Oportunidades
de Fondos Externos
Vicepresidencia de Recursos Externos
ACADEMIC YEAR 2025-26 / VOLUME I
Universidad de Puerto Rico
LA MEJOR EDUCACIÓN A TU ALCANCE
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UPR external funding success is of utmost importance to strengthen the connection between its investigators/faculty and funding entities who have the potential to sponsor their research and academic endeavors. This publication has been developed in order to summarize funding opportunities and promote the participation of faculty and collaborative research groups in their intent to apply for external funds. Such efforts are aligned with the UPR Strategic Plan 2017-2022: A New Era of Innovation and Transformation for Student Success; Certification 50 (2016-2017) of the Governing Board, December 19, 2016. Strategic Area: Research and Creative Work. Goal 2: Increase Applications for and awards of external funds for research and creative work.

SELECTED FUNDING OPPORTUNITIES

This is a selection of identified funding opportunities for the period ending 8/12/2025 and is in no way all-inclusive of funding opportunities available. Further information has been shared with External Resource Coordinators and Research Coordinators at each UPR campus.

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Important Information

Some programs are currently under review or not accepting proposals. Before beginning your application, please contact the Program Officer or the designated point of contact for guidance.

1. Addressing Domestic Violence, Dating Violence, Sexual Assault, and Stalking at HSIs, HBCUs, and TCUs Initiative, OVW / Dept. of Justice

Application Deadlines: September 9, 2025
Anticipated Funding Amount: up to $500,000 for a period of 48 months

This program is authorized by 34 U.S.C. § 20125. This initiative was developed to meet the statutory requirements in 34 U.S.C. § 20125(a)(2)(C) and 34 U.S.C. § 20125(e).

Funds under this initiative must be used for one or more of the following purposes:

1. To provide personnel, training, technical assistance, data collection, and other equipment with respect to the increased apprehension, investigation, and adjudication of persons committing domestic violence, dating violence, sexual assault, and stalking on campus.

2. To develop, strengthen, and implement campus policies, protocols, and services that more effectively identify and respond to the crimes of domestic violence, dating violence, sexual assault, and stalking, including the use of technology to commit these crimes, and to train campus administrators, campus security personnel, and all participants in the resolution process, including personnel from the Title IX coordinator's office, student conduct office, and campus disciplinary or judicial boards on such policies, protocols, and services that promote a prompt, fair, and impartial investigation.

3. To provide prevention and education programming about domestic violence, dating violence, sexual assault, and stalking, including technological abuse and reproductive and sexual coercion, that is age-appropriate, culturally relevant, ongoing, delivered in multiple venues on campus, accessible, promotes respectful nonviolent behavior as a social norm, and engages men and boys. Such programming should be developed in partnership or collaboratively with experts in intimate partner and sexual violence prevention and intervention.

4. To develop, enlarge, or strengthen victim services programs and population specific services on the campuses of the institutions involved, including programs providing legal, medical, or psychological counseling, for victims of domestic violence, dating violence, sexual assault, and stalking, and to improve delivery of victim assistance on campus. To the extent practicable, such an institution shall collaborate with any victim service providers in the community in which the institution is located. If appropriate victim services programs are not available in the community or are not accessible to students, the institution shall, to the extent practicable, provide a victim services program on campus or create a victim services program in collaboration with a community-based organization. The institution shall use not less than 20 percent of the funds made available through the grant for a victim services program provided in accordance with this paragraph, regardless of whether the services are provided by the institution or in coordination with community victim service providers.

5. To create, disseminate, or otherwise provide assistance and information about victims' options on and off campus to bring disciplinary or other legal action, including assistance to victims in immigration matters.

6. To develop, install, or expand data collection and communication systems, including computerized systems, linking campus security to the local law enforcement for the purpose of identifying and tracking arrests, protection orders, violations of protection orders, prosecutions, and convictions with respect to the crimes of

domestic violence, dating violence, sexual assault, and stalking on campus.

7. To provide capital improvements (including improved lighting and communications facilities but not including the construction of buildings) on campuses to address the crimes of domestic violence, dating violence, sexual assault, and stalking.

8. To support improved coordination among campus administrators, campus security personnel, and local law enforcement to reduce domestic violence, dating violence, sexual assault, and stalking on campus.

9. To develop or adapt, provide, and disseminate developmental, culturally appropriate, and linguistically accessible print or electronic materials to address both prevention and intervention in domestic violence, dating violence, sexual violence, and stalking.

10. To develop or adapt and disseminate population-specific strategies and projects for victims of domestic violence, dating violence, sexual assault, and stalking from underserved populations on campus.

11. To train campus health centers and appropriate campus faculty, such as academic advisors or professionals who deal with students on a daily basis, on how to recognize and respond to domestic violence, dating violence, sexual assault, and stalking, including training health providers on how to provide universal education to all members of the campus community on the impacts of violence on health and unhealthy relationships and how providers can support ongoing outreach efforts.

12. To train campus personnel in how to use a victim-centered, trauma-informed interview technique, which means asking questions of a student or a campus employee who is reported to be a victim of sexual assault, domestic violence, dating violence, or stalking, in a manner that is focused on the experience of the reported victim, that does not judge or blame the reported victim for the alleged crime, and that is informed by evidence-based research on trauma response. To the extent practicable, campus personnel shall allow the reported victim to participate in a recorded interview and to receive a copy of the recorded interview.

13. To develop and implement restorative practices (as defined in the Violence Against Women Act (34 U.S.C. § 12291(a)(31))).

Priorities

Applications that fare well in merit review and substantively address one or more of the priorities listed below, to the extent consistent with the program's authorizing statute, may receive priority consideration for funding:

1. Measures to combat human trafficking and transnational crime, particularly crimes linked to illegal immigration and cartel operations, that support safety and justice for trafficking victims who have also suffered domestic violence, sexual assault, dating violence, and/or stalking.

2. Projects to provide victim services, especially housing, and improve law enforcement response in rural and remote areas, Tribal nations, and small towns that often lack resources to effectively combat domestic violence and sexual assault.

Link to Additional Information: https://www.grants.gov/search-results-detail/360060

2. Public Humanities Projects, NEH

Application Deadlines: September 10, 2025
Award Information:

- **Planning:** up to $75,000 for up to 24 months
- **Implementation:** up to $750,000 for 12 to 48 months

This program supports projects that bring the ideas and insights of the humanities to general audiences through in-person exhibitions and historic site interpretations. Projects must engage humanities scholarships to analyze significant themes in disciplines such as history, literature, ethics, and art history. The program supports projects in two categories: exhibitions, and interpretive programs at Historic Places, at two funding levels (Planning and Implementation).

Public Humanities Projects target broad and diverse public audiences outside of classroom settings in the United States. NEH encourages projects with multiple formats and complementary components. For example, a museum exhibition might be accompanied by a website or mobile app.

NEH also encourages applications from small and mid-sized organizations. NEH likewise welcomes humanities projects tailored to specific groups, such as families, youth (including K12 students in informal educational settings), and veterans. Locally focused projects should draw connections to broad themes or historical questions relevant to regional or national audiences.

Program Categories

This program supports projects in two categories:

- **Exhibitions:** projects in this category may create permanent exhibitions (on view for at least three years), single-site temporary exhibitions (open to the public for a minimum of two months) or traveling exhibitions that will be available to public audiences in at least two venues in the United States (including the originating location). You must provide at least twenty hours of free admission to the general public each month that NEH-supported exhibitions and programs are offered during the period of performance.

- **Historic Places:** projects in this category develop long-term interpretive programs for historic sites, houses, neighborhoods, and regions that are intended to be presented to the public for at least three years. Such projects might include living history presentations, guided tours, exhibitions, and public programs.

Funding Levels

This program supports projects at two funding levels:

- **Planning:** intended to help you further explore and develop the analytical themes or interpretive methods that you identify in your proposal. Project activities may include: refining the project's content, format, and interpretive approach; meetings and consultation with scholars, interpretive experts, designers, stakeholders, and key partners; developing the project's preliminary design; testing project components; conducting an evaluation of the project's likely impact; and travel related to curatorial research and exhibition loans. By the time you are done with the planning process, you should have most of the needed elements to apply for an implementation award.

