

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 6/10/2025 and is in no way all-inclusive of funding opportunities available. Further information has been shared with External Resource Coordinators and Research Coordinators at each UPR campus.

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Important Information

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

1. Science of Science: Discovery, Communication and Impact (SoS:DCI), NSF

Application Deadlines: September 9, 2025

Anticipated Funding Amount: project budget and duration should be determined by the scope of the proposed activities

The Science of Science: Discovery, Communication and Impact (SoS:DCI) program is designed to advance theory and knowledge about increasing the public value of scientific activity. Science of Science draws from multiple disciplinary and field perspectives to advance theory and research about scientific discovery, communication and impact. SoS:DCI welcomes proposals applying rigorous empirical research methods to advance theory and knowledge on:

- The social and structural mechanisms of scientific discovery.
- Theories, frameworks, models and data that improve our understanding of scientific communication and outcomes.
- The societal benefits of scientific activity and how science advances evidence-based policy making and the creation of public value.

The SoS:DCI program, which expands upon the former Science of Science and Innovation Policy (SciSIP) program, funds research that builds theoretical and empirical understanding of the social science of science. SoS:DCI welcomes proposals to conduct research at the individual, organizational and institutional levels or from micro, meso and macro scales and complex system levels. SoS:DCI encourages multiple disciplinary perspectives, interdisciplinary research and diverse methodological approaches in the pursuit of new knowledge to advance the science of science and evidence-based policy making.

With these goals in mind, proposals should:

- Draw from and advance theory, knowledge and frameworks on the science of science.
- Develop models, data, indicators and associated analytical tools that constitute and enable transformative advances rather than incremental change.
- Provide credible rigorous assessments of the proposed project's impact and social and policy implications.
- Include robust data management plans with the goal of advancing open science and increasing public access to usable, valid and reliable scientific materials.

Of particular interest are proposals with the potential to strengthen America's global leadership in science and increase national competitiveness across a broad range of domains. These include proposals that analyze strategies for strengthening and expanding the scientific workforce, as well as ways to cultivate high-impact discovery across sectors. The program strongly encourages convergent research and collaboration.

For more information, contact Thomas S. Woodson, Program Director (tswoodso@nsf.gov).

Link to Additional Information: <u>https://www.nsf.gov/funding/opportunities/sosdci-science-science-discovery-communication-impact</u>

2. Dairy Health, Efficiency & Resource Dynamics Initiative, Foundation for Food and Agriculture Research

Application Deadlines: June 25, 2025 **Award Information:** up to \$1,000,000 total per award for up to 2 years

The Dairy HERD Initiative is a partnership between FFAR, Dairy Management Inc. (DMI) and Zoetis to advance research that will enable U.S. Dairy and allied industry to better understand and use innovations to support improved animal health/management and welfare, economic viability and environmental outcomes. Recent reports suggest that improving the health of dairy cows in the U.S. could substantially improve the environmental outcomes associated with dairy production. Yet very little research has attempted to quantify the environmental impacts of improved animal health in dairy or to understand the tradeoffs and intersections with other aspects of livestock production, including the role of caretakers and economic aspects of herd management. The Dairy HERD Initiative aims to support research to advance our understanding of the interrelationships among dairy health/management and welfare, economics and the environment.

The objective of Dairy HERD is to advance research that will enable U.S. dairy and stakeholders to design and use innovations supporting animal health and management, economic viability and improved environmental outcomes. Dairy HERD recognizes that cross-disciplinary collaborative teams that leverage the strength and expertise of diverse scientific fields may be needed to examine the complex relationships among dairy health and management, economics and the environment.

Research Areas Supported

Dairy HERD will consider applications addressing one or more of the following objectives:

- Economics analyses related to potential reductions in the prevalence of animal health conditions in the context of the associated environmental outcomes; for example, performing cost-benefit analyses that consider the benefits of improved animal health and productivity, reduced costs of treatment and changes in replacement rate, in the context of financial incentive programs that could yield returns on investment.
- Develop or improve decision-support tools and/or models through an enhanced understanding of feedback loops and trade-offs amongst animal health and herd management, economics and environmental outcomes; for example, by developing conceptual, statistical or predictive models that advance whole-farm models or decision-support tools to inform evidence-based decision-making to improve animal health and environmental outputs. Integration into tools/models that have the potential for large-scale implementation by the dairy industry are strongly encouraged.
- Examine and quantify the impact of dairy cow and heifer health on environmental outcomes; for example, quantify, through empirical studies, the effects of prevalent health challenges such as lameness, mastitis and/or metritis, on environmental outcomes. Research results should be reported in widely accepted metrics such as total tons of emissions per cow per day or kg CO2-equivalents per kg fat and protein corrected milk (FPCM) using AR6 GWP100 metrics.

