Oportunidades de Fondos Externos
Vicepresidencia de Recursos Externos
ACADEMIC YEAR 2024-25 / VOLUME II
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 8/23/2024 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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1. Scholarly Editions and Translations, NEH

Application Deadline:

- **Optional Draft:** September 30, 2024
- **Full Proposal:** December 4, 2024

Award Amount:

- **Planning:** up to $65,000 for a duration of one to two years
- **Implementation:** up to $100,000 per year in outright funds, plus an additional $50,000 in matching funds, for a maximum of $150,000 per year and a maximum of $450,000 per award for a duration of one to three years

The Scholarly Editions and Translations program provides grants to organizations to support collaborative teams who are editing, annotating, and translating foundational humanities texts that are vital to generating new scholarship but are inaccessible or only available in inadequate editions or translations. Works from any humanities field may be the subject of an edition. Since the program's inception in 1966, the NEH has funded editions and translations of some of the most significant historical, literary, philosophical, and music texts.

The program supports continuous full-time or part-time activities during the period of performance of one to three years. At least two scholars must work collaboratively on the project. Typical project expenses include salary for editorial and research activities, travel to collections to verify source material, and consultant fees for translation, editorial work, and the implementation of a digital edition. Editions and translations may be print, digital, or a combination of both, but all editions and translations must contain additional and new scholarly material such as introductions, annotations, and critical apparatus. To the extent that the condition of the materials, intellectual property rights, and privacy and cultural considerations allow, projects should make the materials developed publicly available. NEH strongly encourages projects that offer free public access to digital materials.

You may propose an edition of a text in the original language (English or non-English) or the translation of non-English language texts into English, but you may not propose the translations of texts into any language other than English.

All projects should embody the best practices in editing and translating, such as those recommended by the Association for Documentary Editing (ADE) or the Modern Language Association (MLA) Committee on Scholarly Editions. Editions and translations must contain scholarly apparatus appropriate to their subject matter and format, including introductions and annotations that explain form, transmission, and their historical and intellectual contexts. For translation projects, you must also explain your theory and method of translation for the proposed work.

Funding Levels

- **Planning:** help scholars prepare to create a scholarly edition or translation. Activities that may be supported at a planning stage include determining the scope of the corpus, collecting documents and supporting texts, establishing editorial and translation policies, evaluating target audiences and determining their needs, selecting collaborators, and planning for dissemination, digital access, and sustainability. Planning awards should not be used for the preparation of an NEH Implementation award application or an application to any other funding opportunity.

- **Implementation:** support scholars who are working on producing a scholarly edition or translation. Activities that may be supported at the implementation stage include manuscript collection; transcription, collation, and translation of original and previously published version of the materials; verification of transcriptions and translations; research and writing of introductions, preparing annotations and other scholarly apparatus; traveling to collections to verify source material; final proofing of print-ready material; creating volumes indexes; digitally encoding texts; and implementing a digital edition.

Program Outputs

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

- editorial policies and workflow procedures

- reports from planning meetings
- reports from documents searches
- memorandum of understanding from archives, library, and other documentary repositories
- copyright permissions
- prototype or other early-stage versions of planned editions and translations
- digital sustainability and accessibility plans
- letters of commitment from editorial collaborators and advisory board members
- agreements with digital collaborators
- publication contract

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

- print editions and translations with scholarly introductions, annotations, and other critical apparatus
- digital editions and translations with scholarly introductions, annotations, and other scholarly apparatus
- most outputs listed as planning grant outputs that are necessary to be undertaken on an ongoing basis

Link to Additional Information: https://www.neh.gov/grants/research/scholarly-editions-and-translations-grants

2. MUREP Earth System Science Research (MUREP ESSR), NASA

Application Deadlines: October 30, 2024
Award Information: up to $1,200,000 per three-year award

NASA's Office of Science, Technology, Engineering, and Mathematics Engagement (OSTEM) Minority University Research and Education Project (MUREP) and the Earth Science Division (ESD) solicit proposals from 4-year Minority Serving Institutions (MSIs) to establish MUREP Earth Systems Science Research (ESSR) Institutes to enhance the research, academic and technological capabilities of MSIs through multiyear cooperative agreements. MUREP and the Earth Science Division (ESD) seek partnerships with MSIs to build research and education Institutes to study the ecosystem impacts, environmental hazards, and fragility of the MSI's region. Eligible MSIs include: Historically Black Colleges and Universities (HBCUs), Predominately Black Institutions (PBIs), Hispanic-Serving Institutions (HSIs), Asian American and Native American Pacific Islander Serving Institutions (AANAPISIs), Alaska Native and Native Hawaiian-Serving Institutions (ANNHs), American Indian Tribal Colleges and Universities (TCUs), Native American-Serving Nontribal Institutions (NASNTIs) and other MSIs, as required by MSI-focused Executive Orders.

NASA ESD has an inspiring mission—we are innovating and collaborating to explore and understand the Earth system, make new discoveries, and enable solutions for the benefit of all. Our science is at its most impactful when pressed into action and informing decisions. Within a decade, we will advance and integrate Earth science knowledge to empower humanity to create a more resilient world.

The trusted, actionable Earth science will focus on resilience and critical systems that enable humanity to prosper. These include (but are not limited to):

- Agriculture production
- Air quality
- Biodiversity and ecological change
- Disasters and extreme events
- Environmental justice, water quality, and infectious disease
- Sea level change and coastal risk and resilience

This Notice of Funding Opportunity (NOFO) seeks to establish MUREP ESSR Institutes led by MSIs that can accelerate discovery and innovation in a broad array of Earth Science research categories aligned with the Earth Science to Action focus areas, outlined in the NASA Earth Science to Action Strategy 2024-2034 plan. Proposals shall respond to one of the seven Science Research Case Concepts associated with a research area listed in Appendix 13-A, MUREP ESSR Science Research Case Concepts and Contacts. This link could include but is not limited to: NASA satellite remote sensing data

(including joint missions of NASA and its interagency and international partners), remote sensing data that pertain to future NASA observing systems, remote sensing and in situ data from NASA or NASA affiliated suborbital activities such as airborne campaigns and surface-based networks, and data acquired via NASA's Commercial Small sat Data Acquisition (CSDA) Program. While other non-NASA data sources can be utilized, the main source of data should be from NASA. All data must be aligned with NASA's Open Science Management Plan guidelines.

Goals and Objectives

Goals:

(1) Advance knowledge of Earth as a system to meet the challenges of environmental change and to improve life on Earth.
(2) Create unique opportunities for a diverse set of students/faculty to contribute to NASA's work in exploration and discovery.
(3) Build a diverse, future STEM workforce by engaging students in authentic learning experiences with NASA's people, content, and facilities.
(4) Design opportunities to meet Agency workforce requirements and serve the nation's aerospace and Earth science systems, with a focus on advancing human knowledge and understanding the Earth's climate.

Objectives:

(1) Build research and education Institutes to study the ecosystem impacts, environmental hazards, and fragility of the MSI's region. Development of the ESSR Institute involves collaboration with stakeholder groups. See section 13.2.1 Partnerships and Collaborations.
(2) Bridge the gap between observations and decision makers who could benefit from this research and accelerate and advance the impact of NASA's Earth science for the benefit of all humankind.
(3) Observe and understand our planet and manage resources to respond to threats from natural and human-induced environmental changes.

The MUREP ESSR Institutes will support convergence between Earth and space science, engineering, and applied research in communities at risk with climate change. In addition, the MUREP ESSR Institutes will enable breakthroughs in exploring and testing ways to address environmental issues facing underserved communities. Institutes shall contribute to diverse research of Earth science and geospatial information by working with community organizations to tailor projects to community needs and local decision making. Through collaboration, these institutes will co-design, and implement an interdisciplinary approach to new and innovative ideas.

