



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 3/19/2025 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

- **Office of Violence Against Women (OVW / DOJ)** - OVW has withdrawn all notices of funding opportunities, and you should not finalize any applications started under them.
- **National Institute of Food and Agriculture (NIFA / USDA)** - All NIFA Requests for Applications are currently under review.
- **National Institutes of Health (NIH)** – Almost all grant panel reviews are suspended. Some opportunities are closed or unavailable.
- **Environmental Protection Agency (EPA)** – All funding opportunities are currently unavailable.
- **Department of Education (USDE)** – Almost all funding opportunities are currently under review.
- **NASA** – Las oportunidades bajo el programa Research Opportunities in Space and Earth Science (ROSES) 2025 no han sido publicadas y no hay fecha para publicación.

1. Multidisciplinary Research Program of the University Research Initiative (MURI), DoD

Application Deadlines:

- **White Papers Inquiries and Questions:** April 18, 2025
- **White Papers (optional but strongly recommended):** May 2, 2025
- **Application Inquiries and Questions:** August 22, 2025
- **Applications / Full Proposal:** September 5, 2025

Award Information: each topic (ONR, ARO and AFOSR) recommended funding is \$7,500,000 for up to five years

Since its inception in 1985, the Department's MURI program has funded teams of investigators with the hope that collective insights from multiple disciplines could facilitate the cutting-edge basic research required to address the Department's unique problem sets. The MURI program complements the Department's single-investigator basic research grants and aims to make contributions to current and future needs of both the DoD and the larger scientific ecosystem.

The MURI program supports basic research in science and engineering at U.S. institutions of higher education (hereafter referred to as "universities") that is of potential interest to DoD. The program is focused on multidisciplinary research efforts where more than one traditional discipline interacts to provide rapid advances in scientific areas of interest to the DoD.

Proposals from a team of university investigators are expected when the necessary expertise in addressing the multiple facets of the topics may reside in different universities. By supporting multidisciplinary teams, the program is complementary to other DoD basic research programs that support university research through single-investigator awards. Proposals shall name one Principal Investigator (PI) as the responsible technical point of contact. Similarly, one institution shall be the primary awardee for the purpose of award execution. The PI shall come from the primary institution. The relationship among participating institutions and their respective roles, as well as the apportionment of funds including sub-awards, if any, shall be described in both the proposal text and the budget.

The complete list of topics is below. See Section I. Other Information from the Opportunity Announcement for topic descriptions and more information.

- **Air Force Office of Scientific Research (AFOSR)**
 - Topic 1: Characterization and Modeling of the Mesosphere and Lower Thermosphere
 - Topic 2: Ethical Constructs and Adaptive Learning Systems
 - Topic 3: Structured Light for High Field, High Intensity Laser-Matter Interactions
 - Topic 4: Optics with Dynamically Reconfigurable Arrays of Molecules and Atoms (OhDRAMA)
 - Topic 5: 2D/3D Heterostructures via Remote Epitaxy

- **Army Research Office (ARO)**
 - Topic 6: Fungalphabet: Deciphering the Hidden Language of Fungal Networks for Environmental Intelligence
 - Topic 7: Evolving Chemistry and Biology to Degrade Polymers with Stable Chemical Bonds
 - Topic 8: Space-time Metamaterials for Multi-dimensional Wave Transformation
 - Topic 9: Altermagnetic Topology
 - Topic 10: Ontology Engineering for Machine Learning in Open-ended Sensor, Model, User Systems
 - Topic 11: Entanglement Engineering with Holographic Duality
 - Topic 12: Curved Electromagnetic Propagation
 - Topic 13: Optimized Photonic Inference Systems

- **Office of Naval Research (ONR)**
 - Topic 14: Evaluation and Monitoring of Large-Scale Generative AI
 - Topic 15: Brain-inspired Large Neural Models for Intelligent Robots
 - Topic 16: Reading between the lines: Connecting Deep Ocean Currents & Bedform Morphology
 - Topic 17: Impacts of Aerosol Injection, Evolution, and Deposition on 3D Radiative Balance
 - Topic 18: Interfacial Thermal Energy Transduction
 - Topic 19: Inherent stability in hybrid metal halide perovskite semiconductors through understanding of in situ electrochemistry
 - Topic 20: Visual Perception and Attention for Real-Virtual Hybrid Environments
 - Topic 21: Continuous Improvement and Assessment to Achieve Autonomous Skilled Performance
 - Topic 22: Gas/Material Interactions for Ultra-high-temperature Materials in Hypersonic Flows

It is strongly recommended that Applicants communicate with the Research Topic Chiefs listed with the topic descriptions regarding these issues before the submission of formal proposals.

Link to Additional Information: <https://www.grants.gov/search-results-detail/358531>

2. Grants Program, United Engineering Foundation

Application Deadlines:

- **Concept Paper:** May 1, 2025
- **Full Proposal (by invitation only):** August 1, 2025

Award Information: \$800,000 for 5 to 10 grants per year

UEF provides funding to proposals and programs whose chief purpose is to advance engineering for the welfare of humanity. Proposals must be consistent with the mission of UEF and priorities for giving, which include programs that focus on the following areas:

- Diversity
- Emerging Technologies
- Engineering Ethics, Safety, Security and Leadership
- Kindergarten – 12th Grade Education

Preference is given to:

- Proposals for programs that are innovative and aim to integrate multiple fields and subspecialties of engineering.
- Proposals for programs that include outreach to engage the community.
- Collaborative proposals submitted on behalf of a group. Proposals which specify that grant funds will not be used to offset existing staff salaries.