- **Implementation:** support projects that are in the final stages of preparation to "go live" before the public. Activities may include final scholarly research and consultation, design, production, and installation of a

project for presentation to the public. The period of performance must include the required minimum exhibition time. The amount of funding that your organization can apply for is dependent on the type of project and your average annual operating costs for the three most recent fiscal years. If required to file, 501(c)(3) nonprofit organizations should refer to their 2023 Form 990 (Return of Organization Exempt from Income Tax), part one, line 18.

- **Level I:** Organizations with an annual operating budget of less than $1,000,000 may request up to $250,000.
- **Level II:** Organizations with an annual operating budget of between $1,000,000 and $10,000,000 may request up to $500,000.
- **Level III:** Organizations with an annual operating budget greater than $10,000,000 may request up to $750,000

Program Outputs and Outcomes

The outcome of a successful Public Humanities Project will be the engagement of general audiences with ideas from humanities scholarship through in-person exhibitions and historic site interpretations.

The outputs of a successful **Exhibitions** award may include, but are not limited to:

- Planning documents that will allow for an in-person exhibition (permanent or temporary single site and/or traveling) to move forward
- Implementation of in-person exhibitions (permanent or temporary single site and/or traveling), which may be accompanied by ancillary formats such as a website, mobile application, catalog, or student curriculum

The outputs of a successful **Historic Places** award may include, but are not limited to:

- Planning documents that will allow for the creation of interpretive programming
- Long-term (three years or longer) interpretive programs for historic sites, houses, neighborhoods, and regions such as living history presentations, guided tours, exhibitions, and public programs

Link to Additional Information: https://www.neh.gov/grants/public/public-humanities-projects

3. PFE: Research Initiation in Engineering Formation (PFE: RIEF), NSF

Application Deadline: November 12, 2025
Award Information: Estimated program budget, number of awards and average award size/duration are subject to the availability of funds.

Engineering faculty have deep understanding of their technical fields and the primary responsibility for educating future engineers. Engineering faculty have used novel classroom techniques or developed programs to enhance the education of their students, develop interest in engineering at the K12 level, and inform the public. Many of these faculty are interested in gathering evidence for the effectiveness of these practices or understanding the factors that affect their students' learning. The Professional Formation of Engineers: Research Initiation in Engineering Formation (PFE: RIEF) program is designed to provide these faculty with the opportunity to conduct this research while at the same time being mentored on social science research approaches. The intent is that by completing a PFE: RIEF project, engineering faculty will be prepared to take a stronger leadership role in research on the professional formation of engineers, thus expanding the community of engineering education researchers. An award

under PFE: RIEF is one possible pathway toward securing research funding from the RFE program.

The Professional Formation of Engineers: Research Initiation in Engineering Formation (PFE: RIEF) solicitation is a funding opportunity in the Engineering Directorate's (ENG) multi-year initiative, the Professional Formation of Engineers, established to create and support an innovative and inclusive engineering profession for the 21st Century.

Professional Formation of Engineers (PFE) refers to the formal and informal processes and value systems through which people become engineers. It also includes the ethical responsibility of practicing engineers to sustain and grow the profession in order to improve quality of life for all peoples. Processes of formation are holistic, carefully attending to how knowledge and identity interrelate in the larger context of one's career and life.

Professional Formation includes, but is not limited, to:

- Introductions to the profession at any age.
- Acquisition of deep technical and professional skills, knowledge, and abilities in both formal and informal settings/domains.
- Development of outlooks, perspectives, ways of thinking, knowing, and doing.
- Development of identity as an engineer and its intersection with other identities.
- Acculturation to the profession, its standards, and norms.

Research is welcome that considers the construction of engineering knowledge, engineering identity, and the engineering profession, as well as interventions that expand the boundaries of each of these.

Professional formation occurs within a complex system that includes formal classrooms; informal settings such as maker spaces (hands-on, do-it-yourself environments where community members gather to create, invent, and learn); co-curricular activities; industry experiences (including co-ops and internships); community-based learning experiences; as well as early career (co-op or internship) work, research experiences, mentor/mentee, and sponsor/sponsoree relationships, etc. To facilitate such activities, engineers must understand and navigate this complex system for successful professional formation and practice. They must oversee and participate in developing and maintaining this system, with smooth and clear pathways to and through the profession. Pathways may include, but are not limited to, formal and informal education, apprenticeship, credentialing, and licensure.

Program Description

A wide range of research topics related to the Professional Formation of Engineers can be addressed in PFE: RIEF proposals; the emphasis of PFE: RIEF is on initiating research projects in professional formation of engineers rather than supporting research on any specific topic. PFE: RIEF projects should combine engineering approaches with those from learning and cognitive sciences, engineering education, social sciences, and related fields in synergistic ways and enable engineering faculty to develop expertise in engineering education research.

PFE: RIEF awards are intended to expand the community of engineering faculty conducting research related to professional formation of engineers. Possible outcomes commensurate with the goals of this program are:

- Support engineering faculty in developing expertise in professional formation of engineers.
- Increase the number of faculty and universities who will initiate projects and programs in research on professional formation of engineers.

The intent of the PFE: RIEF program is to expand the community of engineering faculty conducting research related to engineering formation rather than to create an additional funding channel for researchers with social science

expertise.

Link to Additional Information: https://www.nsf.gov/funding/opportunities/pfe-rief-pfe-research-initiation-engineering-formation

4. National Science Foundation Translation to Practice (NSF TTP), NSF

Application Deadline: September 16, 2025
Anticipated Funding Amount:

- **NSF TTP-E:** approximately $600,000 per award for up to 24 months
- **NSF TTP-T:** up to $1,200,000 per award for up to 36 months
- **NSF TTP-P:** up to $2,000,000 per award for up to 48 months

The U.S. NSF Directorate for Technology, Innovation and Partnerships (NSF TIP) partners across sectors to advance three primary focus areas – accelerating technology translation and development, fostering regional innovation and economic growth, and preparing the American workforce for future high-wage jobs in STEM fields.

The translation of research to practice ensures that the insights and innovations developed through scientific study and experimentation have tangible, positive impacts on society. These impacts include improving the quality of life, promoting economic and job growth, ensuring national security, and maintaining global competitiveness. Indeed, scientific and engineering breakthroughs have the potential to address critical societal challenges in industries such as aerospace, agriculture, communications, education, energy, healthcare, national security, and transportation – but the translation of discoveries and innovations from the laboratory to society often take many forms including non-linear pathways.

In short, the NSF TTP program seeks to:

- Identify and support the initiation of use-inspired research and initial translational activities enabling a continuum from foundational research to practice.
- Develop partnerships and collaborations that include traditional (academic) and non-traditional entities. These sustainable partnerships will accelerate the transfer of technology by ensuring needs and opportunities are appropriately addressed.
- Promote and advance the education and training of students and postdoctoral researchers, avoiding undue geographic concentration of funding and encouraging the participation of all Americans.
- For the NSF TTP-T and NSF TTP-P tracks: Identify future customer needs and opportunities through NSF I-Corps training.

Program Description

This NSF TTP funding opportunity constitutes an investment in three different proposal tracks that aim to advance a vision of use-inspired research and initial translational activities. Researchers are welcome to join the pathways at the stage best fitting the maturity of the particular technology:

- **NSF TTP-Explore (NSF TTP-E)** is designed to encourage current, eligible NSF awardees to intentionally pursue applications of their research with the potential for societal impact. NSF TTP-E focuses on the support of adventurous, "high-risk" activities that bridge the gap between foundational scientific curiosity and a practical desire to address real-world problems. NSF TTP-E can be used for a large number of activities including but not limited to: initiation of interdisciplinary collaborations among scientists and engineers to bring together critical perspectives for solution development; engagement of the community in open-source products design and implementation; support of student internships and other collaborations

with industry; and/or the acceleration and maturation of research technology readiness levels (TRL). In order to demonstrate real-world utilization, NSF-Catalyzed Partnerships with other academic institutions, non-profits, international organizations, government laboratories, small businesses, industry, etc. are encouraged but are not required.