All research must be conducted in accordance with standard research compliance requirements, such approval from the relevant Institutional Animal Care and Use Committee (IACUC) or similar. If human subjects are involved, the research team should be trained in culturally appropriate methods to reach the target population and must have Institutional Review Board (IRB), or similar approval for the project.

Link to Additional Information:

https://foundationfar.org/wp-content/uploads/2025/05/HERD_RFA_Final.nowatermark.pdf

3. Archival Projects, National Historical Publications & Records Commission-National Archives

Application Deadline:

- **Optional Draft:** August 15, 2025
- Full Proposal: November 5, 2025

Anticipated Funding Amount: up to \$150,000 for a duration of one to two years

The NHPRC seeks archival projects that will significantly improve online public discovery and use of historical records collections. We welcome projects that engage the public, expand civic education, and promote understanding of the nation's history, democracy, and culture from the founding era to the present day. The Commission encourages projects focused on collections of America's early legal records, such as the records of colonial, territorial, county, and early statehood and tribal proceedings that document the evolution of the nation's legal history.

Projects may preserve and process historical records to:

- Arrange or re-house and describe collections
- Convert existing description for online access
- Create new online Finding Aids to collections
- Digitize historical records collections and make them freely available online

All types of historical records are eligible, including documents, photographs, born-digital records, and analog audio and moving images.

The successful application will:

- describe the types and quantities of historical records to be made accessible, and how these records will inform and expand local, state, regional, and/or national history.
- outline a project that addresses archival best practices.
- be appropriately staffed with archivists.
- propose a budget that accomplishes the project in a cost-effective manner.
- outline activities that bring researchers to the collections included in the project as well as the rest of the repository's holdings.

Before beginning the process, applicants should contact Director for Access Programs, Nancy Melley (<u>nancy.melley(@nara.gov</u>).

Link to Additional Information: https://www.archives.gov/nhprc/announcement/archival.html

4. A Science of Science Approach to Analyzing and Innovating the Biomedical Research Enterprise (SoS:BIO), NSF

Application Deadline: September 9, 2025 Anticipated Funding Amount: range from \$100,000 to \$250,000 (total costs) per year for up to 4 years

The National Science Foundation (NSF) and the National Institutes of Health (NIH) seek proposals that will propel our understanding of the biomedical research enterprise by drawing from the scientific expertise of the science of science policy research community.

NSF promotes the progress of science by maintaining the general health of research and education across all fields of

science and engineering. The Social, Behavioral and Economic Sciences (SBE) Directorate within NSF supports basic research on people and society. The SBE sciences focus on human behavior and social organizations; how social, economic, political, cultural and environmental forces affect the lives of people from birth to old age; and how people in turn shape those forces. SBE's Science of Science: Discovery, Communication and Impact Program (SoS:DCI) supports research designed to advance the scientific basis of science and innovation policy.

The NIH is the U.S. federal agency charged with supporting biomedical research in the U.S. The National Institute of General Medical Sciences (NIGMS) within the NIH supports basic biomedical research that increases understanding of biological processes and lays the foundation for advances in disease diagnosis, treatment and prevention.

Both NSF and NIH believe that there are opportunities and needs for building and supporting research projects with a focus on the scientific research enterprise. The two agencies also recognize that when programmatic goals are compatible, coordinated management and funding of a research program can have a positive synergistic effect on the level and scope of research and can leverage the investments of both agencies.

Therefore, NIGMS and SBE are partnering to enable collaboration in research between the SoS:DCI program and NIGMS. This partnership will result in a portfolio of high-quality research to provide scientific analysis of important aspects of the biomedical research enterprise and efforts to foster a diverse, innovative, productive and efficient scientific workforce, from which future scientific leaders will emerge.

Description

Science of Science Approach to Analyzing and Innovating the Biomedical Research Enterprise (SoS:BIO) is a joint program between the National Institute of General Medical Sciences (NIGMS) of the National Institutes of Health (NIH) and the Science of Science: Discovery, Communication, and Impact Program (SoS:DCI) of the National Science Foundation (NSF). SoS:BIO supports research that advances the scientific basis of science and innovation policy, with a focus on biomedical sciences. Consistent with the SoS:DCI program, SoS:BIO will fund the development of models, analytical tools, data and metrics that can inform science policy and the development of the scientific enterprise. SoS:BIO welcomes individual and collaborative research projects and places a high priority on interdisciplinary research and on broadening participation.