Pre-Proposal Webinars and Questions and Answers: The pre-proposal webinar will take place 9/19/2024 at 4:00 pm ET. Applicants shall refer to the MUREP ESSR landing page on NSPIRES for connection details.

Link to Additional Information:
https://nspires.nasaprs.com/external/solicitations/summary!init.do?solId=%7b69136F4F-AD18-694B-E4BE-C176EC4EF408%7d&path=open

3. Computational and Data-Enabled Science and Engineering (CDS&E), NSF

Submission Window Date(s): See dates below
Expected Amount: budgets are not limited, but need to reflect the actual needs of the proposed project

Large-scale simulations and the ability to accumulate massive amounts of data have revolutionized science and engineering. The goal of the Computational and Data-enabled Science and Engineering (CDS&E) meta-program is to identify and capitalize on opportunities for major scientific and engineering breakthroughs through new computational and data-analysis approaches and best practices. The CDS&E meta-program supports projects that harness computation and data to advance knowledge and accelerate discovery above and beyond the goals of the participating individual programs. The intellectual drivers may be in an individual discipline or cut across more than one discipline in various Divisions and Directorates. A CDS&E proposal should enable and/or utilize the development and adaptation of advances

in research and infrastructure in computational and data science.

The CDS&E meta-program encourages research that pushes the envelope of science and engineering through computation and data, welcoming proposals in any research area supported by the participating divisions. A proposal may address topics that develop or enable interactions among theory, computing, experiment, and observation to achieve progress on hitherto intractable science and engineering problems. Areas of emphasis for CDS&E vary by program. PIs are advised to consult the "related programs" links below before submitting.

The CDS&E meta-program is not intended to replace existing programs that support projects involving computation or the analysis of large or complex data sets using established methods. Rather, proposals submitted to the CDS&E meta-program must have a significant component of computational or data science that goes well beyond what would typically be included in these programs. Any proposal submitted to the CDS&E program that is not responsive to this Program Description may be transferred to or reviewed within the context of an individual program. A proposal requesting consideration within the context of CDS&E should begin the title with the identifying acronym "CDS&E:". Supplement requests to existing awards may also be considered. A CDS&E proposal should include substantive science, engineering, or computing research. Algorithm and pilot software development supporting science and engineering may also be appropriate, depending on the program. Proposers who seek to implement proven, existing methods into robust cyberinfrastructure are referred instead to the program on Cyberinfrastructure for Sustained Scientific Innovation (CSSI).

A CDS&E proposal should be submitted to one of the "Related Programs" or Divisions by the associated submission window, deadline, or target date listed in the table below. In picking the most relevant program, PIs are advised to read program descriptions and solicitations carefully and consult with cognizant Program Officers before proposal preparation. Proposal submissions outside the receiving program's scientific scope may be transferred to a different program or returned without review.

Directorates and Division Programs and Deadlines

- ENG: Division of Chemical, Bioengineering, Environmental, and Transport Systems
    - September 1, 2024 - September 16, 2024

- ENG: Division of Civil, Mechanical and Manufacturing Innovation
    - September 1, 2024 - September 16, 2024

- MPS: Division of Chemistry - Chemical Catalysis (CAT), Chemical Mechanism, Function, and Properties (CMFP), Chemical Synthesis (SYN)
    - September 1, 2024 - September 30, 2024

- MPS: Division of Materials Research
    - October 15, 2024

- MPS: Division of Astronomical Sciences - Advanced Technologies and Instrumentation
    - October 1, 2024 - November 15, 2024

- MPS: Division of Chemistry - Chemical Measurement and Imaging (CMI), Environmental Chemical Sciences (ECS), and Macromolecular, Supramolecular and Nanochemistry (MSN)
    - October 1, 2024 - October 31, 2024

- MPS: Division of Mathematical Sciences
    - October 15, 2024 - October 31, 2024

- MPS: Division of Astronomical Sciences - Astronomy and Astrophysics Research Grants
    - October 1, 2024 - November 15, 2024

- MPS: Division of Physics: Investigator-Initiated Research Projects – Plasma Physics program
    - November 20, 2024

- MPS: Division of Chemistry - Chemistry of Life Processes (CLP), Chemical Structure and Dynamics (CSD), Chemical Theory, Models and Computational Methods (CTMC)
    - Full proposals accepted anytime

Link to Additional Information: https://new.nsf.gov/funding/opportunities/computational-data-enabled-science-engineering-0

4. Collaborative Research, NEH

Application Deadlines:

- **Optional Draft:** September 18, 2024
- **Full Proposal:** November 20, 2024

Award Amount:

- **Planning International Collaboration:** up to $25,000 for a duration of six to twelve months
- **Convening:** up to $50,000 for a duration of six to twelve months
- **Manuscript Preparation and Scholarly Digital Projects:** up to $250,000, or $300,000 for collaborations that include a community college or certain minority-serving institutions for a duration of one to three years

The Collaborative Research program aims to advance humanistic knowledge through collaboration between two or more scholars. The program encourages projects that propose diverse approaches to topics, incorporate multiple points of view, explore new avenues of inquiry in the humanities, and lead to manuscripts for print publication or to scholarly digital products.

You may propose a research project in a single field of study or interdisciplinary work. NEH encourages collaboration with scholars working in the natural or social sciences, but projects must focus on humanistic content and employ humanistic methods.

Scholars may be drawn from one or more institutions. Collaborations among different types of institutions are welcome. For example, research universities might partner with teaching colleges, libraries, museums, or independent research institutions. NEH encourages applications from and collaborations with minority-serving institutions.

You must propose tangible and sustainable outcomes as the end goal of the project, even if completion lies beyond the award's period of performance. Outputs may include, but are not limited to, co-authored or multi-authored books; born-digital publications; themed issues of peer-reviewed journals; a series of peer-reviewed articles in academic journals or articles in general audience publications or both; and open-access scholarly digital projects. All project outputs must address at least one stated humanities research question and convey interpretive humanities work. You must present a plan to disseminate the project's results.

Funding Categories

The Collaborative Research program has four funding categories that support different types of collaborative projects and collaborative projects at different stages of development:

- **Planning International Collaboration -** supports initial meetings to brainstorm, plan, and establish new scholarly collaborations. This category is for early-stage projects involving at least one collaborator based in the U.S. and at least one collaborator based in a foreign country. The scholar or scholars at U.S. institutions must contribute significantly to the project. Examples of funded activities include, but are not limited to, research time to correspond and exchange ideas through videoconferencing; joint travel to a relevant site, archive, library, or collection to investigate a project's feasibility; exploratory workshops or working group meetings for

collaborators; and writing time to complete a plan for future research and publication. The Planning category should advance work towards a product allowable for support within the Collaborative Research program.

- **Convening -** supports a single scholarly conference, symposium, or seminar that is open to members of an intellectual community broader than the invited attendees, or up to two working group meetings that advance a single project and may be restricted to primary collaborators. If you propose working group meetings of primary collaborators alone, you must explain why this is necessary. Convening projects should gather participants, virtually or in person, to sharpen an already established collaborative research topic and work towards subsequent print publications or scholarly digital projects that would be allowable for support within the Collaborative Research program.