- **NSF TTP-Translate (NSF TTP-T)** is focused on translating research results into technological innovations with promising commercial, economic, and/or other impacts. Whereas TTP-E is an extension of an existing NSF award, NSF TTP-T is a new award that aims to intentionally pursue the practical impact of the original research. TTP-T does not require previous NSF funding but begins with use-inspired research and initial translational activities and further matures the ideas, iterating and improving the solutions, ensuring scalability and accessibility, and lowering the barriers to effective translation. NSF TTP-T can be used to initiate a number of activities including, but not limited to: designing and iteratively testing prototypes; optimizing industrial processes for less resource consumption; completing activities to support patent applications that will protect intellectual property for future licensing and startup formation; engaging the community in open-source products design and implementation; working to develop and integrate acceptable standards for community benefit. In order to demonstrate real-world utilization, NSF-Catalyzed Partnerships with other academic institutions, non-profits, international organizations, government laboratories, small businesses, industry, etc. are encouraged, but are not required.

- **NSF TTP-Partner (NSF TTP-P)** supports translational efforts that demand one or more partnerships for technology development and deployment. Here, strategic partnerships with stakeholders beyond U.S. institutions of higher education are essential ingredients for success and may include industry partners, government entities at all levels, philanthropies, international organizations, or other groups associated with large scale productization and distribution. Example NSF TTP-P activities include but are not limited to: collaborations associated with scaling and mass production of products to ensure interoperability and wide integration; the development of standards contributing to the global growth of the next generation market; and/or the large-scale advanced manufacturing and assembly of parts for commercial applications. Another highly successful outcome of the NSF TTP-P track is the formation of startups and/or small businesses.

While PIs are encouraged (NSF TTP-E and NSF TTP-T) or required (NSF TTP-P) to engage strategic partners as part of NSF-Catalyzed Partnerships, NSF also seeks to engage in NSF-Direct Partnerships with other co-funders from industry, philanthropies, other U.S. government agencies, international organizations, etc., at the programmatic level in order to promote the translation of research from the laboratory to practice. It is critical that PIs review the TTP-related Dear Colleague Letters (DCLs) and/or the NSF TTP program page as submission to the program is taken as explicit acceptance that their proposals may be shared with announced NSF-Direct Partners, and that awards may have specific Terms and Conditions related to these partnerships.

Link to Additional Information: https://www.nsf.gov/funding/opportunities/nsf-ttp-national-science-foundation-translation-practice/nsf25-540/solicitation

5. Humanities Research Centers on Artificial Intelligence, NEH

Application Deadlines: October 1, 2025
Award Amount: up to $750,000 ($500,000 in outright funds plus $250,000 in Federal Matching Funds) for up to 36 months

The Humanities Research Centers on Artificial Intelligence program will create new centers of scholarly discourse and learning, each one a nexus for collaborative efforts that reach across disciplinary lines to gain a more holistic understanding of AI in the modern world and especially its implications for the United States. The program must propose to create a center with a specific research focus related to the social and cultural aspects of AI and how such

knowledge can improve and advance our nation's leadership position in AI. A center is a sustained collaboration among multiple scholars focused on exploring the humanities implications of AI through two or more related scholarly activities. Competitive centers typically identify a specific topical, methodological, or disciplinary lens through which to study AI and its societal implications. NEH is particularly interested in projects that explore the ramifications of AI for the nation, including its economic competitiveness and national security as well as civil rights, civil liberties, privacy, and human flourishing. Centers should aim to advance humanities research on their chosen topic beyond the grant period.

In addition to establishing the center, your project should engage in at least two activities that support research into the social and cultural aspects of AI. Appropriate activities may include, but are not limited to, collaborative research and writing efforts; education and training; convenings, such as conferences, symposia, and workshops; lecture series; and the creation of digital tools to increase or advance scholarly discourse about AI.

A center may or may not have a physical location, but as part of your project you must establish a leadership structure, develop a mission statement, and create a strategy to sustain the center beyond the period of performance. Existing AI research centers are not eligible in this competition. Applicants may propose a new center that is part of a broader existing humanities or ethics center. NEH welcomes international collaboration, but scholars at U.S. institutions must oversee and set the agenda for the center.

Program Outputs and Outcomes

You must propose outputs (deliverables) that contribute to the creation and long-term development and sustainability of your Humanities Research Center, as well as its research profile. All project outcomes and outputs must address the center's chosen thematic focus and convey interpretive humanities work.

Your project must result in a leadership structure, a mission statement, and an institutional plan for long-term sustainability by the end of the first year of the period of performance. Activities related to this institutional planning should appear in your work plan. In addition to establishing your center, you must produce at least two deliverables during the grant period. Additional deliverables may include, but are not limited to:

- a lecture series, workshops, colloquia, summer institutes, or similar convenings
- digital infrastructure for enabling multi-disciplinary or multi-institutional research about the humanistic implications of AI
- curriculum development or training courses for AI literacy in the humanities
- multi-authored books, peer-reviewed articles in academic journals, educational materials, or articles for the general public

Possible outcomes of a successful Humanities Research Centers on Artificial Intelligence award may include, but are not limited to:

- enhanced research capacity of the host institution
- new research collaborations
- increased understanding of AI as a result of training and educational efforts
- new partnerships with industry, government, and international institutions
- publications, reports, and presentations generating new knowledge or informing decision making.

Link to Additional Information: https://www.neh.gov/program/humanities-research-centers-artificial-intelligence

6. Science, Technology, Engineering and Mathematic (STEM) Education and Workforce Program, Office of Naval Research (ONR)

Application Submission Window: from July 7, 2025, to June 30, 2026
Anticipated Funding Awards: budgets are not limited but need to reflect the actual needs of the proposed project

This NOFO is for STEM education programs and activities, which is formal or informal education that is primarily focused on physical and natural sciences, technology, engineering, social sciences, and mathematics disciplines, topics, or issues (including environmental science education or stewardship). STEM education programs and activities that could be supported by this NOFO include one or more of the following as the primary objective:

- Develop learners' knowledge, skill, or interest in STEM.
- Attract students to pursue certifications, licenses, or degrees (two-year degrees through post- doctoral degrees) or careers in STEM fields.
- Provide growth and research opportunities for post-secondary, college and graduate students in STEM fields, such as working with researchers or conducting research that is primarily intended to further education.
- Improve mentor/educator (K-12 pre-service or in-service, post-secondary, and informal) quality in STEM areas.
- Improve or expand the capacity of institutions to promote or foster STEM fields.

Link to Additional Information: https://www.onr.navy.mil/work-with-us/funding-opportunities/fy25-office-naval-research-onr-science-technology-engineering

7. Sony Research Award Program, SONY

Application Submission Window: July 15 to September 15, 2025
Award Budget:

- **Focused Research Award:** up to $150,000 for one year, with a possible extension
- **Faculty Innovation Award:** up to $100,000 for one year, with a possible extension

As part of one of the world's most innovative and recognizable brands, we are committed to support university research and innovation in the U.S., Canada, India, and select European countries, while also fostering partnerships with university faculty and researchers. The Sony Research Award Program provides funding for cutting-edge academic research and helps build a collaborative relationship between faculty and Sony researchers.

- **Focused Research Award**

  Solid research is the underlying driving force to crystallize fearless creativity and innovation. While we are committed to run in-house research and engineering, we are also excited to collaborate with academic partners to facilitate exploration of new and promising research. The Sony Focused Research Award provides an opportunity for university faculty, research institutes, and Sony to conduct this type of collaborative, focused research. A list of candidate research topics appears below.

  1. **Visual Chain-of-Thought and Simplified Responses Using Visual Elements** – seeks the development of innovative analytical methods such as, but not limited to: Utilizing Visual Chain-of-Thought and External Knowledge/Tools, and VLM Outputting Responses Incorporating Visual Information

  2. **Multimodal Retrieval-Augmented Generation for Creative Assistance** – Novel technologies for creative assistance, including but not limited to the following: Multimodal-LLMs and multimodal reasoning for creative assistance; Multimodal embedding for better RAG; Generative retrieval for RAG in multiple modalities; Efficient and scalable approaches to RAG; and New benchmarks and evaluation

methods for multimodal RAG.

3. **Next-Gen Communication Paradigms: Semantic and Task/Goal-oriented Communication** – Topics of interest include, but are not limited to the following: Investigate and establish a comprehensive theoretical framework for semantic and task/goal-oriented communication; Explore and design core algorithms for semantic and goal-oriented encoding, decoding, and inference; Define system-level models that bridge theory and application; Develop and validate proof-of-concept (PoC) systems; and Conduct experimental studies and simulations to evaluate performance, robustness, and scalability of proposed models and algorithms for meaningful and goal-driven communication.

4. **Physics-based Robotics Simulation** – Innovative simulation technologies for robotics may include but are not limited to: A fast, accurate, large-scale, and complex objects simulation; and Technologies that enhance a loop between real and virtual worlds.