Link to Additional Information: <u>https://www.nsf.gov/funding/opportunities/sosbio-science-approach-analyzing-innovating-biomedical/nsf23-569/solicitation</u>

5. Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus Program, OVW / Dept. of Justice

Application Deadlines:

- Letter of Intent: June 24, 2025
- Grants.gov: July 8, 2025
- JustGrants: July 10, 2025

Award Amount: up to \$400,000 per award for a duration of 36 months

The Campus Program encourages a comprehensive coordinated community approach that enhances victim safety, provides services for victims, and supports efforts to hold offenders accountable. The funding supports activities that develop and strengthen trauma informed victim services and strategies to prevent, investigate, and respond to sexual assault, domestic violence, dating violence, and stalking.

The Campus Program funds institutions of higher education to develop coordinated community responses. These

campus-wide coordinated responses should involve campus victim service providers, law enforcement/campus safety officers, health providers, housing officials, administrators, student leaders, faith-based leaders, representatives from student organizations, and disciplinary board members. Campus responses must also link to local off-campus criminal justice agencies and service providers, including local law enforcement agencies, prosecutors' offices, courts, and nonprofit, nongovernmental victim advocacy and victim services organizations. Eligible applicants are limited to institutions of higher education.

Purpose Areas

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

- 1. To provide personnel, training, technical assistance, data collection, and other equipment with respect to the increased apprehension, investigation, and adjudication of persons committing domestic violence, dating violence, sexual assault, and stalking on campus.
- 2. To develop, strengthen, and implement campus policies, protocols, and services that more effectively identify and respond to the crimes of domestic violence, dating violence, sexual assault and stalking, including the use of technology to commit these crimes, and to train campus administrators, campus security personnel, and all participants in the resolution process, including personnel from the Title IX coordinator's office, student conduct office, and campus disciplinary or judicial boards on such policies, protocols, and services that promote a prompt, fair, and impartial investigation.
- 3. To provide prevention and education programming about domestic violence, dating violence, sexual assault, and stalking, including technological abuse and reproductive and sexual coercion, that is age-appropriate, culturally relevant, ongoing, delivered in multiple venues on campus, accessible, promotes respectful nonviolent behavior as a norm, and engages men and boys. Such programming should be developed in partnership or collaboratively with experts in intimate partner and sexual violence prevention and intervention.
- 4. To develop, enlarge, or strengthen victim services programs and population specific services on the campuses of the institutions involved, including programs providing legal, medical, or psychological counseling, for victims of domestic violence, dating violence, sexual assault, and stalking, and to improve delivery of victim assistance on campus. To the extent practicable, such an institution shall collaborate with any victim service providers in the community in which the institution is located. If appropriate victim services programs are not available in the community or are not accessible to students, the institution shall, to the extent practicable, provide a victim services program on campus or create a victim services program in collaboration with a community-based organization. The institution shall use not less than 20 percent of the funds made available through the grant for a victim services program provided in accordance with this paragraph, regardless of whether the services are provided by the institution or in coordination with community victim service providers.
- 5. To create, disseminate, or otherwise provide assistance and information about victims' options on and off campus to bring disciplinary or other legal action, including assistance to victims in immigration matters.
- 6. To develop, install, or expand data collection and communication systems, including computerized systems, linking campus security to the local law enforcement for the purpose of identifying and tracking arrests, protection orders, violations of protection orders, prosecutions, and convictions with respect to the crimes of domestic violence, dating violence, sexual assault, and stalking on campus.
- 7. To provide capital improvements (including improved lighting and communications facilities but not including the construction of buildings) on campuses to address the crimes of domestic violence, dating violence, sexual assault, and stalking.

- 8. To support improved coordination among campus administrators, campus security personnel, and local law enforcement to reduce domestic violence, dating violence, sexual assault, and stalking on campus.
- 9. To develop or adapt, provide, and disseminate developmental, culturally appropriate, and linguistically accessible print or electronic materials to address both prevention and intervention in domestic violence, dating violence, sexual violence, and stalking.
- 10. To develop or adapt and disseminate population specific strategies and projects for victims of domestic violence, dating violence, sexual assault, and stalking from underserved populations on campus.
- 11. To train campus health centers and appropriate campus faculty, such as academic advisors or professionals who deal with students on a daily basis, on how to recognize and respond to domestic violence, dating violence, sexual assault, and stalking, including training health providers on how to provide universal education to all members of the campus community on the impacts of violence on health and unhealthy relationships and how providers can support ongoing outreach efforts.
- 12. To train campus personnel in how to use a victim-centered, trauma-informed interview technique, which means asking questions of a student or a campus employee who is reported to be a victim of sexual assault, domestic violence, dating violence, or stalking, in a manner that is focused on the experience of the reported victim, that does not judge or blame the reported victim for the alleged crime, and that is informed by evidence- based research on trauma response. To the extent practicable, campus personnel shall allow the reported victim to participate in a recorded interview and to receive a copy of the recorded interview.
- 13. To develop and implement restorative practices (as defined in the Violence Against Women Act (34 U.S.C. § 12291(a))).