Examples:

- Collaborative and interdisciplinary engineering conferences that focus on broadening access to STEM resources for underrepresented middle and high-school students interested in engineering with the goal of promoting diversity in the field.
- In-depth examination and implementation of how to educate engineering professionals and the broader engineering community on current ethical and leadership best- practices.
- Competitions that allow students to explore topics in chemical, civil, electrical, mechanical, mining, metallurgical, petroleum and other engineering disciplines through hands-on challenges or the creation of media publications.
- Workshops that focus on finding interdisciplinary engineering-based solutions to relevant world issues such as sustainability, city infrastructure, or social injustice.
- Initiatives that support diversification of the profession.
- Conduct assessment of the efforts of engineering associations, government agencies, industries, and engineering schools on content development for K-12 students and educators with emphasis on creating a collaborative environment and supporting the expanded application and reuse of existing material and activities.

For further assistance, please contact director@unitedengineeringfnd.org.

Link to Additional Information: <https://www.uefoundation.org/uef-grants-program/>

3. Basic Scientific Research, US Army Research Institute for the Behavioral and Social Sciences (ARI)

Application Deadlines: July 1, 2025

Award Amounts:

- **Standard Proposals:** up to \$750,000 for up to three years
- **Targeted Opportunities:**
 - **Early Career Proposals:** approximately \$125,000 for the initial year
 - **Short-Term Innovative Research (STIR) Proposals:** up to \$60,000 for up to one year

The mission of the Basic Research Program is to execute high-risk, high-reward foundational research to develop state-of-the-art theory, methods, and models to create the innovative concepts required to support the Army's future capabilities and needs related to personnel readiness.

We strongly encourage applicants to propose novel, state-of-the-art, and multidisciplinary approaches that address the stated high-priority research questions. A key consideration in the decision to support a research proposal is that its findings are likely to stimulate new, basic behavioral research, which in turn, will lead to improved performance of Army personnel and their units. ARI will not support proposals through this FOA that are primarily applied research projects (e.g., human factors studies, specific-use technology development and validation, or training program evaluations) or primarily focused on physiology, psychopathology, or behavioral health.

Collaboration is encouraged among institutions of higher education (IHE), non-profit organizations, and commercial organizations. Funding of basic research proposals within ARI areas of interest will be determined by funding

constraints and priorities set during each budget cycle.

A proposal should describe its potential contribution(s) to theory along with potential benefits to the Army. Those contemplating submission of a proposal are strongly encouraged to submit a white paper before submitting a proposal.

Program Description

Scientific Problems for Basic Research:

To meet the operational objectives of the U.S. Army over the next two decades, the Army must improve its capability to acquire, develop, employ, and retain Soldiers and leaders who can individually and as part of a group:

- Prepare for and adapt quickly to dynamic missions, unpredictable operational environments, and a wide spectrum of contexts.
- Effectively function autonomously and as part of larger systems in complex, information-rich environments.
- Perform in extended, hybrid, and continuous operations.
- Interact and collaborate effectively in joint-service and multi-national operations.

ARI requests proposals to conduct basic research that will provide a scientific foundation to support these broad capabilities.

The Basic Research program focuses on four strategic areas for advancing personnel science.

1. Measurement of Individuals and Collectives: Advanced psychometric theory for deriving valid measurements from complex assessments and continuous streams of data
2. Teams and Small Groups: Understanding dynamic restructuring, coordination, and composition processes in teams and promoting optimal team adaptation
3. Organizations and Systems: Multilevel theory and methods for complex organizations
4. Formal and Informal Learning and Development: Holistic models of individual and collective learning and development across work settings and contexts throughout the career span

Types of Proposals

The funding opportunity is divided into three types of proposals for basic research:

1. **Standard Proposals** - Most basic research awards are awarded in response to Standard Proposals provided by experienced researchers.
2. **Targeted Opportunities**
 - a. *Early Career Proposals* - To foster the development of innovative and creative researchers, ARI solicits proposals with primary investigators who are early in their research careers and have never received ARI funding as a Principal Investigator.

To be considered for the Early Career category:

- i. An Investigator must specify in the proposal abstract and on the proposal cover page that they are requesting consideration under this funding category.
- ii. Projects should be designed for one year of funding. Note that optional periods of research (one to two additional years) may be included in the proposal and may be funded should the initial work prove promising. These years should be denoted as optional years in the proposal.
- iii. The research must fit at least one of the stated four (4) domains of the FOA Basic Research areas of interest.

- iv. The Principal Investigator must have received their Ph.D. within five years of the time of proposal submission, and not previously received funding from ARI as a Principal Investigator.
- b. *Short-Term Innovative Research (STIR) Proposals* - The objectives of the STIR awards are to support rapid, short-term investigations to assess the merit of innovative new concepts in basic research. STIR awards provide an excellent opportunity to showcase new concepts and explore new areas in basic research. STIR awards are aimed at shaping new directions in research and the sciences.

To be considered for a Short-Term Innovative Research Award:

- i. An Investigator must specify in the proposal abstract and on the proposal cover page that they are requesting consideration under this funding category.
- ii. Projects should be designed for one year of funding.
- iii. The research must fit at least one of the stated four (4) domains of the FOA Basic Research areas of interest.
- iv. Proposals in the amount of \$60,000 or less are sought for STIR awards.
- v. Capital equipment cannot be purchased under a STIR Program award.
- vi. Due to the relatively small dollar amount and short-term nature of these awards, applicants are encouraged to maximize the benefit derived from this funding by prioritizing labor and employing other cost-saving measures in support of the STIR program effort.

General Guidelines for All Proposals. Both single-investigator and collaborative research efforts are encouraged. Multidisciplinary approaches are especially encouraged to the extent that the proposal reflects the theories, models, and approaches of multiple disciplines, combined creatively to address the research problem.

