

Below is this week's list of selected funding opportunities that may be of interest to Purdue faculty. Please review the opportunities and follow the links for additional details, eligibility requirements, and application instructions.

As a reminder, the Purdue Office of the Executive Vice President for Research and Sponsored Program Services (SPS) have launched a [website](#) to provide the most up-to-date information to help ensure compliance by researchers who may have grants impacted by executive orders during this period of transition at the U.S. government and among U.S. federal agencies.

Limited Submissions & Internal Coordination

Limited Submission 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.

DOE – FY 2026 University Nuclear Research Infrastructure Revitalization -via InfoReady

KEYWORDS: Nuclear energy, research infrastructure, advanced reactors, cyber-physical systems, SMRs, workforce development

FUNDING: ~\$6M total | ~1 award (up to \$6M) | **INTERNAL DEADLINE:** April 13 | **SPONSOR DEADLINE:** May 13 | **COST SHARE:** Not required (encouraged) | **LIMITED:** Only one submission is allowed as lead.

DESCRIPTION: DOE seeks a university-led consortium to establish or enhance nuclear research infrastructure at U.S. institutions. The effort should support capabilities in nuclear cyber-physical protection, advanced digital technologies for reactors, and small modular reactor (SMR) development and safety. Projects must demonstrate significant regional or national impact, strengthen academic nuclear R&D capacity, and enable shared-use facilities and equipment across institutions. The program emphasizes collaborative, multi-institutional approaches and does not support construction of new nuclear reactors.

USDA NIFA Smith-Lever Special Needs Competitive Grants Program

KEYWORDS: Extension education, emergency preparedness, disaster response, special needs

FUNDING: \$20K–\$115K | **DUE:** June 1 | **COST SHARE:** 1:1

DESCRIPTION: This USDA program funds cooperative extension projects that address special needs, such as emergency preparedness and response to natural disasters, pest outbreaks or food safety crises. Proposals should enhance the capability of extension services to deliver timely education and resources to communities during crises.

Brain Research Foundation – Scientific Innovations Award (SIA) -via InfoReady

KEYWORDS: Neuroscience, brain function, high-risk research, clinical neuroscience

FUNDING: \$150K (direct costs) over 2 years | **INTERNAL DEADLINE:** April 27 | **SPONSOR DEADLINE:** June 2 (LOI); Sept 22 (by invitation) | **COST SHARE:** No | **LIMITED:** One nominee per institution

DESCRIPTION: The Brain Research Foundation invites institutions to nominate one senior faculty member (Associate or Full Professor) to submit a Letter of Intent for the Scientific Innovations Award. This program supports innovative, high-risk neuroscience research that may be too exploratory for traditional funding but has strong potential for significant impact. Projects should represent new lines of inquiry and are expected to lead to major external funding and high-impact publications.

DOC-NIST CHIPS Research and Development Office Broad Agency Announcement – Internal Coordination Required

DESCRIPTION: NIST is soliciting proposals from eligible applicants for research, prototyping, and commercial solutions that advance microelectronics technology in the U.S., to be considered for funding by the CHIPS Research and Development Office (CRDO). Internal coordination is required. If you plan to submit a white paper for this BAA, you must contact Jessica Lawrence (jlawrenc@purdue.edu).

Selected Funding Opportunities

DARPA – Automated Discovery for Design and Control of Turbulent Systems (AutoDIDACTS)

KEYWORDS: *Aeronautical design, turbulence, artificial intelligence, modeling, and control*

FUNDING: \$1M - \$50M total | **DUE:** May 20; Questions may be submitted until May 15 | **Cost share:** No

Description: The program seeks innovative proposals to develop generalizable models and control principles for turbulent aerodynamic systems. DARPA aims to revolutionize aeronautical design through data-informed, AI-assisted approaches and demonstration flight tests.