Priorities

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

- 1. Measures to combat human trafficking and transnational crime, particularly crimes linked to illegal immigration and cartel operations, that support safety and justice for trafficking victims who have also suffered domestic violence, sexual assault, dating violence, and/or stalking.
- 2. Projects to provide victim services, especially housing, and improve law enforcement response in rural and remote areas, Tribal nations, and small towns that often lack resources to effectively combat domestic violence and sexual assault.

Link to Additional Information: https://www.justice.gov/ovw/campus-program

6. Verticals-enabling Intelligent Network Systems (VINES), NSF

Application Deadlines:

- Track 1: August 25, 2025
- Track 2: September 25, 2025

Anticipated Funding Awards:

- Track 1: up to \$1,500,000 per award for a maximum of three years
- Track 2: up to \$6,000,000 per award for a maximum of two years

The VINES program seeks to support both fundamental research and verticals-driven technology development, demonstration, and translation activities that will lead to leaps in performance and capabilities of next generation (NextG) advanced intelligent network systems that span the user-edge-core-cloud continuum. The program seeks to go beyond the current research portfolios within individual participating NSF directorates and partner organizations by simultaneously emphasizing gains in performance and capabilities without compromising resilience and interoperability across all layers of the networking protocol and computation stacks. Innovations are sought across the various aspects of next generation communications, networking, and computing systems. This program is a multisector effort led by the National Science Foundation (NSF), in partnership with several industry and international agency partners, and in cooperation with other U.S. Federal agencies. It recognizes the importance of advanced telecommunications as a key technology area. The program seeks to enhance U.S. competitiveness in advanced telecommunications technologies to establish itself as a global leader in both NextG wireless telecommunications and emerging potential NextG vertical industries, as well as address the need for skilled workforce and expertise in these technology areas. VINES expects to increase investments in foundational technology innovations and their translation while leveraging international eco-system partners to drive the principles of open and trustworthy networks. It seeks to fund collaborative research that transcends the traditional boundaries of individual disciplines or geographic boundaries to achieve the program goals.

This program is organized into two Tracks:

• Track 1 (Use-inspired Fundamental Research): will support activities focused on use-inspired fundamental research to develop novel networking techniques and solutions.

VINES Track 1 aims to accelerate research in technology areas with high potential for impact on enabling future network capabilities and emerging use cases. The focus is on innovations in promising technologies across various disciplines that lead to leaps in performance and capabilities of future networks and networked systems. This program thus complements the current NSF research portfolio that supports basic research in the theory and practice of individual emerging topics, including AI, edge computing, radio communications, innovative transmit/receive technologies, dynamic spectrum utilization and other techniques to support coexistence with passive scientific uses of spectrum, security and privacy.

Track 1 of this program aims to support use-inspired fundamental research. A proposal submitted in response to Track 1 of this program must address one or more research vectors (RVs) from each of the two groups listed below. Each proposal should clearly identify the RVs chosen in the text of the project description. The program strongly encourages cross-layer collaboration or teaming to meet the stated goals.

Proposals must clearly describe the synergy between RVs chosen from Group A and Group B, i.e., how the proposed technology advances in Group B enable the targeted network capabilities from Group A – this is an essential requirement for a Track 1 proposal.

- **Group A: Advanced Network Capabilities -** The main theme of any Track 1 proposal must address at least one of the RVs within this group (Group A). The advanced capabilities can be viewed from a variety of perspectives. Each proposal should explain how the proposed research will seek to advance the network capabilities beyond what is possible with today's networks.
 - A1: Enabling Emerging Verticals: "Emerging verticals" in the context of NextG networks refers to application domains or sectors that are evolving by leveraging advanced networking technologies to transform their performance, ease of use, services, or operating models.
 - A2: Energy Efficiency: As the communication networks have evolved over the past few decades, the energy consumption of various generations of communications systems has also

increased.

