatric surgery impacts cancer risk and seeks to draw in talented scientists who study bariatric surgery to investigate its effects on cancer, rather than shorter term outcomes such as weight loss and diabetes.
- [R01](#) Deadline: February 5
- [R21](#) Deadline: February 16

[DOD-AFRL Automated Processes for Knowledge Discovery and Information Retrieval](#) The AFRL is seeking innovative research to develop, demonstrate, integrate, test, evaluate, and deliver technologies that process and exploit multi-source, multi-domain classified, open source, non-traditional source data to improve Battlespace Awareness, derive decision quality information, and automate analysis/decision processes. Deadline: On-going but submit by November 30 for FY25 consideration

[DOD-NSWC Naval Engineering Education Consortium (NEEC) Broad Agency Announcement FY2025](#) On behalf of the Naval Sea Systems Command (NAVSEA) Warfare Centers,
NSWC DD is soliciting research of interest in support of the NEEC. Research topics vary by NSWC site. Deadline: October 30

[DOE Energy Storage Pilot Demonstrations](#) This program will fund technology demonstrations for energy storage solutions at the pilot-scale. The program will focus on non-lithium technologies, long-duration (10+ hour discharge) systems, and stationary storage applications. This program seeks to: Advance a diverse set of non-lithium energy storage technologies towards commercial viability and utility-scale deployment; Generate high-quality operational datasets and techno-economic models; and Build investor, utility, and other end user confidence in the real performance and adoptability of the proposed solutions. DOE will consider proposals on electrochemical solutions, mechanical solutions, and/or thermal solutions. Deadlines: October 16 – Concept paper; February 13 – Full application

[DOE-EERE FY24 Scale-Up of Integrated Biorefineries](#) This FOA supports high-impact technology RD&D to accelerate the bioeconomy via the production of low-carbon fuels for the aviation, marine, rail, and heavy-duty industries, and renewable chemical production with dramatically reduced lifecycle greenhouse gas (GHG) emissions compared to the petroleum incumbent. BETO is focused on RD&D to improve the performance and reduce cost of biofuel and renewable chemical production technologies and scale-up production systems in partnership with industry. Topic areas include: Topic Area 1: Pilot Scale-up of Integrated Biorefineries – Phase 1 Preliminary Design and Phased Construction; Topic Area 2: Demonstration Scale-up of Integrated Biorefineries – Phase 1 Preliminary Design and Phased Construction; and Topic Area 3: Scale-up of Organic Chemical Pathways – Phase 1 Preliminary Design and Phased Construction. Deadlines: November 7 – Concept paper; January 16 – Full application

[USDA-NIFA Specialty Crop Research Initiative](#) The purpose of the Specialty Crop Research Initiative (SCRI) program is to address the critical needs of the specialty crop industry by awarding grants to support research and extension that address key challenges of national, regional, and multi-state importance in sustaining all components of food and agriculture, including conventional and organic food production systems. *Cost sharing is required.* Deadline: November 8

[NEH Humanities Research Centers on Artificial Intelligence](#) The purpose of this program is to support the establishment of new collaborative humanities research centers focused on the legal, ethical, or societal implications of developing AI technologies. A Center is a sustained collaboration among multiple scholars focused on exploring the humanities implications of AI through two or more related scholarly activities. Deadline: December 11

[NEH Digital Humanities Advancement Grants](#) The Digital Humanities Advancement Grants program (DHAG) supports work that is innovative, experimental, and contributes to the critical infrastructure that underpins scholarly research, teaching, and public programming in the humanities. Deadline: January 9

3. **Anticipated Funding Opportunities**

[DOE Notice of Intent to Issue Fiscal Year 2025 Solar Module and Solar Hardware (SMASH) Incubator Notice of Funding Opportunity](#)

[DOE Notice of Intent (NOI) to Issue Notice of Funding Opportunity (NOFO) Advanced Hydrogen and Fuel Cell Technologies to Drive National Decarbonization](#)

4. **Other:**

[NSF Dear Colleague Letter: Request for Information on the CHIPS and Science Act Section 10343. Research Ethics](#)

NSF STC Informational Webinar: Solicitation Overview & Leadership Insights Thursday, September 19; 3PM-5PM ET; [Registration Required](#)

Office of Research Workshops: NIH 101 and NIH 102 The Office of Research is pleased to offer two workshops focused on the National Institutes of Health (NIH). These workshops are open to any faculty interested in learning more about NIH and strategies for successful grant writing specific to this agency. Perry Kirkham, Coordinator of NIH Research Development and former NIH program officer, is the presenter for both sessions.
- **NIH 101** will be held on October 1, 1:30-3PM, Stewart Center room 202. This session will provide an overview and an update on the various institutions of the NIH. Knowledge and familiarity with NIH institutes can be a tremendous advantage during the writing, submission and post-review phases of your submission. This session will address the individual institute missions and plans, as well as possible funding mechanisms and how to position yourself for a successful NIH-funding career. Register at: https://purdue.ca1.qualtrics.com/jfe/form/SV_8A091sk3xQaV5Ou.

- **NIH 102** will be held on October 8, 1:30-3PM, Stewart Center room 311. This workshop will provide a follow up to the NIH 101 overview and will address the NIH review process, as well as how to develop a useful submission strategy using publicly accessible NIH award and study section data. Participation in the NIH 101 session is <u>not</u> a requirement for participating in this workshop. Register at: https://purdue.ca1.qualtrics.com/jfe/form/SV_56m97Y68i0rDKrI.

Write Winning Grants Workshop Purdue is pleased to again host Dr. John Robertson of *Grant Writers' Seminars and Workshops, LLC* for this highly acclaimed grant writing program. Emphasis is given to such things as idea development, identification of the most appropriate granting agency, how to write for reviewers, and tips and strategies that are of proven value in presenting an applicant's case to reviewers. The workshop provides intensive grant writing training interspersed with specific details by agency. Participants will also choose one of four workbooks which provide agency specific grant writing tips and suggestions. The choices include: National Institutes of Health, National Science Foundation, U.S. Dept. of Agriculture, or "Any Other Agency", which covers agencies other than those listed. This **full-day workshop is designed for faculty and full-time staff researchers** who have had some exposure to writing grant applications. Lunch will be provided. Registration is required at: https://purdue.ca1.qualtrics.com/jfe/form/SV_8w9awiV2HzdGMQK. **PLEASE NOTE:** We are unable to accommodate students. The Graduate School will sponsor a limited number of Postdocs but individuals must be selected prior to registering. Contact Rachelle Swan (rachelle@purdue.edu).