Collaborative efforts may involve researchers either at a single institution or in cooperating institutions. Highly innovative proposals addressing high-risk, high-reward topics are strongly encouraged and should include strong methodology and other risk-mitigation strategies. Theory development and/or meta-analyses that address theoretical issues in ARI research interest domains will also be considered. The use of military participants is neither necessary nor encouraged, and ARI is unlikely to arrange access to military participants to support basic research investigations. This includes provision or use of extant Army data.

Basic Research Topic Areas of Interest

Basic research aims for broad impact rather than to develop specific processes or products for targeted applications. The ARI Foundational Science Research Unit (FSRU) manages the Basic Research Program and maintains close contact with ARI's applied scientists and other relevant agencies within the Army and Department of Defense.

All proposals will be considered; however, ARI has identified the following four (4) domains as particularly germane to its basic research needs.

1. Measurement of Individuals and Collectives

Technical POC: Dr. Katherine Ciarlante, katherine.e.ciarlante.civ@army.mil

Strategic Goal: The primary goal for the Basic Research program within the Measurement of Individuals and Collectives domain is to fundamentally improve psychological testing and measurement by deriving means of enhancing testing efficiency and increasing overall precision, understanding, and prediction of individual and collective behavior and performance. To further progress to this goal, the basic research program in measurement of individuals and collectives will look to support research to a) advance psychometric theory and methods, b) understand performance and expand the criterion space, and c) expand

measurement approaches and assessment methods.

2. Teams and Small Groups

Technical POC: Dr. Alexander Wind, alexander.p.wind.civ@army.mil

Primary Objective: is to further science to support team assignment, development, and optimization reflective of emerging requirements and characteristics of teams. The Research Objectives of this area are a) advanced composition and adaptation, b) team formation, development, and reconstitution, and c) team processes and performance.

3. Organizations and Systems

Technical POC: Dr. Peter Wang, peter.p.wang.civ@army.mil

Primary Objective: is to identify means to leverage theories, methods, and models of organizational functioning to effect deliberate sustained systemic outcomes. To further progress to this goal, the program will look to support research to a) boost novel, empirical research on organizational theories; b) advance deeper or more comprehensive theories of how culture influences behavior within organizations and dynamics; and c) advance deeper or more comprehensive theories of organizational processes.

4. Formal and Informal Learning and Development

Technical POC: Dr. Kimberly Wingert, kimberly.m.wingert.civ@army.mil

Primary Goal: is to understand, support, and optimize learning and development of Soldiers and leaders through formal learning settings, operational experience, and self-development. To further progress toward this goal, the basic research program in formal and informal learning and development will look to support research to a) understand adult learning and career-long learning, b) measure and model learning, and c) promote practices and structures that support learning and development.

Link to Additional Information: <https://www.grants.gov/search-results-detail/358408>

4. Law & Science (LS), NSF

Application Deadline: August 1, 2025

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

The Law & Science Program considers proposals that address social scientific studies of law and law-like systems of rules, as well as studies of how science and technology are applied in legal contexts. The Program is inherently interdisciplinary and multi-methodological. Successful proposals describe research that advances scientific theory and understanding of the connections between human behavior and law, legal institutions, or legal processes; or the interactions of law and basic sciences, including biology, computer and information sciences, STEM education, engineering, geosciences, and math and physical sciences. Scientific studies of law often approach law as dynamic, interacting with multiple arenas, and with the participation of multiple actors.

Fields of study include many disciplines, and often address problems including, though not limited, to:

- Crime, Violence, and Policing
- Cyberspace
- Economic Issues
- Environmental Science
- Evidentiary Issues
- Forensic Science

- Governance and Courts
- Human Rights and Comparative Law
- Information Technology
- Legal and Ethical Issues related to Science
- Legal Decision Making
- Legal Mobilization and Conceptions of Justice
- Litigation and the Legal Profession
- Punishment and Corrections
- Regulation and Facilitation of Biotechnology (e.g., Gene Editing, Gene Testing, Synthetic Biology) and Other Emerging Sciences and Technologies
- Use of Science in the Legal Processes

LS supports standard research grants, grants for collaborative research and conference awards.

Link to Additional Information: <https://www.nsf.gov/funding/opportunities/ls-law-science>

5. Humanities Initiatives at Colleges and Universities, NEH

Application Deadlines:

- **Optional Draft:** March 25, 2025
- **Full Proposal:** May 6, 2025

Award Information: up to \$150,000 for one to three years

This program strengthens the teaching and study of the humanities at institutions of higher education by developing new or improving existing humanities programs, educational resources, or coursework.

Projects must address a core topic or focused set of themes drawn from humanities areas such as history, philosophy, religion, languages and literature, or humanities-informed composition and writing skills.

The Humanities Initiatives programs support activities such as:

- Curriculum development
 - developing and/or revising a set of courses (e.g., general education courses, honors courses or programs, capstone courses)
 - creating teaching materials (e.g., course modules, readers, primary document collections, digital collections)
 - planning and piloting a major, minor, or certificate program
- Student enrichment
 - developing frameworks for sustainable humanities-focused internship programs
 - creating ongoing opportunities for hands-on, place-based, or experiential learning
 - designing programs or curricular innovations that help students understand the relevance of humanities education and make connections between the humanities, careers, and students' lives after college
- Faculty development
 - constructing pedagogy or curriculum through shared reading programs, faculty workshops, or other professional learning activities
 - organizing a series of guest speakers for faculty and community audiences

- Partnerships
 - creating bridge programs or dual enrollment programs between high school and college, or between community colleges and four-year institutions
 - collaborating with museums, libraries, or other community organizations to create classroom materials
 - producing humanities programming for students and community members

Program Outputs and Outcomes

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

- A new or revised set of courses, programs, or curricula
- Teaching materials
- Humanities-based internship or experiential-learning programs
- Faculty development programs
- Partnerships with school districts, institutions of higher education, and/or community organizations

Link to Additional Information: <https://www.neh.gov/program/humanities-initiatives-colleges-and-universities>

6. Applied Mathematics, NSF

Application Deadline Window: November 1, 2025 - November 17, 2025

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

The Applied Mathematics program supports mathematics research motivated by and contributing to the solution of problems arising in science and engineering. Successful proposals must demonstrate mathematical innovation, as well as breadth and quality of impact on applications. Projects that additionally provide opportunities for rigorous mathematical training of junior applied mathematicians through their involvement in research are encouraged. The proposals considered by the Applied Mathematics program may range from single investigator to interdisciplinary team projects.