5. **Incorporating New Optical Functions to High-peak-power Solid-state Surface Emitting Laser** – seek novel technologies to enable our high-peak-power solid-state surface-emitting lasers to evolve further in various areas.

6. **Innovative Visual Technology powered by AI** – seeks for innovative research in image/video processing based on machine learning to significantly improve existing image/video processing techniques and applications in 3D/4D as well as 2D.

7. **AI-based Digital Human Content Creation** – seeks for innovative research in data-driven novel (imaginary but photo-realistic and believable) digital human or character creation techniques based on AI and machine learning.

8. **Understanding Gameplay and Game Scenes through Multimodal LLMs** – seeks research proposals leveraging recent advances in foundation models (LLMs, VLMs, multimodal AI) to analyze and enhance player experience, performance, and agent behavior in video games. Two thematic tracks: Gameplay and Game Scene Understanding from Gameplay Footage, and Rewards for Gameplay.

9. **Encoding and Protocols for Distributed Computing** – the goal is to explore novel technologies and protocols in network interconnects, accelerators, neural encoding, data center design, and GPU-to-GPU communication. We are particularly interested in how they could impact the quality of a game being streamed from a data center to a consumer.

10. **Design and Evaluation of an Intermediate Interaction Layer for Integrating Diverse Input/Output Environments** – seeks proposals for research on high-level abstraction, automatic transformation, and adaptive control technologies that enable seamless interaction, expression, and shared experience across diverse environments, users, and devices.

11. **Flexible Structural Mechanisms Enabling Dynamic Motion Entertainment** – seeks proposals that will enable it to realize a small robot mimicking vertebrates, including humans, with a body length of approximately 30 cm.

- **Faculty Innovation Award**

Global research and development at Sony enables us to foster innovative ideas, which could ultimately lead to future technology advancements and company growth. In order to speed up and expand the creation of new ideas, SONY would like to partner with universities and research institutes. This partnership will help

cultivate advanced concepts and fertilize our own research and development.

1. Information Technology
    a. Audio, Music, Speech, and Language Processing
    b. Computer Vision
    c. Machine Learning
    d. Cloud Edge System
    e. Data Science
    f. RF Sensing
    g. Communication
    h. Human Sensing and Interaction
    i. Robotics
    j. Human-AI Interaction
    k. Life Sciences
    l. Security
    m. Linux System
    n. Software Development Technology

2. Entertainment Technology
    a. Affective Computing
    b. Computer Vision
    c. Machine Learning
    d. Robotics
    e. Audio, Music, Speech, and Language Processing
    f. Location Based Entertainment
    g. Visual/Visualization

3. Device Technology
    a. Computer Vision
    b. Micro LED Device (under 1μm Aperture)
    c. Optical Metasurface/DOE
    d. RF Sensing
    e. Silicon Photonics

Link to Additional Information: https://www.sony.com/en/SonyInfo/research-award-program/#SubmissionGuidelines

8. Computer and Information Science and Engineering: Future Computing Research (Future CoRe), NSF

Application Deadline: September 11, 2025
Award Budget: approximately $150,000 to $250,000 per year for a duration of three to four years

The NSF Directorate for Computer and Information Science and Engineering (CISE) supports transformative research and education projects that develop new knowledge in all aspects of computing, communications, and information science and engineering through multiple research programs. These programs support research and education activities that advance:

- mathematical, scientific and technological foundations of computing communication, hardware, software and emerging technologies

- understanding and development of computer and network systems, cyber-physical systems, and cybersecurity as well as their roles in solving complex scientific, engineering, and societal problems
- understanding of the inter-related roles of people, computers, and information

Program Description

This solicitation covers submission to the following Future CoRe programs. Research that fits within a single program and interdisciplinary research that spans more than one of these programs are welcome.

Please see the individual program webpages below for more information on what is within scope for these Future CoRe programs:

- **Algorithmic Foundations (AF):** supports potentially transformative projects in the theory of algorithms and computational complexity, characterized by algorithmic innovation and rigorous analysis.
  https://www.nsf.gov/funding/opportunities/af-algorithmic-foundations

- **Communications and Information Foundations (CIF):** supports foundational research that addresses the theoretical underpinnings of information acquisition, transmission, and processing in communications and information processing systems.
  https://www.nsf.gov/funding/opportunities/cif-communications-information-foundations

- **Computer Systems Research (CSR):** supports the advancement and holistic design and development of integrated software and hardware computing systems, including classical and quantum elements, to enable an integrated, cohesive, intelligent computational ecosystem.
  https://www.nsf.gov/funding/opportunities/csr-computer-systems-research

- **Computing Education Research (CER):** supports transformative projects that inform our understanding of the effective teaching and learning of computing skills and concepts at all levels to contribute to the development of, and pathways toward a robust workforce well prepared for careers in CISE fields.
  https://www.nsf.gov/funding/opportunities/computing-education-research

- **Cyber-Physical Systems Foundations and Connected Communities (CPS):** supports convergent research on intelligent, engineered systems, built from the seamless integration of computation with physical components within natural and built environments. The program seeks foundational and translational advances in all areas of cyber-physical systems, including artificial intelligence for cyber-physical systems, and encourages multidisciplinary socio-technical innovation, transforming the way people, technologies, and the environment interact in communities.
  https://www.nsf.gov/funding/opportunities/cps-cyber-physical-systems

- **Foundations of Emerging Technologies (FET):** supports foundational research at the intersection of computing and biological systems, nanoscale science and engineering, quantum information science, and other promising disruptive technologies supporting novel computing/communication models.
  https://www.nsf.gov/funding/opportunities/fet-foundations-emerging-technologies

- **Human-Centered Computing (HCC):** supports research in human-computer interaction, integrating across fields including computing, information, social and behavioral sciences, to (re)design technologies that amplify human capabilities, and understand how human, technical, and contextual aspects of computing and communication systems shape their benefits, effects, and risks.
  https://www.nsf.gov/funding/opportunities/hcc-human-centered-computing

- **Information Integration and Informatics (III):** supports research on computational approaches to the full data lifecycle to maximize the utility of information resources.
  https://www.nsf.gov/funding/opportunities/iii-information-integration-informatics

- **Networking Technology and Systems (NeTS):** supports research that advances intelligent communication network systems, including wired, wireless, Internet, internet of things, quantum, bio-inspired, nano, and other networks, as well as networks that span multiple domains and scales like space-air-ground integrated networks, while exploring their fundamental understanding, properties and trade-offs, and developing innovative tools and techniques, including artificial intelligence (AI), for designing, building, measuring and managing future communication network systems and services.
  https://www.nsf.gov/funding/opportunities/nets-networking-technology-systems

- **Robust Intelligence (RI):** supports computational research to understand and enable intelligent systems in complex, realistic contexts.
  https://www.nsf.gov/funding/opportunities/ri-robust-intelligence

- **Software and Hardware Foundations (SHF):** supports foundational research in the design, verification, operation, utilization and evaluation of computer hardware and software through novel approaches, robust theories, high-leverage tools, and lasting principles.
  https://www.nsf.gov/funding/opportunities/shf-software-hardware-foundations

The CISE Future Computing Research program anticipates a portfolio of awards with a range of budgets and durations, including projects of smaller scope. Project durations and budgets must be commensurate with the scope of the proposed work.

NSF CISE encourages proposal submissions from EPSCoR-eligible institutions to the CISE Future Computing Research programs, with an aim to enhance engagement within the science, technology, engineering, and mathematics (STEM) enterprise, specifically associated with geographic location, and thereby enabling the jurisdiction's national competitiveness. Through this initiative, CISE aims to promote funded activities that enable sustainable growth in research enterprise in EPSCoR jurisdictions. Collaborative proposals among the EPSCoR and Non-EPSCoR-eligible jurisdictions that are led by EPSCoR institutions are particularly welcomed.