- **Manuscript Preparation -** supports the completion of collaborative manuscripts in preparation for print publication. Examples include, but are not limited to, co-authored monographs and edited volumes; a series of peer-reviewed articles; and themed issues of peer reviewed journals. Typical funding requests include, but are not limited to, compensation for research and writing time; travel to a relevant site, archive, library, or collection to conduct research; and compensation for consultants and tribal or other community partners. The Manuscript Preparation category does not support costs associated with holding or attending a conference, symposium, seminar, or workshop. You should submit the manuscript to a publisher at the end of the period of performance. NEH encourages publication that enables broad public access, insofar as the condition of the materials and intellectual property rights allow.

- **Scholarly Digital Projects -** supports the preparation of born-digital scholarly publications, resources, or tools designed to address explicitly stated humanities research questions. The digital project must include significant, integral humanities interpretation or advance an argument. The project must serve an intellectual community beyond the collaborators. Proposals may involve one or more lead scholars collaborating with digital humanities specialists, librarians, or archivists to prepare a digital publication or project using preexisting platforms, programs, or other technological infrastructure. Scholarly resources and tools may include, but are not limited to, open-access databases with significant interpretive content, GIS mapping projects that draw conclusions or advance arguments, and content-rich websites.

Program Outcomes and Outputs

The outcome of a Collaborative Research award will be the advancement of humanistic knowledge through collaboration between two or more scholars.

- Planning International Collaboration:
    - a written plan for collaborative research activities and future print publications or digital scholarly projects
    - livestreamed or recorded video of workshops
    - web-posted papers
    - podcasts, blogs, and discussion boards

- Convening:
    - livestreamed or recorded video of the event
    - web-posted papers
    - conference papers intended for subsequent edited volumes or peer-reviewed articles
    - podcasts, blogs, and discussion boards

- Manuscript Preparation:
    - co-authored monograph
    - edited volume
    - a series of peer-reviewed articles
    - themed issue of a peer-reviewed journal

- Scholarly Digital Projects:
    - born-digital scholarly publication
    - scholarly website
    - digital resource or tool that includes interpretive content

Pre-Application Webinar: A pre-recorded webinar will be posted to the program resource page by August 23, 2024, 11:59 PM Eastern time.

Link to Additional Information: https://www.neh.gov/grants/research/collaborative-research-grants

5. Science and Technology Centers: Integrative Partnerships, NSF

Application Deadline:

- **Preliminary Proposal:** November 20, 2024
- **Full Proposal (by invitation):** June 2, 2025

Award Amount: budgets are not limited, but need to reflect the actual needs of the proposed project

The Science and Technology Centers (STC): Integrative Partnerships-Discovery and Innovation to Address Vexing Scientific and Societal Challenges program supports exceptionally innovative, complex research and education projects that require large-scale, long-term awards. STCs focus on creating new scientific paradigms, establishing entirely new scientific disciplines, and developing transformative technologies that have the potential for broad scientific or societal impact. STCs conduct world-class research through partnerships among institutions of higher education, national laboratories, industrial organizations, other public and private entities, and via international collaborations, as appropriate.

The STC program supports potentially groundbreaking investigations at the interfaces of disciplines and/or highly innovative approaches within disciplines. When appropriate, teams are encouraged to embrace convergence to achieve deep integration across disciplines and sectors. STCs may involve any area of science and engineering that NSF supports. STCs exploit opportunities in science, engineering, and technology where the complexity of the research agenda requires the duration, scope, scale, flexibility, and facilities that center support can provide. They catalyze U.S. leadership in research in a world in which discovery, learning, and innovation enterprises are increasingly interconnected and increasingly global. Centers offer the science and engineering community a venue for developing effective mechanisms to integrate scientific and technological research and education activities; to explore better and more effective ways to educate students; to broaden participation of underrepresented groups in science, mathematics and engineering as well as under-resourced institutions; and to ensure the timely transfer of research and education advances made in service to society. STC lead and partner organizations work together as an integrated whole to achieve the shared research, education, broadening participation, and knowledge-transfer goals of the Center. The STC program seeks to ensure a diverse portfolio of talent, skills, abilities and experience at centers including diversity among types of institutions leading centers and diversity amongst center directors.

Objectives of the STC Program are to:

- Support potentially groundbreaking investigations at the interfaces of disciplines or highly innovative approaches within disciplines.
- Support research and education of the highest quality, in a center-based environment, where the whole is greater than the sum of its parts.
- Exploit opportunities in science, education, engineering and/or technology where the complexity of the research agenda requires the advantages of scope, scale, flexibility, duration, equipment, and facilities that a Center can provide.
- Support the creation of new scientific paradigms, establishment of new scientific disciplines, and development of transformative technologies.
- Foster science and engineering in service to society.

- Engage and develop the Nation's intellectual talent, including groups underrepresented in science, mathematics and engineering, in the conduct of research and education activities.
- Increase the participation of minority-serving institutions in center-scale science and engineering research.
- Promote organizational connections and linkages within and among campuses, and beyond (e.g.,K-12 educational institutions; state, local and Federal agencies, national labs, industry, and international collaborations), capitalizing upon cyberinfrastructure, communication technologies and other modern advances to facilitate these linkages.
- Focus on integrative learning and discovery and the preparation of U.S. students for a broad set of career paths.
- Support research collaborations that energize the Nation's economic competitiveness, sustain its global leadership in science and engineering, expand the geography of innovation, and improve the quality of life for everyone.

An STC typically comprises a lead institution and several partners. The lead institution accepts overall management and budgetary responsibility for the proposed Center and is responsible for oversight of sub-awards to partner institutions. The partners comprising an STC share a common research vision and work on developing sustainable collaborations while jointly pursuing highly innovative research pathways to address deep scientific questions or pressing societal needs.

The STC program seeks to support impactful higher education activities directed toward the development of a globally engaged workforce of scientists, engineers, and citizens that represent the full spectrum of diverse talent that society has to offer and is well-prepared for a broad set of career paths. The education goals of an STC may address the needs of students participating in the Center's research activities or students in broader fields of research represented by the STC activities. STCs are encouraged to focus their education efforts on specific programs that are appropriately integrated into the research activities of the Center rather than attempting to be comprehensive. Education programs and activities should be developed in the context of current education research and be monitored through a formal evaluation effort.

Each STC must:

- Be focused on exceptionally innovative, complex research and education projects that require large-scale, long-term funding.
- Be based at an institution of higher education which assumes responsibility for oversight of sub-awards to all other partner institutions.
- Be directed by a faculty member with experience in leading research teams.
- Demonstrate institutional commitment to achieving strategic goals that are shared by the lead and other partnering institutions.
- Establish multi-institutional collaborations or linkages with other universities/colleges, national laboratories, research museums, private sector research laboratories, state and local government organizations, and international collaborations, as appropriate.
- Develop a management plan that integrates the research, education, broadening participation, and knowledge transfer activities across all partners and affiliates.
- Incorporate teams at all organizational levels of the Center that represent the full spectrum of diverse talent that society has to offer and include members of groups underrepresented in STEM.
- Provide research and education opportunities for U.S. graduate and undergraduate students, postdoctoral researchers and faculty that will result in outcomes consonant with the Center's goals.
- Facilitate knowledge transfer through significant intellectual exchange between the Center and various types of institutions and organizations (e.g., nonprofit organizations; national laboratories; industry; Federal, state, and local governments).
- Establish and convene at least annually an External Advisory Committee to provide guidance, advice, and oversight.