- A3: Accessibility: This research vector solicits innovations that may address the accessibility challenges for NextG networks.
- A4: Resilience: Resilience continues to be a major requirement for NextG networked systems that requires continued research and innovation, leveraging various emerging technology enablers. Networks must be capable of detecting, analyzing, and mitigating evolving threats in real time, and thus developing algorithms that can better predict and respond to attacks is essential.
- A5: Convergence: Network convergence involves the integration of multiple network types (e.g., fixed, mobile, wireless, terrestrial, and non-terrestrial) into a unified architecture that offers seamless connectivity, enhanced performance, and efficient resource management, while supporting diverse applications requirements.
- A6: Manageability and Control: The management and control of NextG network systems is increasingly challenging with the expansion and diversity of the supported capabilities and services. Decoupling management and control from network elements has emerged as a promising solution architecture to enable flexibility and scalability.
- A7: Exploratory Capabilities: Beyond the capability RVs mentioned above, proposers are free to suggest other new and emerging network capabilities that require innovation to enable in future networks.
- **Group B: Enabling Technologies** Achieving advances in network capabilities requires leveraging promising technologies. The list below outlines several key emerging technological areas that hold significant promise in overcoming barriers to achieve significant capability gains in NextG. The main theme of any Track 1 proposal must address at least one of the RVs within this group (Group B), alongside the chosen Group A RV(s).
 - **B1: AI-Native Design:** AI-native NextG refers to next-generation networks designed with artificial intelligence / machine learning (AI) as an integral component, rather than as an addon. In AI-native NextG, AI is deeply embedded into the network's architecture, allowing for real-time learning, adaptation, and automation across all layers and all components of the networked system.
 - **B2: Spectrum Sharing-Native Design:** Spectrum sharing will become increasingly crucial in future network generations because it allows for more efficient use of the congested radio frequency spectrum. Traditional spectrum allocation assigns exclusive frequencies to specific users (e.g., passive or active) or applications, which can lead to underutilization.
 - **B3: Integrated Sensing and Communications (ISAC):** combines sensing functionalities with communication networks to use shared systems for both transmitting and receiving data, as well as analyzing signals for various applications. This integration leverages common network modules to support both communication and sensing, reducing the need for separate infrastructures.
 - B4: Security and Privacy: In next generation networks, security and privacy are essential to

ensuring trust and reliability, especially as networks increasingly handle vast amounts of sensitive data across diverse applications.

- **B5: Exploratory Enabling Technologies/Paradigms:** Beyond the four RVs mentioned above, proposers are free to pursue research in other emerging technologies, such as quantum communications and sensing, that have the potential to enable new advanced capabilities or features in NextG networks and networked systems.
- Track 2 (Verticals-Driven Technology Development, Demonstration, and Translation): will support activities focused on technology development, maturation, demonstration, integration, and translation of solutions with higher technology readiness levels (TRLs), with the goal of producing adoption-ready technologies. Industry contributions will not be used to fund Track 2.

VINES Track 2 aims to support development, demonstration and translation of potential NextG technologies that will result in performance or capabilities critical to enabling emerging vertical application industries.

Each Track 2 proposal must identify a novel emerging networking technology that has potential for translation and adoption in NextG mobile telecommunications networks (including 6G cellular and WiFi) and identify a vertical industry/application for which the performance/capability enabled by the identified networking technology would be critically important.

VINES Track 2 program specifically seeks to:

- Bring telecommunications and wireless vertical applications teams together to develop NextG networking solutions that deliver performance required by emerging vertical industries.
- Support vertical-driven technology development, demonstration and/or translation that will shape the future generations of advanced wireless and intelligent networked systems.
- Encourage academic and industry collaborations that will lead to effective development, maturation and demonstration of novel NextG technologies.
- Accelerate the flow of novel and emerging technologies derived from use-inspired research to proofs of concept, including prototype development and testing, to product/solution development, to market creation and to ultimately the desired societal and economic impacts.
- Establish global technology leadership in NextG wireless telecommunications via partnerships with industry, academia and international collaborators.
- Lead in emerging NextG wireless vertical industries via partnerships with industry, academia and international collaborators.
- Train future technical experts and entrepreneurs in NextG telecommunications and emerging wireless vertical technologies.
- Focus on relatively mature, yet still novel in terms of adoption, emerging technologies (current TRL level of at least 3) with the potential for translation and adoption in NextG networks.
- Enable formation of U.S. and international collaborations to speed up the rate of innovation towards open, global, interoperable, multi-functional, reliable, resilient, and secure networks.

International Collaborative Teams: While not required, a Track 2 team may include a bi-lateral collaboration between the U.S. and one of the participating countries.

Track 2 Emerging Technologies of Interest:

Emerging networking technologies of interest to VINES Track 2 as the candidate primary NextG networking technology are:

- 1. Integrated sensing and communications (ISAC)
- 2. Mobile/Multi-access edge computing (MEC)
- 3. Open & integrated networks (open standards and interfaces-based space-air-ground integration)
- 4. Semantic communications and networking (SC)
- 5. Advanced spectrum technologies such as dynamic spectrum sharing (DSS), operation at higher frequencies, multi-band, multi-mode radios (MBMMR) and low-power & spectrum-agile radios
- 6. High-performance data transport (e.g., fiber, WDM), transport layer, and automation technologies for various network environments, including software-defined wide area networks (SD-WAN) and data center and cloud networks.
- 7. Reconfigurable intelligent surfaces (RIS)

Webinar Information: NSF will host several informational webinars whose date and registration details will be posted on the Program Web page <u>https://www.nsf.gov/events/verticals-enabling-intelligent-network-systems-vines</u> shortly after this solicitation is published.