Link to Additional Information: https://www.nsf.gov/funding/opportunities/future-core-computer-information-science-engineering-future-computing/nsf25-543/solicitation

9. Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science (SCH), NSF

Application Deadlines: October 3, 2025
Award Budget: up to $300,000 per year for up to a four-year period

This interagency solicitation is a collaboration between NSF and the NIH. The Smart Health program supports innovative, high-risk/high-reward research with the promise of disruptive transformations in biomedical and public health research, which can only be achieved by well-coordinated, convergent, and interdisciplinary approaches that draw from multiple domains of computer and information science, engineering, mathematical sciences and the biomedical, social, behavioral, and economic sciences. Therefore, the work to be funded by this solicitation must make fundamental scientific or engineering contributions to two or more disciplines, such as computer or information sciences, engineering, mathematical sciences, statistics, social, behavioral, or cognitive sciences to improve fundamental understanding of human biological, biomedical, public health and/or health-related processes

and address a key health problem. The research teams must include members with appropriate and demonstrable expertise in the major areas involved in the work. Traditional disease-centric medical, clinical, pharmacological, biological or physiological studies and evaluations are outside the scope of this solicitation. In addition, fundamental biological research with humans that also does not advance other fundamental science or engineering areas is out of scope for this program. Finally, proposals addressing health indirectly in the education or work environment are also out of scope.

Generating these transformations will require fundamental research and development of new tools, workflows and methods across many dimensions; some of the themes are highlighted below. These themes should be seen as examples and not exhaustive.

1. **Fairness and Trustworthiness:** supports the conduct of fundamental computational research into theories, techniques, and methodologies that go well beyond today's capabilities and are motivated by challenges and requirements in biomedical applications.

2. **Transformative Analytics in Biomedical and Behavioral Research:** supports efforts to push forward the current frontline of AI/ML and advanced analytics for biomedical and behavioral research.

3. **Next Generation Multimodal and Reconfigurable Sensing Systems:** encourages the design and fabrication of multimodal and/or reconfigurable sensor systems through innovative research on novel functional materials, devices and circuits for sensing or active interrogation of system states, imaging, communications, and computing. Areas of interest include miniaturized sensor microsystems with integrated signal processing and communication functionalities; multimodal or reconfigurable sensor systems with dramatically reduced power consumption to extend battery lifetime and enable self-powered operation, making the sensor systems suitable for wearable and implantable applications; real-time monitoring of analytes and new biorecognition elements that can be reconfigured to target different analytes on-demand.

4. **Cyber-Physical Systems:** supports work that enables the creation of closed-loop or human-in- the-loop CPS systems to assess, treat and reduce adverse health events or behaviors, with core research areas including control, data analytics, and machine learning including real-time learning for control, autonomy, design, Internet of Things (IoT), networking, privacy, real-time systems, safety, security, and verification. Finally, development of automated technology that can be utilized across a range of settings to optimize the delivery of effective health interventions is also within scope of the theme.

5. **Robotics:** encourages research on robotic systems that exhibit significant levels of both computational capability and physical complexity.

6. **Biomedical Image interpretation:** the goal is to determine how characteristics of human pattern recognition, visual search, perceptual learning, attentional biases, etc. can inform and improve image interpretation.

NSF supports investigation of fundamental research questions with broadly applicable results. The Smart Health program supports research evaluation with humans. Because advancing fundamental science is early-stage research, randomized control trials are not appropriate for this solicitation and will not be funded. Research that has advanced to a stage that requires randomized control trials should be submitted to an agency whose mission is to improve health.

NIH supports research and discovery that improve human health and save lives. This joint program focuses on fundamental research of generalizable, disease-agnostic approaches with broadly applicable results that align with NIH's Strategic Plan for Data Science.

Proposals submitted to this solicitation must be integrative and undertake research addressing key application areas by solving problems in multiple scientific domains. The work must make fundamental scientific or engineering contributions to two or more disciplines, such as computer or information sciences, engineering, mathematical sciences, social, behavioral, cognitive and/or economic sciences and address a key health problem. Projects are expected to include students and postdocs. Collaborations with researchers in the health application domains are required. Such collaborations typically involve multiple institutions, but this is not required.

Link to Additional Information: https://www.nsf.gov/funding/opportunities/sch-smart-health-biomedical-research-era-artificial-intelligence/nsf25-542/solicitation

10. AFRI Competitive Grants Program Foundational and Applied Science Program, NIFA / USDA

The purpose of AFRI (listed in the Assistance Listings under number 10.310) is to support research, education, and extension projects that will help farmers, ranchers, foresters, and other agricultural producers address key problems of local, regional, and national importance in sustaining food and agricultural systems. These include farm and ranch production efficiency, profitability, and sustainability; bio-based products; forestry; aquaculture; rural communities and entrepreneurship; human nutrition; mitigating impacts of biotic and abiotic constraints on food production; food safety; physical and social sciences; rural human ecology; and genetic improvement of plants and animals. In addition, the economic sustainability of food systems is an overarching priority for the projects funded in response to this RFA; therefore, projects focusing on plant or animal species or commodities that are important to small- or medium-sized farms or ranches are also welcome. Through this support, AFRI advances knowledge in both fundamental and applied sciences important to agriculture. Additionally, AFRI supports work in education and extension activities that deliver science-based knowledge to end users, allowing them to make informed, practical decisions. This AFRI RFA provides funding for research-only, education-only, extension-only, and integrated research, education, and/or extension projects addressing six priorities.

1. **Food Safety and Defense**

Application Deadlines:

- **Letter of Intent:** Workshop Grants only - 195 days before the workshop begins
- **Full Proposal:** October 16, 2025

Award Budget:

- **Standard Grants, Strengthening Standard Grants, and New Investigator Standard Grants:** $650,000 for 36 to 60 months
- **Seed Grants:** $300,000 for up to 24 months
- **Sabbatical Grants:** for up to 12 months
- **Equipment Grants:** $50,000 for 36 to 60 months
- **Workshop Grants:** $50,000 for up to 60 months

Priority:

NIFA invites proposals for basic and applied research that will reduce the risk of intentional or unintentional contamination of foods. Applications must address one or more of the following (order does not indicate importance):

a. Develop microbiological procedures designed to alleviate the need for enrichment in the detection of very small numbers of pathogens in large food samples collected to represent a food production lot.
b. Develop methods for identifying, detecting, and/or enumerating pathogens of relatively high public health risk including persistence or virulence.
c. Develop and validate advanced and innovative technologies or processes for food processing, manufacturing, packaging, cleaning, and sanitation to effectively reduce the presence of surviving

enteric pathogens in food and processing facilities.

d. Develop preharvest or postharvest methods to detect, reduce, and/or mitigate the intentional or unintentional contamination of foods with pathogens, allergens, physical or chemical (arsenic, lead, cadmium, or mercury) hazards, including specific reference to contextually appropriate approaches.
e. Develop methods to identify, prevent, or reduce intentional contamination or adulteration of foods.
f. Develop and validate novel strategies for the effective control of persistent reservoirs of foodborne pathogens.
g. Food safety projects that demonstrate an integrated approach to solving problems in applied food safety research, education, or extension.

2. Diet, Nutrition, and the Prevention of Chronic Diseases

Application Deadlines:

- **Letter of Intent:** Workshop Grants only - 195 days before the workshop begins
- **Full Proposal:** October 23, 2025

Award Budget:

- **Standard Grants, Strengthening Standard Grants, and New Investigator Standard Grants:** $1,000,000 for 36 to 60 months
- **Seed Grants:** $300,000 for up to 24 months
- **Sabbatical Grants:** for up to 12 months
- **Equipment Grants:** $50,000 for 36 to 60 months
- **Workshop Grants:** $50,000 for up to 60 months

Priority:

NIFA requests proposals for integrated projects that help prevent, and if needed control chronic disease across the lifecycle by supporting and encouraging, healthy dietary choices through data driven, flexible, and person-focused approaches. Proposals must reflect understanding of the multifaceted and interactive nature of research, education, and extension-outreach. Project teams must reflect knowledge of having consistent access, availability, and affordability of foods and beverages that promote well-being and prevent diet-related chronic diseases.

Applications to improve and sustain health, prevent diseases before they start, or control dietrelated chronic diseases, including cancer, must use whole food or biobased agricultural product methodology. Methods may include and are not limited to evaluating the effects of foods or biobased agricultural products on the patient experience or efficacy of treatment for the control, mitigation, secondary or tertiary prevention, or survival of diet-related chronic diseases.