Link to Additional Information: https://new.nsf.gov/funding/opportunities/science-technology-centers-integrative/nsf24-594/solicitation

6. Postdoctoral Research Fellowships in Biology (PRFB), NIH

Application Deadlines: November 7, 2024
Award Information: total fellowship amount is $90,000 per year (stipend of $70,000 for stipend and $20,000 for research and training)

BIO offers Postdoctoral Research Fellowships in Biology to provide opportunities for scientists early in their careers who are ready to assume independence in their research efforts and to obtain training beyond their graduate education in preparation for scientific careers, to gain research experience in collaboration with established scientists, and to broaden their scientific horizons. Fellowships are further designed to assist new scientists to direct their research efforts beyond traditional disciplinary lines and to avail themselves of unique research resources, sites, and facilities, including international locations. Fellows must affiliate with appropriate research institutions and are expected to devote themselves full time to the fellowship activities for the duration of the fellowship. The fellowships have both research and training goals. The program welcomes submission of proposals to this funding opportunity that include the participation of the full spectrum of diverse talent in STEM.

Currently, BIO offers Postdoctoral Research Fellowships in Biology in the following three areas:

1. **Competitive Area 1. Broadening Participation of Groups Underrepresented in Biology**

   These fellowships have been offered since 1990, originally as the NSF Minority Postdoctoral Research Fellowships, to increase the participation of underrepresented groups in biology. Through this Competitive Area BIO seeks to increase the diversity of scientists explicitly at the postdoctoral level in biology. The program supports a wide range of biological research and training across the full range of BIO's research programs.

2. **Competitive Area 2. Integrative Research Investigating the Rules of Life Governing Interactions Between Genomes, Environment and Phenotypes**

   Through this Competitive Area, BIO aims to stimulate creative integration of diverse subdisciplines of biology using combinations of observational, experimental, theoretical, and computational approaches to discover underlying principles operating across hierarchical levels of life, from biomolecules to organisms to ecosystems. Research activities under this Competitive Area should lead to new understanding of how higher-order structures and functions of biological systems result from the interactions of heterogeneous biological components, as shaped by the environment and evolutionary processes furthering predictive capability of how key properties and mechanisms of living systems emerge from the interactions of genomes, environments, and phenotypes.

3. **Competitive Area 3. Plant Genome Postdoctoral Research Fellowships**

   This Competitive Area allows recipients to focus their studies on genome-scale research at the frontier of plant biology and of broad societal importance. The research and training plan of each fellowship must address important scientific questions within the scope of the goals of the Plant Genome Research Program - to provide tools and knowledge to solve intractable, challenging biological questions, revolutionize agriculture, address fundamental societal issues, advance the bioeconomy and build a scientifically engaged population. The program has a broad scope and supports studies of plants across the kingdom. Highly competitive proposals will describe interdisciplinary training and research on a genome-wide scale to provide new insights into plant processes.

General description of BIO Postdoctoral Fellowships:

A. **Appropriateness for BIO and Program Priorities -** For Competitive Area 1, a research and training plan with a focus within the scope of any of the core programs in BIO is eligible for support. Further restrictions apply for Competitive Areas 2 and 3 (see details in the descriptions of those competitive areas). Proposers are highly encouraged to contact one of the cognizant Program Officers to discuss the appropriateness of their research, training, or broader impacts plans under these Competitive Areas prior to submission.

B. **Location of Work -** Research and training supported by these fellowships may be conducted at any appropriate U.S. or international host institution. Appropriate U.S. organizations include IHEs, private nonprofit institutes and museums, government agencies and laboratories, and, under special conditions and with prior approval from a Program Officer, for-profit organizations. Appropriate international institutions include IHEs and private non-profit institutes and organizations.

C. **The Sponsoring Scientist(s) -** The Fellow must affiliate with a host institution(s) at all times during the entire tenure of the fellowship and select a sponsoring scientist(s) whom the Fellow will collaborate with and who will provide mentoring for both the research and training proposed by the fellow. The proposer is responsible for making prior arrangements with the host institution and sponsoring scientist(s). Regardless of the number of sponsors or locations, the fellowship proposal requires a single sponsoring scientist statement. When more than one sponsor is proposed, one must be named lead sponsor and information from all sponsors must be integrated into a single statement. Likewise, if more than one site is proposed, the sponsoring scientist statement must integrate all sponsors and locations in a single statement.

Link to Additional Information: https://new.nsf.gov/funding/opportunities/postdoctoral-research-fellowships-biology-prfb/nsf24-593/solicitation

7. Strengthening Program Evaluation Capacity: Building Evidence of Effectiveness of Strategies To Increase Postsecondary Student Success, Department of Education

Application Deadline: November 14, 2024
Estimated Range of Awards: up to $1,000,000 for a duration of up to three years

Purpose of Program
In awarding grants under this program, the Institute of Education Sciences (IES) intends to build individual and organizational capacity to conduct high-quality evaluations of education interventions that are designed in accordance with evaluation standards identified by IES's What Works Clearinghouse (see https://ies.ed.gov/ncee/wwc/Handbooks). Sponsored by IES's National Center for Education Evaluation and Regional Assistance (NCEE), this program supports NCEE's larger mission to encourage the conduct and use of scientifically valid education research and evaluation throughout the United States.

NCEE is announcing one competition under its Strengthening Program Evaluation Capacity (SPEC) program: Building Evidence of Effectiveness of Strategies to Increase Postsecondary Student Success (PS) Network (ALN 84.429A). Through this program, IES is seeking evaluation teams to join the new Building Evidence of Effectiveness of Strategies to Increase Postsecondary Student Success (SPEC–PS) Network.

Evaluation teams will:

1) engage in a series of IES-sponsored technical assistance activities that will strengthen their capacity to design and conduct rigorous evaluations of a proposed postsecondary student success intervention.
2) implement the proposed intervention at more than one institution that participates in programs authorized by Title IV of the Higher Education Act of 1965 (HEA; 20 U.S.C. 1001 et seq.).
3) conduct an independent evaluation of the intervention once implemented that includes an examination of the impact of the intervention on HEA program participants.

Evaluation teams must consist of employees at (1) State higher education agencies and/or (2) consortia of 2-year or 4-year institutions of higher education. Interventions proposed to be implemented and evaluated under this grant program must be allowable under one or more programs authorized by the HEA (20 U.S.C. 1001 et seq.) and the evaluations must examine the impact of the intervention on HEA program participants. Additional information, including about eligible evaluation teams and interventions, is provided in the request for applications (RFA).

Link to Additional Information: https://www.govinfo.gov/content/pkg/FR-2024-08-15/pdf/2024-18275.pdf

8. Museum Grants for American Latino History and Culture, IMLS

Application Deadline: November 15, 2024
Award Amount: range from $5,000 - $500,000 for a duration of one to three years

The Museum Grants for American Latino History and Culture (ALHC) program supports projects that build the capacity of American Latino history and culture museums to serve their communities, and broadly advance the growth and development of a professional workforce in American Latino cultural institutions.

Projects designed to build the capacity of American Latino history and culture museums may involve:

- efforts to serve the public through exhibitions
- educational/interpretive programs
- digital learning resources
- policy development and institutional planning
- technology enhancements
- professional development
- community outreach
- audience development
- collections management, curation, care, and conservation.

We expect ALHC projects to reflect a thorough understanding of current practice and knowledge about the subject matter and generate measurable results that tie directly to the need or challenge addressed.

Projects that advance the growth and development of a professional workforce may involve internships and fellowships at American Latino museums for students enrolled in Institutions of Higher Education, including Hispanic-Serving Institutions (HSIs) and professional development opportunities that reach a broad spectrum of those working in American Latino museums.

Goals and Objectives:

- **Goal 1: Build the capacity of American Latino museums to serve their communities.**
  - Objective 1.1 Support the development, enhancement, and expansion of public programs, exhibitions, and/or school programs in American Latino museums.
  - Objective 1.2 Support the growth and development of museum professionals at individual American Latino museums.
  - Objective 1.3 Support the development of management practices and institutional policies and plans that advance the organizational health of American Latino museums.
  - Objective 1.4 Support the management and care of collections in American Latino museums.