Link to Additional Information: <u>https://www.nsf.gov/funding/opportunities/vines-verticals-enabling-intelligent-network-systems/nsf25-539/solicitation</u>

7. Communications and Networking Applied Research N0001425SBC05, Office of Naval Research

Application Deadlines:

- White Paper: July 11, 2025
- Oral Presentation: August 14, 2025
- Full Proposal: September 26, 2025

Anticipated Funding Amount: between \$250,000 to \$500,000 per year for up to three years

The goal of the Communications and Networking Program within the Office of Naval Research (ONR 311) is to support the Navy's Information Warfare vision by developing measurable advances in technology that can directly enable and enhance end-to-end connectivity and quality of-service for mission-critical information exchange among widely dispersed naval, joint, and coalition forces. The vision is to provide high throughput robust communications and networking to ensure all warfighters – from the operational command to the tactical edge – have access to information, knowledge, and decision-making necessary to perform their assigned tasks. The ONR is interested in white papers for potential FY26 Applied Research projects under the following focus areas:

1. Laboratory proof-of-concept for an atomic sensor receiver design and performance characterization in the

very low frequency communications band. (Effort may need access to portable electrically small transmitter with reasonable modulation bandwidth as well.)

- 2. Energy-efficient wireless communication antennas/protocols/algorithms implementations for data/telemetry exchange with over-the-horizon unmanned / unattended systems.
- 3. Innovative approaches and technologies for low probability-of-detection communications against advanced electronic threats.
- 4. Advanced techniques for distributed network control, synchronization, and/or scheduling.
- 5. Novel algorithms for predicting network behavior/performance or emerging operational requirements that can then be translated into traffic engineering policies.

The ONR is receptive to innovative ideas, which are not within the above focus areas, but nonetheless are important to the Navy/Marine Corps communications and networking.

Link to Additional Information: <u>https://www.onr.navy.mil/work-with-us/funding-opportunities/fy26-communications-and-networking-applied-research</u>

8. Grants Program, AMGEN Foundation

Application Deadline: proposals accepted throughout the year **Funding Amount:** minimum of \$10,000

In support of our mission, the Amgen Foundation seeks to improve access and advance excellence in science education to inspire the next generation of innovators, as well as invest in strengthening communities where Amgen staff members live and work. We support a broad variety of organizations whose philosophies, objectives, and approaches align with the Foundation's mission and strategic goals.

Each year, the Foundation awards grants to local, regional, and international nonprofit organizations whose programs are replicable, scalable and designed to have a lasting and meaningful effect in Amgen communities. These grants reflect Amgen's dedication to impacting lives in inspiring and innovative ways.

Funding Priorities

Through our focus on science education, we are especially interested in the combined use of educational technology and hands-on science experiences to support learning outcomes. The Foundation prioritizes these areas:

- <u>Teacher quality and professional development in science:</u> We support comprehensive programs that enhance the quality of science teachers entering the classroom, and support teachers with meaningful professional-development opportunities that have a positive impact on student achievement.
- <u>Pivotal science experience</u>: We support programs that provide students and teachers with opportunities for authentic, inquiry-based learning experiences that significantly impact students' excitement about science and scientific careers and make the use of the latest educational technology.

Please note that nearly all Amgen Foundation grants are made by invitation. Within the United States and Puerto Rico, the Foundation will, however, respectfully contemplate a small number of unsolicited requests for local programs whose work is fully aligned to the Foundation's strategy to strengthen science education in the

communities where Amgen has a presence.

The Amgen Foundation requires that organizations interested in submitting an unsolicited request first submit an online letter of inquiry that includes information about the organization and a brief description of their proposed project. Before submitting this request, organizations must first complete an online eligibility quiz. On successful completion, these organizations may only submit one request per year for funding.

Link to Additional Information: <u>https://www.amgen.com/responsibility/healthy-society/community-investment/amgen-foundation-grants/amgen-foundation-grant-guidelines</u>

9. In-cycle Investigator Initiated Grants, The Alpha-1 Foundation

Application Deadlines:

- Letter of Intent: September 26, 2025
- Full Proposal (by invitation only): February 6, 2026

Funding Amount: up to \$75,000 for a one-year period

The Alpha-1 Foundation is committed to finding a cure for Alpha-1 Antitrypsin Deficiency and to improving the lives of people affected by Alpha-1 worldwide. Leading experts in the field of Alpha-1 research are working with the Foundation through their participation on the Board of Directors, as members of the Medical and Scientific Advisory Committee, directing Clinical Resource Centers, as members of Working Groups, or as participants at Foundation-sponsored scientific conferences and workshops.