Conferences

Proposals to the Applied Mathematics program for conferences or workshops should be submitted through the program solicitation "Conferences and Workshops in the Mathematical Sciences" (link below). Principal Investigators should carefully read the program solicitation to obtain important information regarding the substance of proposals for conferences, workshops, summer/winter schools, and similar activities.

To facilitate timely notification of the availability of support:

- Proposals for conferences, workshops, etc., to be held in the US must be submitted 8 months in advance of the conference date.
- Proposals to support group travel to meetings outside the US must be submitted 12 months in advance of the meeting date.
- Proposals for conferences, workshops, etc., whose budget request exceeds \$50,000 must be submitted during the annual November submission window.

Link to Additional Information: <https://www.nsf.gov/funding/opportunities/applied-mathematics>

7. Future Manufacturing (FM), NSF

Application Deadline: June 18, 2025

Anticipated Funding Amount: \$28,000,000 for 16 awards

Future Manufacturing supports fundamental research and education that will enable new manufacturing approaches to eliminate scientific technological, educational, economic, and social barriers that limit current manufacturing. Proposals should provide examples of how the research results could lead to transformational manufacturing advances that address significant problems. The research may be use-inspired, strongly motivated by the need to create knowledge or know-how to help develop practical solutions to address societal challenges. Proposals should provide a vision statement describing the new manufacturing capabilities that could be enabled by the proposed research, and the potential industrial, economic, environmental and societal benefits. They should also describe the implications of the proposed activities on the education of a diverse and skilled technical workforce.

This Future Manufacturing solicitation will support fundamental research and education in the following two tracks:

1. **Future Manufacturing Research Grants (FMRG)** - this track will support fundamental, multidisciplinary, and integrative research and education to enable Future Manufacturing in one or more of the thrust areas described below. FMRG funding is intended to provide support for several principal investigators with complementary expertise, graduate students, senior/key personnel (including post-doctoral researchers), their collective research needs (e.g., materials, supplies and travel) and educational activities. The integrative contributions of the team should clearly be greater than the sum of the contributions of each individual member of the team.

FMRG proposals must describe the current state of art in the relevant manufacturing area and the specific challenges that will be addressed by the proposed research. They must present a compelling technical rationale and convincing technical approach to enable Future Manufacturing to address these challenges.

2. **Future Manufacturing Seed Grants (FMSG)** - this track will provide support to stimulate fundamental research and education in one or more of the thrust areas described below through multidisciplinary team building, the exploration of new fundamental research concepts or approaches, and the initiation of research and educational activities that could provide the basis for a subsequent proposal for an FMRG.

FMSG proposals should describe the building of multidisciplinary research teams that will engage community stakeholders to develop new directions in Future Manufacturing. Proposals must describe innovative and creative methods to establish new research directions and plans to demonstrate their feasibility. A variety of activities may be proposed, including pilot research projects to obtain preliminary results that could strengthen a proposal to a future solicitation, workshops, development of new partnerships, benchmarking current manufacturing capabilities on a global scale, and prototyping new educational activities. Proposals should demonstrate how the composition of the multidisciplinary team is appropriate for the scope of proposed activities.

Considerations for Proposals in Both Tracks

Successful proposals in both tracks will reflect interdisciplinary convergence research to enable new manufacturing capabilities, innovative education and workforce development plans, and research into the benefits and challenges of new manufacturing to communities, environment, the economy, and society. Proposals in both tracks will be reviewed by experts in the subject area of each proposal and may be reviewed by experts engaged to evaluate the educational and societal aspects of the proposal.

Future Manufacturing supports multidisciplinary teams with the necessary depth and breadth to explore transformative and convergent approaches addressing manufacturing challenges. This strategy toward manufacturing research and education, its emphasis on teaming, and its focus on the long-term distinguish Future Manufacturing from complementary programs at NSF.

International collaborations in both tracks are welcome, and proposers may take advantage of opportunities provided by existing NSF programs that promote international collaborations; NSF funds should be used to support only U.S.-based participants in any international collaboration.

New materials and new processes may be inextricably linked in some applications of Future Manufacturing. If new materials are involved in Future Manufacturing activities, proposals must address explicitly the coupling between those new materials and new processes that will be required to produce them and should focus on the manufacturing aspects of the process/structure/property relationship.

This solicitation focuses on three thrust areas described below. Proposals should address Future Manufacturing in one or more of the thrust areas. The discussion of each thrust area is not intended to be limiting, and examples mentioned in each area are not intended to indicate any special interest on the part of NSF in the example topics. They are presented only to illustrate possible considerations in each thrust area.