This program area priority will fund at least one project that focuses specifically on the Expanded Food and Nutrition Education Program (EFNEP). Project findings must include (1) research-tested and contextually appropriate results to inform future directions of EFNEP as well as (2) streamlined and statistically sound EFNEP national evaluation metrics. EFNEP project proposals must demonstrate respect for the context and continuity of the national nutrition education program. EFNEP Program Coordinator(s) must be integral members of the project team. Allocable time and effort of the EFNEP Coordinator(s) must be included in the proposal budget request. EFNEP peer educator(s) input regarding project planning, activities, and operations must be included. Applicants must demonstrate strong collaboration to catalyze integrated project efforts that advance EFNEP, including research and extension components, education component is optional. EFNEP proposals must use nutrition education as their Program Area Approach. Appropriate context may include multiple institutions, program sites, regions, and tiers. EFNEP proposals that focus on peer educator success, include workforce succession planning, capture economic return of training and professional development, and evaluate quality of life indicators, along with participant engagement and cultural relevance are encouraged.

Applicants must address at least one of the following Program Area Priorities:

a. Develop, implement, and evaluate innovative research, educational, and outreach strategies to improve eating patterns that prevent and control diet-related chronic diseases.
b. Investigate, assess, and recommend integrated food and human nutrition research and program implementation interventions, and/or program evaluation metrics with the goal to achieve food and nutrition security, improve and sustain health.
c. Improve nutritional health outcomes through an evidence-based approach to healthy eating and active living.

Program Area Priority Approaches:

Applicants must address at least one of the following Program Area Priority Approaches.

a. Precision nutrition, also referred to as personalized nutrition, which focuses on individuals rather than a "one-size-fits-all" approach to dietary guidance, or tailored dietary needs rather than the general population.
b. Nutrition education that disseminates and implements food and human nutrition interventions that motivate or facilitate voluntary adoption of food choices and other food and nutrition-related behaviors conducive to lifelong health and well-being particularly at the individual and/or family level(s).
c. Policy, systems, and/or built environment change efforts supportive of healthy food and physical activity behaviors particularly at the community and/or population level(s).
d. Culturally and contextually appropriate approaches to tackle nutrition insecurity, prevent and control diet-related chronic diseases and corresponding disparities.

3. Food and Human Health

Application Deadlines:

- **Letter of Intent:** Workshop Grants only - 195 days before the workshop begins
- **Full Proposal:** October 30, 2025

Award Budget:

- **Standard Grants, Strengthening Standard Grants, and New Investigator Standard Grants:** $650,000 for 36 to 60 months
- **Seed Grants:** $300,000 for up to 24 months
- **Sabbatical Grants:** for up to 12 months
- **Equipment Grants:** $50,000 for 36 to 60 months
- **Workshop Grants:** $50,000 for up to 60 months

Priority:

Human health is a complex subject and requires transdisciplinary efforts including food scientists and nutrition scientists to collaboratively close knowledge gaps. Processed foods may mechanistically influence metabolic health beyond nutrient composition and diet quality. Additional research is needed in understanding digestive response (from absorption to excretion, bioavailability, gut hormones, and microbiota composition and function, etc.) and metabolic response (glycemic response; insulin sensitivity, endocrine response, vascular function, etc.) of processed foods compared to whole foods. For the purposes of this funding opportunity, a processed food is any food that has been physically, biologically, or chemically modified from its natural, raw state.

Project results should provide solid scientific evidence to inform the development of future iterations of the Dietary Guidelines for Americans to prevent, or address diet-related chronic diseases such as obesity, cardiovascular diseases, diabetes, and certain types of cancers or control chronic diseases. They should also help to promote precision nutrition; and where appropriate, personalized dietary needs.

This program has two priorities. Applicants should choose one of the two priorities (A or B) in which to focus.

A. Food and Gut Health - Applicants responding to this priority must address at least one of the following:
   a. Investigate effects of whole food, food ingredients, and bioactive compounds on the gut microbiota and their impacts on human health.
   b. Determine the structure and functional outcomes of food matrices and/or metabolites of gut microbiome in human gastrointestinal tracts (GI).
   c. Investigate the fate and transport of food contaminants or food process-induced compounds (e.g., acrylamide, advanced glycation end products) in the human GI tract and/or its impacts on gut microbiota.

B. Processed Food and Human Health - Applicants responding to this priority must address at least one of the following:
   a. Investigate metabolic mechanisms through which characteristics of processed foods may impact human health by influencing risk factors for cardiometabolic, obesity, or cancer, in children and adults. Characteristics may include but are not limited to food formulation, processes, matrix, etc.
   b. Investigate the biological mechanisms to explain how properties of processed foods (e.g. hedonic, sensory, hyper-palatability etc.) influence ingestive behavior; and their contribution to excess energy and nutrient intake in adults and children; and explore potential solutions to improve health outcomes.
   c. Investigate impacts of processing on nutrient bioavailability, and how food structures (e.g. food matrix) impacts the digestive responses as whole food progresses along the continuum from minimally processed to highly processed. Research should use foods commonly consumed in the U.S. diet and explore possible innovative solutions that protect nutrients during processing to improve human health.

Link to Additional Information: https://www.nifa.usda.gov/grants/funding-opportunities/agriculture-food-research-initiative-foundational-applied-science

11. 2026 AHA Institutional Research Enhancement Award (AIREA), American Heart Association

Application Deadlines: September 11, 2025
Award Budget: up to $100,000 per year for up to two years

To support small-scale research projects related to cardiovascular diseases and brain health at educational institutions that provide baccalaureate or advanced degrees but that have not been major recipients of NIH support. The award supports any part of the full range of basic, clinical and population research and development.

The goals of the program are to support meritorious research, expose students to research, and strengthen the research environment of the institution.

AHA research awards are limited to U.S.-based non-profit institutions, including medical, osteopathic, and dental schools, veterinary schools, schools of public health, pharmacy schools, nursing schools, universities and colleges, public and voluntary hospitals and others that can demonstrate the ability to conduct the proposed research.

Required AHA Professional Membership
Each applicant must be an AHA Professional Member. Join or renew when preparing a proposal in ProposalCentral,

online, or by phone at 972-349-5803 or 1-888-242-2453. Membership processing may take 3-5 days; do not wait until the proposal deadline to renew or join

Link to Additional Information: https://professional.heart.org/en/research-programs/aha-funding-opportunities/aha-institutional-research-enhancement-award-airea

12. Pathways to Enable Open-Source Ecosystems (POSE), NSF

Application Deadlines: September 2, 2025
Award Budget:

- **Phase I: OSE Scoping and Planning Proposals:** up to $300,000 per award for up to one year
- **Phase II: Establishment and Expansion Proposals**: up to $1,500,000 per award for up to two years

The Pathways to Enable Open-Source Ecosystems (POSE) program aims to harness the power of open-source development for the creation of new technology solutions to problems of national and societal importance. Many NSF-funded projects result in publicly accessible, modifiable, and distributable open-source products, including software, hardware, models, specifications, programming languages, or data platforms that catalyze further innovation. In some cases, an open-source product that shows potential for wide adoption forms the basis for a self-sustaining open-source ecosystem (OSE) that comprises a leadership team; a managing organization with a well-defined governance structure and distributed development model; a cohesive community of external intellectual content developers; and a broad base of users across academia, industry, and/or government. The overarching vision of POSE is that proactive and intentional formation of managing organizations will ensure broader adoption of open-source products; increased coordination of external intellectual content developer contributions; and a more focused route to technologies with broad societal impact. Toward this end, the POSE program supports the formation of new OSE managing organizations based on an existing open-source product or class of products, whereby each organization is responsible for the creation and management of processes and infrastructure needed for the efficient and secure development and maintenance of an OSE.

The POSE program aims to support new managing organizations to catalyze distributed, community-driven development and growth of new OSEs. The expected outcomes of the POSE program are to grow the community of researchers and innovators who develop and contribute to OSE efforts, and to enable pathways for the safe and secure development of OSEs that have broad societal impacts. OSEs can emerge from any areas of Science, Technology, Engineering, and Mathematics (STEM) research and development.

This solicitation seeks two types of proposals, allowing teams to propose specific activities to scope and plan the establishment of an OSE (Phase I), and to establish a sustainable OSE based on a robust open-source product that shows promise in the ability to both meet an emergent societal or national need and build a community to help develop it (Phase II).

- **Phase I: OSE Scoping and Planning Proposals -** projects are for open-source research products with a small community of external users though the product may not necessarily have external content developers. The objectives of Phase I projects are to: (1) enable scoping activities that will inform the transition of promising research products that are already available in open-source formats into sustainable and robust OSEs that will have broad societal impacts, and (2) provide training to teams interested in building such an OSE.