- **Goal 2: Advance the growth and development of a professional workforce in American Latino institutions.**
  - Objective 2.1 Support new or existing museum-based internship and fellowship programs for students pursuing studies relating to American Latino life, art, history, and culture.
  - Objective 2.2 Support the creation of training and professional development programs, tools, or resources that build the knowledge, skills, and abilities of staff and/or volunteers at American Latino museums.
  - Objective 2.3 Support forums that convene experts and stakeholders, including those from adjacent fields as appropriate, to explore current and emerging issues that affect the American Latino museums sector.
  - Objective 2.4 Support the development and dissemination of tools and resources that serve the American Latino museums sector.

Link to Additional Information: https://www.imls.gov/grants/available/museum-grants-american-latino-history-and-culture

9. National Science Foundation Research Traineeship Program, NSF

Application Deadline: November 14, 2024
Award Amount:

- **NRT Track 1:** up to $3,000,000 for a duration of up to five years
- **NRT Track 2:** up to $2,000,000 for a duration of up to five years
- **NRT Track 2 Planning Grants:** up to $100,000 per year (including indirect costs) for a duration of up to two **years**

The NRT Program is dedicated to shaping and supporting highly effective training of STEM graduate students in high priority interdisciplinary or convergent research areas through the use of comprehensive traineeship models that are innovative, evidence-based, and aligned with changing workforce and research needs. The goals of the program are to:

- Catalyze and advance cutting-edge interdisciplinary or convergent research in high priority areas;
- Increase the capacity of U.S. graduate programs to produce diverse cohorts of interdisciplinary STEM professionals with technical and transferable professional skills for a range of research and research-related careers within and outside academia; and
- Develop innovative approaches and knowledge that will promote transformative improvements in graduate education.

Creation of sustainable programmatic capacity at institutions is an expected outcome. Consequently, all proposals should describe mechanisms to institutionalize effective training elements after award expiration and provide appropriate documentation of institutional support for such efforts.

NRT Traineeship and Trainees

NRT traineeships are dedicated to the comprehensive development of graduate students as versatile STEM professionals for a range of research and research-related careers within and outside academia. Accordingly, proposals should focus on and demonstrate strong commitment to technical and professional training of STEM graduate students that emphasizes research training and extends beyond into other aspects of students' professional development. Specifically, NRT projects are expected to develop trainees' technical skills broadly, including facility and/or familiarity with the techniques, languages, and cultures of fields integral to the interdisciplinary or convergent research theme; foster the development of transferable professional skills; and provide trainees with mentoring and vocational counseling from professionals who have the backgrounds, experience, and skills to advise trainees on how to prepare for a variety of STEM career pathways.

NRT is intended to benefit a population of STEM graduate students including and beyond those students who receive an NRT stipend. An NRT trainee is thus defined as a STEM graduate student who is accepted into an institution's NRT program and completes the required NRT elements (e.g., courses, workshops, projects, and other training activities specific to the NRT experience) set by the program regardless of whether they receive an NRT stipend or are funded by other sources. To further maximize the number of students benefiting from NRT activities, selected NRT program elements (for example, professional development opportunities) should be made available to other STEM graduate students who are not NRT trainees.

NRT trainees must be master's and/or doctoral STEM students in a research-based degree program that requires a thesis or dissertation. If an NRT proposal from an institution includes both master's and doctoral students, the proposal should identify any differences in NRT program requirements, as well as mechanisms to foster the development of a collective NRT graduate student community. NRT stipends and support for customary costs of education (tuition and required fees) are limited to U.S. citizens, nationals and permanent residents. However, international students can participate as non-stipend-supported NRT trainees or as non-trainees.

Program Tracks

- Track 1 proposals may request a total budget of up to $3 million (up to five years in duration) for projects with a focus on STEM graduate students in research-based PhD and/or master's degree programs. All Institutions of Higher Education (IHEs) accredited in, and having a campus located in the US, acting on behalf of their faculty members and that award a research-based master's degree and/or a doctoral degree in STEM disciplines supported by the U.S. National Science Foundation are eligible to apply to Track 1.

- Track 2 proposals may request a total budget of up to $2 million (up to five years in duration) for projects with a focus on STEM graduate students in research-based PhD and/or master's degree programs. Eligibility to submit to Track 2 is limited to non-R1 Institutions of Higher Education (IHEs) accredited in, and having a campus located in the US, acting on behalf of their faculty members, that award a research-based master's degree and/or a research-based doctoral degree in STEM disciplines supported by the U.S. National Science Foundation. Such institutions include Master's Colleges and Universities that award fewer than 20 research/scholarship doctoral degrees per year, Doctoral/Professional Universities (D/PU) that award fewer than 20 research/scholarship doctoral degrees per year, and Doctoral Universities: High Research Activity (R2, as defined in the Carnegie classification of higher education institutions).

Track 2 Planning Proposals

In addition to the tracks described above, the NRT program encourages submission of planning proposals to facilitate collaborative trans-disciplinary and training activities in anticipation of submission of Track 2 proposals.

To be eligible for submission of a planning proposal or receipt of a planning award, the submitting institution must be eligible to submit a proposal in response to this program solicitation. Track 2 planning proposals may be submitted outside the deadline dates specified in the solicitation by following the process outlined below.

Before preparing and submitting a planning proposal, the PI must contact an NRT Program Officer to provide a concept outline of the project and to discuss the types of activities for which funding would be requested in the proposal. If approved, the NRT Program Officer will invite submission of the planning proposal by email.

Link to Additional Information: https://new.nsf.gov/funding/opportunities/us-national-science-foundation-research/nsf24-597/solicitation

10. Mid-scale Research Infrastructure-1 (Mid-scale RI-1), NSF

Application Deadline:

- **Preliminary Proposal:** November 18, 2024
- **Invited Full Proposal:** March 19, 2025

Award Amount:

- **M1:IP:** range from $4 million to $20 million
- **M1:DA:** range from $400,000 to $20 million

The goal of Mid-scale RI-1 is the fulfillment of a research community-defined need that enables current and next-generation U.S. researchers to be competitive in a global research environment. In order to solve the most pressing scientific and societal problems of the day (such as those called out in National Academies reports and decadal surveys, identified through research community planning and prioritizing exercises, or called out as other national priorities), the use of new technologies, techniques, and concepts is encouraged in this competition. Mid-scale RI-1 focuses on innovative, potentially transformative projects. The scientific justification should demonstrate how the proposed infrastructure provides more advanced research capabilities relative to what is generally available to the general U.S. research community; investigators whose preliminary proposals are for capabilities similar to those currently available to the U.S. research community are unlikely to be invited to submit full proposals. With the exception of design awards,

infrastructure acquired or developed with support from the Mid-scale RI-1 Program is expected to be operational by the end of the award period to enable the research for which the infrastructure was proposed.

All proposals should show the project's value and benefit to the U.S. science community. Examples of benefit include, but are not limited to, new and unique research capability, broad access to research infrastructure, dedicated community observing time on the infrastructure, access to unique data products and software, and cooperation and sharing of technology with other projects. Proposals for infrastructure that are part of a larger project must clearly state the impact of the proposed infrastructure on the project and the benefit to the U.S. research communities that NSF supports.