- **Future Cyber Manufacturing Research** - Research in this thrust area exploits opportunities at the intersection of computing and manufacturing with the potential to radically transform concepts of manufacturing. It anticipates new abstractions in design and manufacturing, the availability of a data infrastructure that capitalizes on the convergence of innovative sensors, actuators, devices and systems; new manufacturing approaches for semiconductor and quantum devices; low-latency and reliable secure sensing and communications; cloud and edge computing; data analytics; mathematical and computational modeling; uncertainty quantification and risk analysis; advanced controls; human-centric automation, teleoperation, and human-robot interaction; digital twins; and artificial intelligence and machine learning to increase the generality and reliability and reduce the expense of manufacturing processes and system control. Research may exploit opportunities at the intersection of quantum platforms and manufacturing with the potential to advance cyberinfrastructure with quantum computing, quantum sensing, and/or quantum communication/network technologies. Recent advances in machine learning and predictive analytics, autonomy, wireless communications, cyber-physical-human systems, the industrial internet of things, and advanced computing systems and services provide powerful incentives to rethink, reconceptualize, reinvent, and explore new possibilities for manufacturing.
- **Future Eco Manufacturing Research** - Research in this thrust area will enable holistic manufacturing processes that encompass the entire manufacturing lifecycle and account for energy consumption, health and environmental impact, and cost effectiveness. Fundamental research could enable manufacturing processes that are designed from the start to produce products that degrade naturally or on cue or can be re-purposed without harmful byproducts and without reliance on technologies that are potentially harmful to the environment and society at large. Research in this thrust area could lead to new processes or synthesis of manufacturable materials, chemicals, devices, systems, and products that enable facile and direct re-purpose, reuse, or up-cycling into environmentally benign products. As semiconductor devices have become an integral part of daily life, research in eco-friendly semiconductor manufacturing processes for future micro-/nano-electronics and quantum devices and systems could reduce environmental impacts while being cost-effective. The goal of such research in eco manufacturing is to keep resources in use as long as possible, extract their maximum value while in use, and recover materials at the end of their service life.
- **Future Biomanufacturing Research** - Research in this thrust area will enable biologically based production of therapeutic cells and molecules, chemicals, pharmaceuticals, materials, polymers, and fuels, as well as

bio-based technologies for computing, signal processing, communication, and sensing in biological, electronic, and quantum systems. Fundamental research to enable new biomanufacturing will expand knowledge in biology and engineering to create products that interact effectively and seamlessly with cells, living tissues, and synthetic substrates. In addition, the seamless integration of new biological knowledge with manufacturing technology during product and process development may overcome longstanding barriers to scalability of new types of biomanufacturing platforms. Research should uncover and exploit fundamental biological principles, including quantum sensing and imaging, to address scaling challenges in biomanufacturing that will facilitate rapid transition from benchtop to production readiness. Research in this thrust area may complement and leverage advances at NSF centers for biomanufacturing and has the potential to enable new biomanufacturing paradigms that can benefit personalized healthcare, sustainable energy, environmental sustainability, and society at large.

Link to Additional Information: <https://www.nsf.gov/funding/opportunities/fm-future-manufacturing/nsf24-525/solicitation>

8. Mid-Career Advancement (MCA), NSF

Application Deadline Window: February 1, 2026 - March 2, 2026

Anticipated Funding Amount: between \$14,000,000 to \$18,000,000 for 35 to 45 awards

The MCA program offers an opportunity for scientists and engineers at the mid-career stage (see restrictions under Additional Eligibility Information) to substantively enhance and advance their research program and career trajectory. Mid-career scientists are at a critical career transition stage where they need to advance their research programs to ensure long-term productivity and creativity but are often constrained by service, teaching, or other activities that limit the amount of time devoted to research. MCA support is expected to help lift these constraints to reduce workload inequities and enable a more diverse scientific workforce (more women, persons with disabilities, and individuals from groups that have been underrepresented) at high academic ranks.

The MCA program provides protected time, resources, and the means to gain new skills through synergistic and mutually beneficial partnerships, typically at an institution other than the candidate's home institution. Partners from outside the Principal Investigator's (PI) own subdiscipline or discipline are encouraged, but not required, to enhance interdisciplinary networking and convergence across science and engineering fields. Research projects that envision new insights on existing problems or identify new problems made accessible with cutting-edge methodology or expertise from other fields are encouraged.

A key component of a successful MCA will be the demonstration that the PI's current research program could substantively benefit from the protected time, mentored partnership(s), and resources provided through this program, such that there is a substantial enhancement to the PI's research and career trajectory, enabling scientific and academic advancement not likely without this support.

All MCA proposals must include letters from a) the partner(s) describing the nature of the collaboration and the benefits of doing so for both parties, as well as b) the departmental chairperson (or an equivalent organizational official). The 12-page Project Description of an MCA proposal must include the following three sections in addition to the other required elements as defined in the PAPPG (for example, Broader Impacts). These are described in more detail under Proposal Preparation Instructions and include:

3. Candidate's Past Research
4. Candidate's Proposed Research Advancement and Training Plan
5. Candidate's Long-Term Career Plans

The MCA is the only cross-directorate NSF program specifically aimed at providing protected time and resources to established scientists and engineers targeted at the mid-career stage. Participating programs in the Directorates for Biological Sciences (BIO), Geosciences (GEO), Social, Behavioral and Economic Sciences (SBE), and Education and Human Resources (EHR) will accept MCA proposals. To help identify the disciplinary program in which the MCA should be reviewed, PIs are urged to investigate the research areas supported by the different directorates and participating programs.

PIs are strongly encouraged to discuss the suitability of their proposal with a Program Officer from the appropriate directorate (see <https://new.nsf.gov/funding/opportunities/mca-mid-career-advancement/announcements/111199>). PIs from EPSCoR jurisdictions are especially encouraged to apply.