  Phase I awardees are not obligated to submit Phase II proposals in the future.

- **Phase II: Establishment and Expansion Proposals -** projects are for open-source research products with small, existing communities of external users and external content developers. The objective of Phase II

projects is to support the transition of a promising open-source product into a sustainable and robust OSE. Phase II proposal teams are expected to have already conducted the scoping activities needed to develop a detailed project plan to support the community-driven distributed development and deployment of successful open-source tools into operational environments (not necessarily via a Phase I award).

An NSF POSE Phase I award is not required for the submission of a Phase II proposal.

Link to Additional Information: https://www.nsf.gov/funding/opportunities/pose-pathways-enable-open-source-ecosystems/nsf24-606/solicitation

Fellowships / Scholarships

1. **Graduate Education for Minorities (GEM) Fellowship Program**
   Application Deadline: November 14, 2025
   Award Budget: see program information for funding information

GEM offers MS and Ph.D. level students an outstanding opportunity and access to dozens of the top Engineering and Science firms and Universities in the nation. The GEM Fellowship was designed to focus on promoting opportunities for individuals to enter industry at the graduate level in areas such as research and development, product development, and other high level technical careers. GEM also offers exposure to a number of opportunities in academia.

The objective of this program is to promote the benefits of a masters degree within industry. GEM Fellows are provided practical engineering summer work experiences through an employer sponsor and a portable academic year fellowship of tuition, fees, and a stipend which may be used at any participating GEM Member University where the GEM Fellow is admitted. Please note that University / Associate Fellows are nominated by the University, not selected by the applicant.

Link to Additional Information: https://www.gemfellowship.org/gem-fellowship-program/#a

2. **Stewardson Keefe LeBrun Travel Grant, AIA New York**
   Application Deadline: October 6, 2025
   Award Budget: single or multiple awards of up to $25,000

This grant is awarded to further the personal and professional development of an architect in early or mid career through travel. Travel plans should be focused on a selected topic of interest to the individual rather than as part of a larger humanitarian or institutional endeavor. If appropriate, the winner may be asked to present at the Center for Architecture upon return.

Link to Additional Information: https://www.aiany.org/architecture/competitions-grants/stewardson-keefe-lebrun-travel-grant/

3. **Ruth L. Kirschstein National Research Service Award (NRSA) Individual Fellowship for Students at Institutions Without NIH-Funded Institutional Predoctoral Dual-Degree Training Programs (Parent F30)**
   Application Deadline: December 8, 2025
   Award Budget: budgets are composed of stipends, tuition and fees, and institutional allowance

The goal of the fellowship is to support promising predoctoral students, who are matriculated in a combined MD/PhD or other dual-doctoral degree training program (e.g. DO/PhD, DDS/PhD, AuD/PhD, DVM/PhD), during their mentored research training and clinical training under the guidance of appropriate faculty sponsors. The

research and training plans are expected to provide the candidate with a strong understanding of the rigorous research design, experimental methods, quantitative approaches, and data analysis. This program thus contributes to efforts to increase the pool of highly trained physician-scientists and other clinician-scientists in the biomedical research workforce.

This program will support students at institutions without NIH-funded institutional predoctoral dual-degree training programs. The intent is to promote equitable review of applications from these two kinds of institutions, as well as better tracking of fellowship awardee candidate's future progress in establishing independent careers as physician/clinician-scientists.

Link to Additional Information: https://grants.nih.gov/grants/guide/pa-files/PA-25-425.html

4. **Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31)**
   Application Deadline: December 8, 2025
   Award Budget: budgets are composed of stipends, tuition and fees, and institutional allowance

The purpose is to enable promising predoctoral students to obtain individualized, mentored research training from appropriate faculty sponsors while conducting biomedical research. Candidates for this F31 program are expected to propose a research project and training plan in scientific health-related fields relevant to the mission of the participating Institutes and Centers. This training plan should reflect the candidate's research training project and facilitate and clearly enhance the individual's potential to develop the necessary skills for further career advancement. The training plan should document the need for, and the anticipated value of, the proposed mentored research and training in relationship to the individual's research career goals. The training plan should also facilitate the fellow's transition to the next stage of their research career. The research and training plans are expected to provide the candidate with a strong understanding of the rigorous research design, experimental methods, quantitative approaches, and data analysis.

Link to Additional Information: https://grants.nih.gov/grants/guide/pa-files/PA-25-422.html

5. **L'SPACE Program - Lucy Student Pipeline Accelerator and Competency Enabler**
   Application Deadline:
   - **Mission Concept Academy (MCA):** August 24, 2025
   - **NASA Proposal Writing and Evaluation Experience (NPWEE):** August 24, 2025

   Award Budget: N/A

The Lucy Mission's L'SPACE Program is a free, online, interactive experience open to undergraduate and graduate students interested in pursuing a career within NASA or other organizations in the space ecosystem. Fully funded by NASA, through its Lucy mission, the L'SPACE Program offers rigorous, deep technical training in mission planning and proposal writing.

L'SPACE consists of two Academies - the Mission Concept Academy (MCA), and the NASA Proposal Writing and Evaluation Experience (NPWEE) Academy. Students may participate in one Academy per semester. Each 15-week Academy is designed to provide unique, hands-on learning and insight into the dynamic world of the space industry. Students can expect to learn NASA mission procedures and protocols from industry professionals as they collaborate with fellow team members to complete mission-related, team-projects.

Link to Additional Information: https://www.lspace.asu.edu/

Proposals Accepted Anytime

1. Division of Environmental Biology, NSF
   https://www.nsf.gov/funding/opportunities/deb-division-environmental-biology/nsf24-543/solicitation

2. Condensed Matter and Materials Theory (CMMT), NSF
   https://www.nsf.gov/funding/opportunities/cmmt-condensed-matter-materials-theory

3. Division of Materials Research: Topical Materials Research Programs (DMR: TMRP), NSF
   https://www.nsf.gov/funding/opportunities/dmr-tmrp-division-materials-research-topical-materials-research/nsf23-612/solicitation

4. Research in the Formation of Engineers, NSF
   https://www.nsf.gov/funding/opportunities/rfe-research-formation-engineers

5. Manufacturing Systems Integration (MSI), NSF
   https://www.nsf.gov/funding/opportunities/msi-manufacturing-systems-integration

6. Electronics, Photonics and Magnetic Devices (EPMD), NSF
   https://www.nsf.gov/funding/opportunities/epmd-electronics-photonics-magnetic-devices

7. Plant Genome Research Program (PGRP), NSF
   https://www.nsf.gov/funding/opportunities/pgrp-plant-genome-research-program/nsf24-547/solicitation

8. Communications, Circuits, and Sensing-Systems (CCSS), NSF
   https://www.nsf.gov/funding/opportunities/ccss-communications-circuits-sensing-systems

9. Fluid Dynamics, NSF
   https://www.nsf.gov/funding/opportunities/fluid-dynamics

10. Biophotonics, NSF
    https://www.nsf.gov/funding/opportunities/biophotonics

11. Environmental Sustainability, NSF
    https://www.nsf.gov/funding/opportunities/environmental-sustainability

12. Particulate and Multiphase Processes, NSF
    https://www.nsf.gov/funding/opportunities/particulate-multiphase-processes

13. Interfacial Engineering, NSF
    https://www.nsf.gov/funding/opportunities/interfacial-engineering

14. Nanoscale Interactions, NSF
    https://www.nsf.gov/funding/opportunities/nanoscale-interactions

15. Combustion and Fire Systems (CFS), NSF
    https://www.nsf.gov/funding/opportunities/cfs-combustion-fire-systems

16. Infrastructure Innovation for Biological Research (Innovation), NSF
https://www.nsf.gov/funding/opportunities/innovation-infrastructure-innovation-biological-research/nsf23-578/solicitation

17. Infrastructure Capacity for Biological Research (Capacity), NSF
https://www.nsf.gov/funding/opportunities/capacity-infrastructure-capacity-biological-research/nsf23-580/solicitation

18. Energy, Power, Control, and Networks (EPCN), NSF
https://www.nsf.gov/funding/opportunities/epcn-energy-power-control-networks