Mid-scale projects represent opportunities to expand participation in instrument/infrastructure design and implementation within STEM fields and train not only the next generation of users, but also the creators of cutting-edge new capabilities in science, engineering and technology. As such, student training and involvement of a diverse workforce in mid-scale infrastructure development, implementation and/or associated data management processes are expected. To maximize the impact of Mid-scale RI-1 investments, proposals must not only focus on innovative, potentially transformative research infrastructure, but also on the opportunities the project's design or implementation presents to expand diversity and student training in all aspects of the project.

Examples of projects that may be supported by Mid-scale RI-1 include, but are not limited to, infrastructure that supports high-priority research experiments or campaigns, major cyberinfrastructure that addresses community and national-scale computational and data-intensive science and engineering research, major shared community infrastructure and resources as may be required to enable community-scale research and upgrades and/or major new infrastructure for existing facilities.

Guidance on Proposals for Research Cyberinfrastructure Projects: The Mid-scale RI-1 program will consider proposals for research cyberinfrastructure (CI) projects that aim to significantly enable new science and engineering research at national and international scales. Such research CI proposals must be strongly driven by the identified research needs of one or more science and engineering communities supported by NSF, advance the Nation's holistic research cyberinfrastructure ecosystem, and comprise innovative technical and operational objectives. Proposals that specifically focus narrowly on data storage or seek to support broadly provisioned high-performance computing resources will not be supported by the Mid-scale RI-1 program.

To organize the diverse range of projects expected across the research areas supported by NSF, with differing project types and costs, Mid-scale RI-1 proposals are divided into the following two categories. Specification of the project type should appear in the proposal title (see Section V.A).

1. **Mid-scale RI-1: Implementation Projects (M1:IP) (e.g., Acquisition, Assembly, Construction and Commissioning)**

   The infrastructure resulting from implementation projects may be a) such as to enable well-defined, limited-term research experiments with broad community buy-in and shared data resources and/or b) shared-use, mid-scale infrastructure for broad community use. M1:IP provides for acquiring, assembling, constructing and commissioning mid-scale infrastructure e.g., at labs, facilities or in the field, but does not support the construction or operations of labs/facilities or the science or operations undertaken with the infrastructure.

2. **Mid-scale RI-1: Design Activities (M1:DA)**

   Design activities are intended to prepare for the implementation of future mid-scale range projects. Only M1:DA activities may ask for less than $4 million. The minimum M1:DA budget request is $400,000, with the upper request for M1:DA being the maximum allowable Mid-scale RI-1 request up to but not including $20 million as needed to prepare for a future mid-scale range implementation project. While Mid-scale RI-1 will not support early phase Research and Development to addresses technological issues that are appropriate for funding through regular research programs, the program may consider prototypes on a case-by-case basis. Successful award of a

Mid-scale RI-1 design activity does not imply NSF's commitment to future implementation of that project, and hence the acquisition or development of long-lead items will not be considered as part of design activities. Projects supported through the M1:DA track that elect to submit to future NSF competitions for implementation will be competing against all other proposals in any competition.

Prospective principal investigators (PIs) with questions should contact the Mid-scale RI-1 program team as listed on the Mid-scale RI-1 website.

Link to Additional Information: https://www.imls.gov/grants/available/national-leadership-grants-libraries

Scholarships and Fellowships

1. Scholarships for Institutions of Higher Education that Offer Bachelor's Degrees, Nuclear Regulatory Commission

The primary objective is to support scholarships for nuclear and/or STEM-related disciplines to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities, the safe handling of nuclear materials, and the NRC's need for highly skilled information technology specialist, and financial specialist. The discipline supported by this funding is intended to benefit the nuclear safety and security sector broadly.

This is a three-year program exclusively for institutions of higher education that offer bachelor's degrees. This includes universities as well as those Community Colleges that offer 4-year bachelor's degrees, and it does not include trade schools. Scholarship funds may be requested for up to $200,000.00 total costs (direct costs and facilities and administrative costs) for the grant period.

Link to Additional Information: https://www.grants.gov/search-results-detail/356036

2. Scholarships for Institutions of Higher Education that are Trade Schools or Community Colleges that offer Certificate Programs or Associate's Degrees, Nuclear Regulatory Commission

The primary objective is to provide eligible Trade Schools and Community Colleges scholarships that prepare and assist low-income individuals, first-generation college students, individuals with disabilities, and other learners who are enrolled in an approved program leading to apprenticeships, employment, licensure, job skill enhancement, technical or vocational education, or completion of prerequisites needed for transition through undergraduate and graduate academic pipelines in areas such as science, engineering, health physics, cybersecurity, mathematics, accounting or other STEM-related disciplines and trade occupations (e.g., construction welding), or participate in experiential education that prepares learners for entry-level positions, apprenticeships or successful careers immediately after graduation, which support fields determined important to the mission of the Nuclear Regulatory Commission.

This is a two- (2) year program exclusively for institutions of higher education that are either Trade Schools or Community Colleges that offer certificate programs or Associate's degrees. Trade School and Community College funds may be requested for up to $150,000.00 total costs (direct costs and associated facilities and administrative costs) for the grant period. A scholarship student may not receive more than $5,000.00 per year or exceed $10,000.00 over the 2-year grant period.

Link to Additional Information: https://www.grants.gov/search-results-detail/356036

3. Fellowship, Nuclear Regulatory Commission

The primary objective is to support fellowships for nuclear and/or STEM-related disciplines to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities, the safe handling of nuclear materials, and the NRC's need for highly skilled information technology specialists, and financial specialists. The

discipline supported by this funding is intended to benefit the nuclear safety and security sector broadly.

This is a four-year program exclusively for institutions of higher education that offer Master and Doctoral degrees. Fellowship funds may be requested for up to $400,000.00 total costs (direct costs and facilities and administrative costs) for the project period.

Link to Additional Information: https://www.grants.gov/search-results-detail/356036

Forecasted Opportunities

1. Humanities Collections and Reference Resources, NEH

This program supports projects that facilitate the discovery and use of humanities collections for research, teaching, and public engagement. Primary activities include digitizing and describing collections, as well as creating reference resources to synthesize humanities information.

Link to Additional Information: https://www.grants.gov/search-results-detail/355689

2. Behavioral Health Workforce Education and Training Program for Professionals, HRSA

The purpose of the BHWET Program for Professionals is to increase the supply of behavioral health professionals while also improving distribution of a quality behavioral health workforce and thereby increasing access to behavioral health services. A special focus is placed on the knowledge and understanding of children, adolescents, and transitional-aged youth at risk for behavioral health disorders.

Link to Additional Information: https://www.grants.gov/search-results-detail/355772

3. Graduate Psychology Education Program, HRSA

The purpose of this program is to train doctoral health service psychology students, interns, and postdoctoral residents in integrated, interdisciplinary behavioral health for placement into community-based primary care settings in high need and high demand areas. The program also supports faculty development in health service psychology.

Link to Additional Information: https://www.grants.gov/search-results-detail/355771

4. Scholarships for Disadvantaged Students, HRSA

The Scholarships for Disadvantaged Students (SDS) program increases diversity in the health professions and nursing workforce by providing awards to eligible health professions schools for use in awarding scholarships to students from disadvantaged backgrounds who have financial need, including students who are members of racial and ethnic minority groups. The SDS program aims to increase the: 1) number of graduates practicing in primary care, 2) enrollment and retention of full-time students from disadvantaged backgrounds including students who are members of racial and ethnic minority groups, and 3) number of graduates working in medically underserved communities.

Link to Additional Information: https://www.grants.gov/search-results-detail/355780

5. Nursing Workforce Diversity, HRSA

The purpose of the Nursing Workforce Diversity program is to strengthen and expand the comprehensive use of evidence-based strategies shown to increase nursing education opportunities for individuals from disadvantaged backgrounds, including racial and ethnic minorities underrepresented among registered nurses in schools of nursing.