Link to Additional Information: <https://www.nsf.gov/funding/opportunities/mca-mid-career-advancement>

9. Faculty Early Career Development Program (CAREER), NSF

Application Deadline: July 23, 2025

Anticipated Funding Amount: up to \$400,000 for five years

- Exceptions: Directorate for Biological Sciences (BIO), the Directorate for Engineering (ENG), or the Office of Polar Programs (OPP) are expected to total a minimum of \$500,000 for five years

This premier program emphasizes the importance the Foundation places on the early development of academic careers dedicated to stimulating the discovery process in which the excitement of research is enhanced by inspired teaching, enthusiastic learning, and disseminating new knowledge. Effective integration of research and education generates a synergy in which the process of discovery stimulates learning, and assures that the findings and methods of research and education are quickly and effectively communicated in a broader context and to a large audience.

The CAREER program embodies NSF's commitment to encourage faculty and academic institutions to value and support the integration of research and education. Successful Principal Investigators will propose creative, effective research and education plans, developed within the context of the mission, goals, and resources of their organizations, while building a firm foundation for a lifetime of contributions to research, education, and their integration.

- **Integration of Research and Education** - All CAREER proposals should describe an integrated path that will lead to a successful career as an outstanding researcher and educator. NSF recognizes that there is no single approach to an integrated research and education plan, but encourages all applicants to think creatively about the reciprocal relationship between the proposed research and education activities and how they may inform each other in their career development as both outstanding researchers and educators. These plans should reflect the proposer's own disciplinary and educational interests and goals, as well as the needs and context of his or her organization. Because there may be different expectations within different disciplinary fields and/or different organizations, a wide range of research and education activities may be appropriate for the CAREER program. In addition, NSF recognizes that some investigators, given their individual disciplinary and career interests, may wish to pursue an additional activity such as entrepreneurship, industry partnerships, or policy that enhances their research and education plans.

Proposers are encouraged to communicate with the CAREER contact or cognizant Program Officer in the Division closest to their area of research to discuss the expectations and approaches that are most appropriate for that area (see <https://www.nsf.gov/crssprgm/career/contacts.jsp> for a list of CAREER contacts by division).

Link to Additional Information: https://www.nsf.gov/funding/opportunities/career-faculty-early-career-development-program?utm_medium=email&utm_source=GovDelivery

10. Bilateral Academic Research Initiative (BARI) Program, DoD

Application Deadline:

- **White Papers:** May 30, 2025
- **Full Proposals (by invitation only):** August 29, 2025

Anticipated Funding Amount: up to \$1,500,000 per year for four years

This NFO is for the Bilateral Academic Research Initiative Pilot Program (BARI), which is jointly sponsored by the US Office of the Under-Secretary of Defense for Research & Engineering (OUSD(R&E)), and the Ministry of Trade, Industry and Energy (MOTIE) of the Republic of Korea (ROK).

The BARI program addresses high risk basic research as an international collaboration. This research should attempt to provide the scientific foundation towards the design and development of future and ubiquitous information networks that rely on extreme-scale devices, distributed intelligence, and network complexity, and include cognitive and social concepts to inform technological choices. The goal of this program is to produce significant scientific breakthroughs and knowledge that will be critical steps in enabling revolutions in communication and information technology on a large scale.

The Department of Defense (DoD) and ROK agencies involved in this program (MOTIE and Korea Evaluation Institute of Industrial Technology (KEIT)) reserve the right to select one or none of the proposals submitted in response to this announcement. The participating DoD and ROK agencies will provide no funding for direct reimbursement of proposal development costs.

Program Description and Objectives

They are looking for collaborative research, between teams that must include US universities and ROK research institutions. The level of effort, especially in terms of team size, and time spent on research, should be approximately balanced, within the constraints of a rational work plan that best addresses the topic's scientific questions and the maximum yearly budget allowed. A single technical proposal must be submitted that includes a discussion of how the bi-national teams will work together. However, OUSD(R&E) will only fund the US academic team and KEIT will fund the ROK team through separate grant funding mechanisms. Each will have their own applicable terms and conditions. See Section IX for ROK specific requirements.

The BARI Program competition is for research within the purview of the following topic: *"Foundational Approaches to Embodied Intelligence for Future Generations of Robotics"*

Objectives:

This topic calls for research that explores the scientific issues behind realizing the vision of a new robotic design eco-system, as described above, where components are embodied with intelligence and learning capabilities, can be trained individually, yet can also be assembled into complete systems with emergent capabilities. Fundamental questions should be addressed, such as the extent of physical embodiment and adaptation, neural processing and information chain, shareable representation learning and cognitive hierarchy, co-design and joint learning of sensor, dynamics and control, and other. The research should proceed with selected examples of robotic components, humanoid or not, and design them with high levels of physical embodiment of intelligence as well as distributed neural processing, leading towards a demonstration of sharing of embodied learning between components, or between a component and a robotic platform. Throughout this process, questions of metrics, testing procedures, and standards of (re- and post-training) information may be considered, although their resolution is not expected within the scope of this project.

Research Areas:

The research will bring together multiple disciplines for both deep exploration of fundamentally new approaches and

their coherent integration. These potentially include:

- Mathematics, to achieve new approaches of composition and complexity reduction, with information type that can be far removed from traditional data types used in engineered systems. Uncertainty, stochasticity (training implies different notions of “noise”), dynamics and adaptability are also important aspects.
- Material science and Mechanical and Electrical Engineering, to develop physical components, their actuation and embedded sensors, and new methods of automatic (i.e., embodied) adaptability, as well as reading of external and internal states that can be used for training.
- Computer science (CS) and artificial intelligence (AI), to design the neural clusters within the components, able to integrate the perception and proprioception, fuse the information and create representations. This may include the design or use of efficient, small scale neuromorphic devices, such as Spiking Neural Nets (SNN) or others.
- Biology and neuroscience, both for bio-inspired design but also for possible Human-Machine Interface (HMI).