19. Engineering of Biomedical Systems, NSF
https://www.nsf.gov/funding/opportunities/engineering-biomedical-systems

20. Catalysis, NSF
https://www.nsf.gov/funding/opportunities/catalysis

21. Process Systems, Reaction Engineering, and Molecular Thermodynamics, NSF
https://www.nsf.gov/funding/opportunities/process-systems-reaction-engineering-molecular

22. Disability and Rehabilitation Engineering (DARE), NSF
https://www.nsf.gov/funding/opportunities/dare-disability-rehabilitation-engineering

23. Cellular and Biochemical Engineering, NSF
https://www.nsf.gov/funding/opportunities/cellular-biochemical-engineering

24. Facility and Instrumentation Request Process (FIRP), NSF
https://www.nsf.gov/funding/opportunities/firp-facility-instrumentation-request-process/nsf23-602/solicitation

25. Research Infrastructure in the Social and Behavioral Sciences (RISBS), NSF
https://www.nsf.gov/funding/opportunities/risbs-research-infrastructure-social-behavioral-sciences

26. Mind, Machine and Motor Nexus (M3X), NSF
https://www.nsf.gov/funding/opportunities/m3x-mind-machine-motor-nexus

27. Cyberinfrastructure for Public Access and Open Science, NSF
https://www.nsf.gov/funding/opportunities/ci-paos-cyberinfrastructure-public-access-open-science

28. Multilateral Partnerships Leveraging Excellence (MultiPLEx), NSF
https://www.nsf.gov/funding/opportunities/multiplex-multilateral-partnerships-leveraging-excellence

29. Life and Environments Through Time (LET), NSF
https://www.nsf.gov/funding/opportunities/let-life-environments-through-time/nsf25-517/solicitation

30. Infrastructure Systems and People (ISP), NSF
https://www.nsf.gov/funding/opportunities/isp-infrastructure-systems-people

31. Facilitating Research at Primarily Undergraduate Institutions: Research in Undergraduate Institutions (RUI) and Research Opportunity Awards (ROA), NSF
https://www.nsf.gov/funding/opportunities/rui-roa-pui-facilitating-research-predominantly-undergraduate/nsf14-579/solicitation

32. Growing Research Access for Nationally Transformative Economic Development (GRANTED), NSF
https://www.nsf.gov/funding/opportunities/granted-growing-research-access-nationally-transformative-economic

33. Research in the Formation of Engineers (RFE), NSF
https://www.nsf.gov/funding/opportunities/rfe-research-formation-engineers

Announcing Previous Important Funding Opportunities

1. Archival Projects, National Historical Publications & Records Commission-National Archives
Deadline: August 15, 2025 (Optional Draft); November 15, 2025 (FP)
https://www.archives.gov/nhprc/announcement/archival.html

2. Verticals-enabling Intelligent Network Systems (VINES), NSF
Application Deadlines: August 25, 2025 (Track 1); September 25, 2025 (Track 2)
https://www.nsf.gov/funding/opportunities/vines-verticals-enabling-intelligent-network-systems/nsf25-539/solicitation

3. Grants Program, The Andy Warhol Foundation for the Visual Arts
Deadline: September 1, 2025
https://warholfoundation.org/grants/

4. Priority HIV/AIDS Research within the Mission of NIDDK (R01 Clinical Trial Optional), NIH
Deadline: September 7, 2025
https://grants.nih.gov/grants/guide/pa-files/PAS-25-073.html

5. IUSE/Professional Formation of Engineers: Revolutionizing Engineering Departments (IUSE/PFE: RED), NSF
Deadline: September 9, 2025
https://www.nsf.gov/funding/opportunities/iusepfe-red-iuseprofessional-formation-engineers-revolutionizing/nsf24-564/solicitation

6. Science of Science: Discovery, Communication and Impact (SoS:DCI), NSF
Deadline: September 9, 2025
https://www.nsf.gov/funding/opportunities/sosdci-science-science-discovery-communication-impact

7. A Science of Science Approach to Analyzing and Innovating the Biomedical Research Enterprise (SoS:BIO), NSF
Deadline: September 9, 2025
https://www.nsf.gov/funding/opportunities/sosbio-science-science-approach-analyzing-innovating-biomedical/nsf23-569/solicitation

8. Community Infrastructure for Research in Computer and Information Science and Engineering (CIRC), NSF
Deadline: September 12, 2025
https://www.nsf.gov/funding/opportunities/circ-community-infrastructure-research-computer-information/nsf23-589/solicitation

9. Computer and Information Science and Engineering (CISE): Core Programs, Large Projects, NSF
Application Deadline Window: September 15, 2025 - September 29, 2025
https://new.nsf.gov/funding/opportunities/computer-information-science-engineering-core-0/nsf24-572/solicitation#elig

10. Accelerating Computing-Enabled Scientific Discovery (ACED), NSF
    Deadline: September 17, 2025
    https://new.nsf.gov/funding/opportunities/aced-aced-accelerating-computing-enabled-scientific-discovery/nsf24-541/solicitation

11. NIA Program Project Applications (P01 Clinical Trial Optional), NIH
    Deadline: September 25, 2025
    https://grants.nih.gov/grants/guide/pa-files/PAR-22-130.html

12. In-cycle Investigator Initiated Grants, The Alpha-1 Foundation
    Deadline: September 26, 2025 (LOI); February 6, 2026 by invitation only (FP)
    https://alpha1.org/grant-opportunities/

13. Security, Privacy, and Trust in Cyberspace (SaTC 2.0), NSF
    Deadline: September 29, 2025
    https://new.nsf.gov/funding/opportunities/satc-20-security-privacy-trust-cyberspace/nsf25-515/solicitation

14. Security, Privacy, and Trust in Cyberspace (SaTC 2.0), NSF
    Deadline: September 29, 2025
    https://www.nsf.gov/funding/opportunities/satc-20-security-privacy-trust-cyberspace/nsf25-515/solicitation

15. Computer and Information Science and Engineering: Core Programs, NSF
    Application Deadline Window: October 1, 2025 - September 30, 2026 (Small Projects), October 1 - October 23, 2025 (OAC Core Projects and Medium Projects)
    https://www.nsf.gov/funding/opportunities/computer-information-science-engineering-core-programs/nsf24-589/solicitation

16. Exploring Equitable Futures, Robert Wood Johnson Foundation
    Deadline: October 15, 2025 (Brief Proposal); by invitation only
    https://www.rwjf.org/en/grants/active-funding-opportunities/2025/exploring-equitable-futures.html

17. International Research Experiences for Students (IRES), NSF
    Deadline: October 27, 2025
    https://www.nsf.gov/funding/opportunities/ires-international-research-experiences-students/nsf24-506/solicitation

18. Applied Mathematics, NSF
    Application Deadline Window: November 1, 2025 - November 17, 2025
    https://www.nsf.gov/funding/opportunities/applied-mathematics

19. Cyberinfrastructure for Sustained Scientific Innovation (CSSI), NSF
    Deadline: December 1, 2025
    https://www.nsf.gov/funding/opportunities/cssi-cyberinfrastructure-sustained-scientific-innovation/nsf22-632/solicitation

20. Cybersecurity Innovation for Cyberinfrastructure (CICI), NSF
    Deadline: January 21, 2026
    https://www.nsf.gov/funding/opportunities/cici-cybersecurity-innovation-cyberinfrastructure/nsf25-531/solicitation

21. Mid-Career Advancement (MCA), NSF
    Application Deadline Window: February 1, 2026 - March 2, 2026
    https://www.nsf.gov/funding/opportunities/mca-mid-career-advancement

22. Collaborations in Artificial Intelligence and Geosciences (CAIG), NSF
    Deadline: February 4, 2026
    https://www.nsf.gov/funding/opportunities/caig-collaborations-artificial-intelligence-geosciences/nsf25-530/solicitation

23. Translation and Diffusion (TD), NSF
    Deadline: February 4, 2026
    https://www.nsf.gov/funding/opportunities/td-translation-diffusion/nsf25-528/solicitation

24. Research and Development (RAD) Directed Energy (RD) University Assistance Instruments, Dept. of the Air Force, Air Force Research Lab
    Deadline: until July 18, 2029 (Mandatory LOI); by invitation only (FP)
    https://www.grants.gov/search-results-detail/355499

25. Grants Program, AMGEN Foundation
    Deadline: Proposals Accepted Throughout the Year
    https://www.amgen.com/responsibility/healthy-society/community-investment/amgen-foundation/amgen-foundation-grants/amgen-foundation-grant-guidelines

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