Alpha-1 Antitrypsin Deficiency (Alpha-1) is a genetic condition that leads to decreased circulating levels of alpha-1 antitrypsin (AAT) and significantly increases the risk of serious lung disease in adults and liver disease in infants, children and adults. There currently is no cure available for this condition.

The Foundation offers grant awards in several categories. The first step in submitting a grant proposal is a letter of intent (LOI). If the LOI is deemed meritorious, we ask the investigator to submit a full application. Please check our website at www.alpha1.org for updated application deadlines and instructions.

Grant Categories

- John W. Walsh Career Development: Encourage the development/testing of new hypotheses/new methods in AATD-relevant research.
 - ➤ Funding Level: Up to \$100,000 for a three-year period
- **Pilot and Feasibility Grant:** Encourage the development/testing of new hypotheses/new methods in AATD-relevant research.
 - ▶ Funding Level: up to \$75,000 for up to 1 year
- **Postdoctoral Research Fellowship Grant:** Support postdoctoral research fellows starting their research careers in laboratories of established researchers or those conducting research under AATD senior researchers
 - ▶ Funding Level: up to \$75,000 per year for up to 2 years
- **Research Grant:** Encourage the development of novel concepts to better understand the basic biology of alpha-1 antitrypsin expression and the pathogenesis/management of AAT Deficiency.
 - ▶ Funding Level: Up to \$100,000 per year for up to 2 years
- Ethical, Legal and Social Issues (ELSI) Grant: Encourage the development of new information that

contributes to the understanding of bioethical, legal, economic, and/or social issues associated with AAT Deficiency. Applicants may submit an ELSI proposal as a Pilot and Feasibility Grant, Postdoctoral Research Fellowship Grant, or Research Grant

> Funding Levels and Periods: ELSI projects may be submitted as any of the above categories

- Scientific Meeting Sponsorship Grant: Support scientific meetings, workshops, or conferences relevant to AAT Deficiency and Foundation's mission.
 - Funding Level: Up to \$5,000
- Travel Grants:
 - <u>Objective 1:</u> Support travel to attend national and international scientific conferences or meetings to present AAT-related abstracts or
 - Objective 2: Support cross-training at an established Alpha-1 laboratory by an established Alpha-1 investigator
 - ➢ Funding Level: up to \$1,000

For information about the 2025-2026 In-Cycle Grants Program, please contact Vanessa Valencia, Grants Administration Manager, at vvalencia@alpha1.org or 1-877-228-7321, ext. 242.

Link to Additional Information: https://alpha1.org/grant-opportunities/

10. NIA Program Project Applications (P01 Clinical Trial Optional), NIH

Application Deadline: September 25, 2025

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

This Funding Opportunity Announcement (FOA) invites P01 applications that address the mission of NIA. Investigators are encouraged to visit NIA's website for additional information about its mission and high-priority research areas. Additionally, investigators are encouraged to visit NIA's website for additional information specific to the P01 award.

The purpose of the P01 award is to support integrated, multi-project research programs that have a central, welldefined research focus or objective. The P01 is a confederation of interrelated research projects, each capable of standing on its own scientific merit but complementing one another. An application submitted to this FOA must include at least three individual research projects that contribute to the program objective. The individual research projects should reflect a distinct, separate, scientifically meritorious research effort led by independent investigators who will serve as the project leaders. In addition, the individual projects should be clearly interrelated and synergistic so that the research ideas, efforts, and outcomes of the program as a whole will offer a distinct advantage over pursuing the projects separately. Additionally, the program project must include an administrative core leader to manage day-to-day activities across the program project, communication among project and core leaders, contractual activities (if any), and other overall program project activities, such as leadership meetings. The administrative core leader must be a Program Director/Principal Investigator (PD/PI) of the program project, and every PD/PI of the overall project must also be a PD/PI of at least one project within the P01.

In addition to individual research projects and the administrative core, applicants may propose one or more shared resource core, if needed for the proposed research. Each shared resource core must be utilized by two or more projects within the program.

Clinical Research

NIA will not provide support to a program project whose overall theme and structure are a clinical trial. However, NIA will consider supporting clinical trials when they constitute a single project (with core support) in a program project that has a broader overall theme.

NIA supports a central resource to NIA staff and extramural investigators to facilitate/support the conduct and management of clinical research. This resource, the Clinical Research Operations Management System (CROMS), is a comprehensive data management system to support the business functions, management, and oversight responsibilities of NIA grants that support the conduct of clinical research with human subjects. It is the expectation by NIA that all successful applicants will interface, integrate, or adapt their information system(s) and processes to interact with existing and future components of the CROMS as necessary, including the use of a CROMS data templates as specified.