The list is not exhaustive, and other disciplines may be called upon, as function of the overall research trajectory being proposed.

Link to Additional Information: <https://www.grants.gov/search-results-detail/358555>

11. Community Infrastructure for Research in Computer and Information Science and Engineering (CIRC), NSF

Application Deadline: September 12, 2025

Anticipated Funding Amount:

- **Planning Community Infrastructure (Planning):**
 - **Planning-C category:** between \$50,000 - \$100,000 per award for up to one and one-half years
 - **Planning-M category:** between \$100,001 - \$250,000 for up to two years
- **Exploratory Development (Dev):** between \$250,001 - \$750,000 for up to two years
- **Medium Community Infrastructure (Medium):** between \$750,001 - \$2,000,000 for up to three years
- **Grand Community Infrastructure (Grand):** between \$2,000,001 - \$5,000,000 for up to five years

The Community Infrastructure for Research in Computer and Information Science and Engineering (CIRC) program draws on the rapidly evolving nature of the Computer and Information Science and Engineering (CISE) disciplines, and the unique infrastructure needs of CISE researchers to explore and extend the boundaries of CISE research frontiers.

With its CIRC program, CISE drives discovery and learning in the core CISE disciplines covered by the three participating CISE divisions (CCF, CNS, and IIS) by enabling the creation and enhancement of world-class research infrastructure with integrated suites of tools, resources, user services, and research community outreach. The supported infrastructure will specifically support diverse communities of CISE researchers pursuing focused research agendas in computer and information science and engineering. Further, through the CIRC program, CISE seeks to ensure that individuals from a diverse range of institutions of higher education (IHEs), including minority-serving and predominantly undergraduate institutions, have access to such infrastructure and community outreach opportunities.

CIRC awards provide infrastructure, tools, resources, and user services to support the associated research community

in pursuing innovative research ideas. This could include equipment, testbeds, software, and data repositories needed to push the limits of computing, communications, and information systems. The team managing the infrastructure is expected to:

- a. enable unique and compelling research opportunities otherwise inaccessible to the CISE research community,
- b. provide robust user services and support to the community that the infrastructure seeks to serve, and
- c. implement a robust engagement plan that incorporates effective research community outreach and periodically evaluates the needs of the research community and assesses resources in order to determine the future needs for enhancements and to plan for sustainability.

The CIRC program supports four classes of awards:

- **Planning Community Infrastructure (Planning):** must have a clear research vision as well as a robust set of planning activities centered on that vision and the research to be enabled by the planned infrastructure. Planning projects must include significant community engagement to determine community needs, priorities, and support for the proposed infrastructure and to provide input into the design and development of a Grand or Medium – New infrastructure project, or a Mid-scale RI project.

This project class supports two types of planning activities:

- Planning-C: planning activities and community outreach to develop a full CIRC Grand or Medium – New proposal.
 - Planning-M: support planning activities and community outreach to develop a mid-scale research infrastructure proposal; see the Mid-scale RI-1 and Mid-scale RI-2 solicitations for additional information.
- **Exploratory Development (Dev):** This solicitation introduces a new category of grants to support activities that involve the validation of one or more unproven infrastructure designs and/or technologies, which, if validated, could enable transformative community infrastructure in the future. This award category supports exploratory design, prototyping and validation activities that are not supported through other CIRC categories, but which are necessary to demonstrate the feasibility of high-risk, high-reward designs and/or technologies that could enable future community infrastructure with transformative potential. Successful projects are expected to provide the technical foundations necessary to pursue subsequent CIRC (New or Grand), Mid-scale RI-1, or Mid-scale RI-2 projects. Proposals must clearly demonstrate the high-risk, high-reward nature of the work, and its potential to enable transformative community infrastructure – enabling infrastructure that would otherwise not be possible.
 - **Medium Community Infrastructure (Medium):** Each Medium Community Infrastructure (Medium) award supports the creation of new CISE community research infrastructure or the enhancement of existing CISE community research infrastructure, and the accompanying user services and outreach to the associated CISE research community. This class could also be used to fully develop an existing resource that has not received any funding from the prior CISE Research Infrastructure (CRI) or CCRI programs, other than a CRI or CCRI planning award. Projects must include substantial involvement of CISE researchers and enable projects with a clear research focus related to the core CISE disciplines.

Support for CIRC Medium projects is provided in two award categories: New (New) and Enhance/Sustain (ENS).

- New: focused CISE research infrastructure and user services to facilitate research in emerging areas

of CISE research, and to engage the associated research community as part of the development and testing. New projects should also include community outreach to attract diverse groups of CISE researchers. Infrastructure funded under this category may be eligible to compete for CIRC ENS awards during or after the final year of funding. Existing CISE community infrastructure resources, regardless of the source of the initial funding used to establish them, are ineligible to submit proposals to the New track.

- **ENS:** support significant enhancement of existing CISE-supported research infrastructure from various programs to meet research community needs and directions, outreach to broaden and diversify the associated user research community, and implementation of a plan to attain long-term community operation of the infrastructure after the CIRC funding ends. ENS projects should enhance not only the infrastructure itself, but also user services and an integrated suite of tools and resources to benefit user research capabilities and productivity.
- **Grand Community Infrastructure (Grand):** to develop significant new, innovative CISE community research infrastructure or enhance and sustain existing CISE community research infrastructure that will enable a diverse community of CISE researchers to pursue a focused, innovative research agenda. Grand projects develop or enhance testbeds and platforms with an integrated set of user services that enable CISE researchers to conduct research experiments, test and validate methodologies and systems, and evaluate research results. Grand projects include well-designed plans for involving the related CISE research communities in the design, development, testing, and oversight of the infrastructure, as well as to guide future enhancements to ensure that they meet the needs and priorities of the participating community of researchers. Grand projects promote bold, emerging research directions, build infrastructures that catalyze CISE research, and provide leadership and support to develop robust, diverse research communities capable of advancing CISE research frontiers. Funds for years four and five of Grand awards will depend on a successful site visit, reverse site visit, or external reviews in year three of the project and the development of a sustainability plan for operations beyond the five-year period of the award.