Link to Additional Information: https://www.grants.gov/search-results-detail/355776

Proposals Accepted Anytime

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

2. Computational and Data-Enabled Science and Engineering in Mathematical and Statistical Sciences, NSF
   https://beta.nsf.gov/funding/opportunities/computational-and-data-enabled-science-and-engineering-mathematical-and

3. Condensed Matter and Materials Theory (CMMT), NSF
   https://www.nsf.gov/pubs/2022/nsf22610/nsf22610.htm#pgm_desc_txt
4. Division of Materials Research: Topical Materials Research Programs (DMR: TMRP), NSF
   https://www.nsf.gov/pubs/2022/nsf22609/nsf22609.htm

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

6. Computer and Information Science and Engineering (CISE): Core Programs, NSF – Small Projects
   https://www.nsf.gov/pubs/2022/nsf22631/nsf22631.htm

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

8. Cybersecurity Innovation for Cyberinfrastructure (CICI), NSF
   https://www.nsf.gov/pubs/2023/nsf23532/nsf23532.htm

9. Division of Molecular and Cellular Biosciences Core Programs (MCB), NSF
   https://new.nsf.gov/funding/opportunities/division-molecular-cellular-biosciences-core/nsf24-539/solicitation

10. Division of Integrative Organismal Systems Core Programs, NSF
    https://www.nsf.gov/pubs/2023/nsf23547/nsf23547.htm

11. Electronics, Photonics and Magnetic Devices (EPMD), NSF
    https://beta.nsf.gov/funding/opportunities/electronics-photonics-magnetic-devices-epmd-0

12. Plant Genome Research Program (PGRP), NSF
    https://www.nsf.gov/pubs/2023/nsf23559/nsf23559.htm#elig

13. Communications, Circuits, and Sensing-Systems (CCSS), NSF
    https://beta.nsf.gov/funding/opportunities/communications-circuits-sensing-systems-ccss-0

14. Fluid Dynamics, NSF
    https://beta.nsf.gov/funding/opportunities/fluid-dynamics-2

15. Biophotonics, NSF
    https://beta.nsf.gov/funding/opportunities/biophotonics-2

16. Environmental Sustainability, NSF
    https://beta.nsf.gov/funding/opportunities/environmental-sustainability-2

17. Particulate and Multiphase Processes, NSF
https://beta.nsf.gov/funding/opportunities/particulate-multiphase-processes-2

18. Interfacial Engineering, NSF
https://beta.nsf.gov/funding/opportunities/interfacial-engineering-0

19. Nanoscale Interactions, NSF
https://beta.nsf.gov/funding/opportunities/nanoscale-interactions-0

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

21. Infrastructure Innovation for Biological Research (Innovation), NSF
https://www.nsf.gov/pubs/2023/nsf23578/nsf23578.htm

22. Infrastructure Capacity for Biological Research (Capacity), NSF
https://www.nsf.gov/pubs/2023/nsf23580/nsf23580.htm

23. Energy, Power, Control, and Networks (EPCN), NSF
https://new.nsf.gov/funding/opportunities/energy-power-control-networks-epcn-0

24. Engineering of Biomedical Systems, NSF
https://new.nsf.gov/funding/opportunities/engineering-biomedical-systems-0

25. Catalysis, NSF
https://new.nsf.gov/funding/opportunities/catalysis-2

26. Process Systems, Reaction Engineering, and Molecular Thermodynamics, NSF
https://new.nsf.gov/funding/opportunities/process-systems-reaction-engineering-molecular-2

27. Disability and Rehabilitation Engineering (DARE), NSF
https://new.nsf.gov/funding/opportunities/disability-rehabilitation-engineering-dare-2

28. Cellular and Biochemical Engineering, NSF
https://new.nsf.gov/funding/opportunities/cellular-biochemical-engineering-0

29. Facility and Instrumentation Request Process (FIRP), NSF
https://www.nsf.gov/pubs/2023/nsf23602/nsf23602.htm

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

31. Secure and Trustworthy Cyberspace (SaTC), NSF
https://www.nsf.gov/pubs/2024/nsf24504/nsf24504.htm

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

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

Announcing Previous Important Funding Opportunities

1. Cyber-Physical Systems (CPS), NSF
   Submission Window Date(s): June 01, 2024 - May 31, 2025 (Small & Medium); Aug 14 - Sept 3, 2024 (Frontier)
   https://new.nsf.gov/funding/opportunities/cyber-physical-systems-cps/nsf24-581/solicitation

2. Agriculture and Food Research Initiative Competitive Grants Program Education and Workforce Development, USDA / NIFA
   Deadline: see website
   https://www.nifa.usda.gov/grants/funding-opportunities/agriculture-food-research-initiative-education-workforce-development

3. Dialogues on the Experiences of War, NEH
   Deadline: August 1, 2024 (Optional Draft); September 17, 2024 (FP)
   https://www.neh.gov/grants/education/dialogues-the-experience-war

4. Biodiversity on a Changing Planet (BoCP), NSF
   Deadline: September 5, 2024
   https://new.nsf.gov/funding/opportunities/biodiversity-changing-planet-bocp/nsf24-574/solicitation

5. University Nuclear Leadership Program, Scholarship and Fellowship Education Grant, Distinguished Faculty Advancement Grant, and Trade School and Community College Scholarship Grant FY 2024, U.S. Nuclear Regulatory Commission
   Deadline: September 6, 2024
   https://www.grants.gov/search-results-detail/355612

6. Materials to Enhance Training in Experimental Rigor (METER) (UE5 - Clinical Trial Not Allowed), NIH
   Deadline: September 9, 2024 (LOI); October 10, 2024 (FP)
   https://grants.nih.gov/grants/guide/rfa-files/RFA-NS-25-002.html

7. IUSE/Professional Formation of Engineers: Revolutionizing Engineering Departments (IUSE/PFE: RED), NSF
   Deadline: September 10, 2024
   https://new.nsf.gov/funding/opportunities/iuseprofessional-formation-engineers/nsf24-564/solicitation

8. Hispanic Serving Institutions: Equitable Transformation in STEM Education (ETSE), NSF
   Deadline: September 11, 2024
   https://new.nsf.gov/funding/opportunities/hispanic-serving-institutions-equitable/nsf24-578/solicitation

9. Education Research and Special Education Research Grant Programs, Dept. of Education
   Deadline: September 12, 2024
   https://www.govinfo.gov/content/pkg/FR-2024-05-28/pdf/2024-11650.pdf

10. Probability, NSF
    Deadline: September 17, 2024
    https://new.nsf.gov/funding/opportunities/probability

11. Precision Mental Health: Develop Tools to Inform Treatment Selection in Depression (UG3/UH3 Clinical Trial Optional), NIH
    Deadline: September 18, 2024 (LOI); October 18, 2024 (FP)
    https://grants.nih.gov/grants/guide/rfa-files/RFA-MH-25-190.html

12. Mentored Career Enhancement Awards to Build Cross-Disciplinary Knowledge and Skills for Comparative Studies of Human and Nonhuman Primate Species with Differing Life Spans (K18 Clinical Trial Not Allowed), NIH
Deadline: September 20, 2024 (LOI); November 1, 2024 (FP)
https://grants.nih.gov/grants/guide/rfa-files/RFA-AG-25-028.html

13. National Leadership Grants for Libraries, IMLS
Deadline: Sept 20, 2024 (Preliminary Proposal); March 10, 2025 (Invited Full Proposal)
https://www.imls.gov/grants/available/national-leadership-grants-libraries