American Academy of Pediatrics (AAP) NRP Research Grant & Young Investigator Award Program

KEYWORDS: *Neonatal resuscitation, human factors, education research, young investigator*

FUNDING: \$15K - \$50K | **DUE:** May 1 | **Cost share:** No

Description: The Neonatal Resuscitation Program (NRP) invites proposals that will improve clinical care and education around neonatal resuscitation. Categories include a Research Grant (up to \$50k), Young Investigator Awards (up to \$15k) and Human Factors/Education projects. U.S. and Canadian investigators at academic institutions may apply. Proposed studies should explore topics such as transitional physiology, resuscitation interventions or education, funding is not available for routine NRP courses or simulation equipment.

Team Jack Foundation Brain Tumor Research Grants

KEYWORDS: *Pediatric brain cancer, translational research*

FUNDING: Varies by project size and complexity; multi-year awards possible | **DUE:** April 30 (LOI); September 30 (by invitation) | **COST SHARE:** No

DESCRIPTION: The Team Jack Foundation funds research aimed at understanding and treating pediatric brain tumors. Investigators worldwide may submit a brief Letter of Intent outlining project aims, significance, duration, and budget. After review, selected applicants are invited to submit a full proposal. The foundation encourages basic and translational projects that address the biology of childhood brain tumors and potential treatments.

Lilly & Blair Foundation – Research Grants (Rapid Response & Strategic)

KEYWORDS: *Neuroscience, rare disease, gene therapy, SPG4, translational research, drug development*

FUNDING: Rapid Response: up to \$25K (rolling) | Strategic: up to \$75K/year for 1–2 years | **DUE:** May 1 (Strategic); Rolling (Rapid Response) | **COST SHARE:** No

DESCRIPTION: Supports research advancing therapeutics for childhood-onset de novo SPG4 through two mechanisms: Rapid Response Grants for urgent or time-sensitive needs and Strategic Research Grants for larger projects accelerating clinical translation. Priority areas include gene therapy, antisense oligonucleotides (ASOs), drug repurposing, preclinical safety/efficacy studies, and clinical trial-enabling activities such as biomarker development and disease models.

Target ALS - In Vivo Target Validation Grant

KEYWORDS: *Amyotrophic lateral sclerosis (ALS), preclinical testing, mouse model, in-kind support*

FUNDING: In-kind (Target ALS covers costs of in vivo proof-of-concept testing) | **DUE:** April 20 | **COST SHARE:** No

DESCRIPTION: This program provides in-kind preclinical testing of promising ALS therapeutics using Target ALS's TDP-43 mouse model. Investigators supply the candidate small-molecule, biologic, gene therapy, or antisense oligonucleotide, along with safety and brain penetrance data. Target ALS funds all experimental costs at Biospective (up to 45 mice) and offers multiple dosing regimens and endpoints. Prior Target ALS funding is not required. The opportunity accelerates translational research by providing high-quality efficacy data without awarding direct funding to the investigator.

The Obesity Society- Early-Career Research Grant

KEYWORDS: *Obesity research, early-career investigators, basic and clinical research*

FUNDING: Up to \$25K | **DUE:** May 1-June 1 (LOI's accepted); July (full) | **COST SHARE:** No

Description: The Obesity Society (TOS) offers an Early-Career Research Grant to foster novel ideas in obesity research. Two grants are awarded each year—one in basic science and one in clinical research—each providing up to \$25k. Applicants must be TOS members in good standing and early-career investigators (postdoctoral fellows, instructors or assistant professors) who hold a PhD/DSc, DVM, MD or DO and have not yet received an NIH career-development (K) or R-series award. Postdoctoral and instructor applicants must include a mentor; assistant professors may apply without a mentor.

ANTICIPATED & ADVANCED NOTICE

ARVO Foundation for Eye Research- Research Catalyst Award

KEYWORDS: *Vision research, early-career investigator, return-to-work researchers, seed funding*

FUNDING: \$70K | **ANTICIPATED TO POST:** Aug 1 | **DUE:** October 1 | **Cost share:** No

DESCRIPTION: The ARVO Foundation Research Catalyst Award provides a \$70k grant to an investigator beginning a career in eye and vision research or returning to the workforce after an extended leave.

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) or Kristi Reynolds (reyno240@purdue.edu) with any questions.

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