Each CIRC **Medium** or **Grand** award may include support for operation of the infrastructure, ensuring that the awardee organization(s) is (are) well positioned to provide a high quality of service to CISE community researchers expected to use the infrastructure to realize their research goals.

Each CIRC project must provide compelling new research opportunities for a broad-based community of CISE researchers that extends well beyond the awardee organization(s) and that are not limited to a small, closed group of universities. These communities may vary in the number of researchers, and the infrastructure may support building up a research community for the given research area. Furthermore, each CIRC award may support the operation of such infrastructure, ensuring that the awardee organization(s) is (are) well positioned to provide a high quality of service to CISE community researchers expected to use the infrastructure to realize their research goals. Each CIRC project should include a vision for future long-term community sustainability and operation of the infrastructure. Each CIRC project should have a project management plan, including timeline, costs, and personnel. Proposals must define metrics relevant to the proposal goals and address measurement and evaluation of the infrastructure. Possible metrics to consider include infrastructure utilization, usability of infrastructure by researchers, diversity of users, and publications that report experiments done on the infrastructure (especially by researchers other than the PIs).

Each CIRC project must include substantial involvement of CISE researchers and enable a focused research agenda related to the core CISE disciplines. Proposals must provide compelling evidence that a diverse community of investigators will find the proposed infrastructure valuable to their research endeavors. Each Medium and Grand project must include provisions for a Community Advisory Board drawn from the user community, to help guide the development and future directions of the infrastructure to best meet the needs of the associated research community. Community Advisory Board members must be drawn from the broader user community and shall not be from the

organizations receiving the CIRC award, nor be collaborators of the PIs or co-PIs of the CIRC award. Funds may be allocated for a Community Advisory Board; however, potential community advisory board members should not be approached prior to award or identified in the proposal.

CIRC provides the funding needed to create and enhance research infrastructure. Infrastructure resources that have received funding from an NSF Research Infrastructure program may submit proposals to the CIRC ENS track. Resources that have received CI-SUSTAIN awards from the CRI program are not eligible to receive funding from the CIRC program.

Link to Additional Information: <https://www.nsf.gov/funding/opportunities/circ-community-infrastructure-research-computer-information/nsf23-589/solicitation>

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/funding/opportunities/pgrp-plant-genome-research-program/nsf24-547/solicitation>

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>
34. Multilateral Partnerships Leveraging Excellence (MultiPLEx), NSF
<https://new.nsf.gov/funding/opportunities/multiplex-multilateral-partnerships-leveraging-excellence>
35. Life and Environments Through Time (LET), NSF
<https://new.nsf.gov/funding/opportunities/let-life-environments-through-time/nsf25-517/solicitation>
36. Infrastructure Systems and People (ISP), NSF
<https://www.nsf.gov/funding/opportunities/isp-infrastructure-systems-people>
37. 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>

Announcing Previous Important Funding Opportunities

1. Digital Humanities Advancement Grants, NEH
Deadline: March 24, 2025 (Optional Draft); May 22, 2025 (FP)
<https://www.neh.gov/grants/odh/digital-humanities-advancement-grants>
2. Translation and Diffusion (TD), NSF
Deadline: April 1, 2025
<https://new.nsf.gov/funding/opportunities/td-translation-diffusion/nsf25-528/solicitation>
3. Collaborations in Artificial Intelligence and Geosciences (CAIG), NSF
Deadline: April 2, 2025
<https://new.nsf.gov/funding/opportunities/caig-collaborations-artificial-intelligence-geosciences/nsf25-530/solicitation>
4. Cybersecurity Innovation for Cyberinfrastructure (CICI), NSF
Deadline: April 2, 2025
<https://new.nsf.gov/funding/opportunities/cici-cybersecurity-innovation-cyberinfrastructure/nsf25-531/solicitation>

5. 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>
6. Fellowships, NEH
Deadline: April 9, 2025
<https://www.neh.gov/grants/research/fellowships>
7. Defense University Research Instrumentation Program (DURIP), DoD
Deadline: April 11, 2025 (Inquiries and Questions); April 25, 2025 (FP)
<https://www.grants.gov/search-results-detail/358449>
8. Materials Innovation Platforms (MIP), NSF
Deadline: May 15, 2025
<https://new.nsf.gov/funding/opportunities/mip-materials-innovation-platforms/nsf25-521/solicitation>
9. Cyber-Physical Systems (CPS), NSF
Submission Window Date(s): June 01, 2024 - May 31, 2025 (Small & Medium)
<https://new.nsf.gov/funding/opportunities/cyber-physical-systems-cps/nsf24-581/solicitation>
10. Shared Instrumentation Grant (SIG) Program (S10 Clinical Trial Not Allowed), NIH
Deadline: June 2, 2025
<https://grants.nih.gov/grants/guide/pa-files/PAR-24-265.html>
11. High-End Instrumentation (HEI) Grant Program (S10 Clinical Trial Not Allowed), NIH
Deadline: June 2, 2025
<https://grants.nih.gov/grants/guide/pa-files/PAR-24-264.html>
12. Materials Research Science and Engineering Centers (MRSEC), NSF
Deadline: June 23, 2025 (PP); November 24, 2025 (FP)
<https://new.nsf.gov/funding/opportunities/mrsec-materials-research-science-engineering-centers/nsf25-532/solicitation>
13. 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>
14. 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>
15. 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>

16. 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>



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