14. Historically Black Colleges and Universities/Minority Institutions (HBCU/MI) Program, Department of the Navy (DoN)
Deadline: September 20, 2024 (Mandatory WP); December 13, 2024 (FP by invitation only)
https://www.nre.navy.mil/work-with-us/funding-opportunities/fiscal-year-fy-2025-department-navy-don-historically-black

15. Laura Bush 21st Century Librarian Program, IMLS
Deadline: Sept 20, 2024 (Preliminary Proposal); March 10, 2025 (Invited Full Proposal)
https://www.imls.gov/grants/available/laura-bush-21st-century-librarian-program

16. Privacy-Preserving Data Sharing in Practice, NSF
Deadline: September 27, 2024
https://new.nsf.gov/funding/opportunities/privacy-preserving-data-sharing-practice-pdasp/nsf24-585/solicitation

17. National Cancer Institute Youth Enjoy Science Research Education Program (R25 Clinical Trial Not Allowed), NIH
Deadline: September 27, 2024
https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-24-026.html

18. Bridges to the Doctorate Research Training Program (T32), NIH
Deadline: September 27, 2024
https://www.nigms.nih.gov/Research/mechanisms/Pages/bridgesdoctoral.aspx

19. BRAIN Initiative: Research on the Ethical Implications of Advancements in Neurotechnology and Brain Science (R01 Clinical Trial Optional), NIH
Deadline: September 29, 2024 (LOI); October 11, 2024 (FP)
https://grants.nih.gov/grants/guide/rfa-files/RFA-MH-25-170.html

20. Advanced Scientific Computing Research (ASCR), Department of Energy
Deadline: September 30, 2024
https://science.osti.gov/ascr

21. Biological and Environmental Research (BER), Department of Energy
Deadline: September 30, 2024
https://science.osti.gov/ber

22. F24AS00431 FY24 Recovery Implementation, Fish and Wildlife Service
Deadline: September 30, 2024
https://www.grants.gov/web/grants/view-opportunity.html?oppId=350612
23. Basic Energy Sciences (BES), Department of Energy
Deadline: September 30, 2024
https://science.osti.gov/bes/

24. Fusion Energy Sciences (FES), Department of Energy
    Deadline: September 30, 2024
    https://science.osti.gov/fes/

25. Spotlight on Humanities in Higher Education, NEH
    Deadline: October 1, 2024
    https://www.neh.gov/program/spotlight-humanities-higher-education

26. Revolutionizing Innovative, Visionary Environmental Health Research (RIVER) (R35 Clinical Trial Optional), NIH
    Deadline: October 1, 2024 (LOI); November 1, 2024 (FP)
    https://grants.nih.gov/grants/guide/rfa-files/RFA-ES-24-004.html

27. Computer and Information Science and Engineering: Core Programs, NSF
    Submission Window Date(s): Oct 1, 2024 - Oct 23, 2024 (OAC Core Projects & Medium); Oct 1, 2024 – Sept 30, 2025 (Small)
    https://new.nsf.gov/funding/opportunities/computer-information-science-engineering-core/nsf24-589/solicitation

28. Advanced Technological Education, NSF
    Deadline: October 3, 2024
    https://new.nsf.gov/funding/opportunities/advanced-technological-education-ate/nsf24-584/solicitation

29. Advancement and Innovation in Measurement of Language Development and Predictors (R01 Clinical Trial Not Allowed), NIH
    Deadline: October 5, 2024
    https://grants.nih.gov/grants/guide/pa-files/PAR-24-243.html

30. Engineering Research Initiation, NSF
    Deadline: October 9, 2024
    https://new.nsf.gov/funding/opportunities/engineering-research-initiation-eri/nsf24-590/solicitation

31. Mathematical Foundations of Artificial Intelligence, NSF
    Deadline: October 10, 2024
    https://new.nsf.gov/funding/opportunities/mathematical-foundations-artificial-intelligence

32. NINDS Faculty Development Award to Promote Diversity in Neuroscience Research (K01 Independent Clinical Trial Not Allowed), NIH
    Deadline: October 12, 2024
    https://grants.nih.gov/grants/guide/pa-files/PAR-24-228.html

33. NHLBI Career Transition Award for Intramural Postdoctoral Fellows and Research Trainees (K22 Clinical Trial Required), NIH
    Deadline: October 12, 2024
    https://grants.nih.gov/grants/guide/pa-files/PAR-24-211.html

34. Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity (K99/R00 - Independent Basic Experimental Studies with Humans Required (BESH)), NIH
    Deadline: October 12, 2024
    https://grants.nih.gov/grants/guide/pa-files/PAR-24-227.html

35. Mentored Career Development Award to Promote Faculty Diversity in Biomedical Research (K01 Independent Clinical Trial Not Allowed), NIH
Deadline: October 14, 2024
https://grants.nih.gov/grants/guide/rfa-files/RFA-HL-25-009.html

36. B-INSPIRE: Research on Behavioral Interventions that Promote Careers in the Biomedical Research Enterprise (R01 - Clinical Trial Not Allowed), NIH
Deadline: October 17, 2024
https://grants.nih.gov/grants/guide/pa-files/PAR-24-230.html

37. Innovative Programs to Enhance Research Training (IPERT) (R25 Independent Clinical Trial Not Allowed), NIH
Deadline: October 17, 2024
https://grants.nih.gov/grants/guide/pa-files/PAR-24-252.html

38. Building Sustainable Software Tools for Open Science (R03 Clinical Trial Not Allowed), NIH
Deadline: November 3, 2024 (LOI); December 4, 2024 (FP)
https://grants.nih.gov/grants/guide/pa-files/PAR-24-204.html

39. PFE: Research Initiation in Engineering Formation (PFE: RIEF), NSF
Deadline: November 12, 2024
https://new.nsf.gov/funding/opportunities/pfe-research-initiation-engineering-formation-pfe

40. Education Activities for Responsible Analyses of Complex, Large-Scale Data (R25 - Clinical Trial Not Allowed), NIH
Deadline: November 18, 2024 (LOI); December 18, 2024 (FP)
https://grants.nih.gov/grants/guide/rfa-files/RFA-DA-25-039.html

41. Molecular Foundations for Sustainability: Sustainable Polymers Enabled by Emerging Data Analytics, NSF
Deadline: December 5, 2024 (LOI); January 16, 2024 (FP)
https://new.nsf.gov/funding/opportunities/molecular-foundations-sustainability-sustainable/nsf24-567/solicitation

42. Translation Project Fellowships, NEA
Deadline: January 16, 2025
https://www.arts.gov/grants/translation-project-fellowships

43. Focus on Recruiting Emerging Climate and Adaptation Scientists and Transformers, NSF
Deadline: January 29, 2025 (Track 1); April 30, 2025 (Track 2)
https://new.nsf.gov/funding/opportunities/focus-recruiting-emerging-climate-adaptation/nsf24-558/solicitation

44. NIDCR Mentored Career Development Award to Promote Broad Participation in Research (K01 Independent Clinical Trial Not Allowed), NIH
Deadline: February 12, 2025
https://grants.nih.gov/grants/guide/pa-files/PAR-25-022.html

45. Summer Research Education Experience Program (R25 Clinical Trial Not Allowed), NIH
Deadline: February 15, 2025 (LOI); March 18, 2025 (FP)
https://grants.nih.gov/grants/guide/pa-files/PAR-24-204.html

46. Science, Technology, Engineering and Mathematics (STEM), Office of Naval Research
Deadline: April 4, 2025
https://www.nre.navy.mil/work-with-us/funding-opportunities/onr-science-technology-engineering-and-mathematics-stem-program

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

48. 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

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