Link to Additional Information: https://grants.nih.gov/grants/guide/pa-files/PAR-22-130.html

11. Research Grants, NIHCM Foundation

Application Deadline:

- Letter of Inquiry: July 18, 2025
- Full Proposal (by invitation only): September 2025

Award Budget: range between \$50,000 and \$60,000

NIHCM Foundation supports innovative, independent, investigator-initiated research that has the potential to inform managed care organizations, policymakers, and related stakeholders to improve the affordability and quality of U.S. health care.

All NIHCM-funded research should advance the evidence base on rising health care costs and affordability, through improved health care management, financing, delivery and organization.

Currently Requesting Letters of Inquiry for Projects in the Following Topic Areas:

- **Drug pricing and affordability:** Research that examines the factors influencing drug pricing, patents, pricing transparency, and policy interventions aimed at improving access to affordable medications. We are especially interested in work on GLP-1 agonists and related medications.
- **Provider consolidation & market power:** Research that evaluates the effects of health care competition and consolidation on costs, price variation, quality of care, and patient access.
- **Health care delivery:** Research that assesses the adoption, challenges, and outcomes of care delivery models including value-based care and hybrid care models in reducing health care costs, while also improving health care efficiency, quality, and patient outcomes. We are especially interested in research on how prior authorization protocols can optimize for both affordable coverage and high-quality care.
- Chronic disease management: Research that addresses the challenges and opportunities in managing chronic diseases and their associated costs, while improving patient outcomes and health care efficiencies.
- Artificial Intelligence: Research that explores the transformative potential of artificial intelligence and machine learning to improve health care delivery, efficiency, patient outcomes, and/or the potential challenges that AI introduces in terms of costs, quality of care or security. We are especially interested in

research on how the use of AI with electronic health records may be increasing coding intensity in the commercially insured population.

Will also accept proposals outside of these specific topic areas that meet the general criteria of focusing on rising health care costs and affordability, through improved health care management, financing, delivery and organization.

Link to Additional Information: https://nihcm.org/grants/research-grants

Proposals Accepted Anytime

- 1. Division of Environmental Biology, NSF <u>https://www.nsf.gov/funding/opportunities/deb-division-environmental-biology/nsf24-543/solicitation</u>
- 2. Condensed Matter and Materials Theory (CMMT), NSF https://www.nsf.gov/funding/opportunities/cmmt-condensed-matter-materials-theory
- 3. Division of Materials Research: Topical Materials Research Programs (DMR: TMRP), NSF https://www.nsf.gov/funding/opportunities/dmr-tmrp-division-materials-research-topical-materials-research/nsf23-612/solicitation
- 4. Research in the Formation of Engineers, NSF <u>https://www.nsf.gov/funding/opportunities/rfe-research-formation-engineers</u>
- 5. Manufacturing Systems Integration (MSI), NSF <u>https://www.nsf.gov/funding/opportunities/msi-manufacturing-systems-integration</u>
- 6. Electronics, Photonics and Magnetic Devices (EPMD), NSF https://www.nsf.gov/funding/opportunities/epmd-electronics-photonics-magnetic-devices
- 7. Plant Genome Research Program (PGRP), NSF https://www.nsf.gov/funding/opportunities/pgrp-plant-genome-research-program/nsf24-547/solicitation
- 8. Communications, Circuits, and Sensing-Systems (CCSS), NSF https://www.nsf.gov/funding/opportunities/ccss-communications-circuits-sensing-systems
- 9. Fluid Dynamics, NSF <u>https://www.nsf.gov/funding/opportunities/fluid-dynamics</u>
- 10. Biophotonics, NSF <u>https://www.nsf.gov/funding/opportunities/biophotonics</u>
- 11. Environmental Sustainability, NSF <u>https://www.nsf.gov/funding/opportunities/environmental-sustainability</u>
- 12. Particulate and Multiphase Processes, NSF <u>https://www.nsf.gov/funding/opportunities/particulate-multiphase-processes</u>
- 13. Interfacial Engineering, NSF https://www.nsf.gov/funding/opportunities/interfacial-engineering

- 14. Nanoscale Interactions, NSF <u>https://www.nsf.gov/funding/opportunities/nanoscale-interactions</u>
- 15. Combustion and Fire Systems (CFS), NSF https://www.nsf.gov/funding/opportunities/cfs-combustion-fire-systems
- 16. Infrastructure Innovation for Biological Research (Innovation), NSF <u>https://www.nsf.gov/funding/opportunities/innovation-infrastructure-innovation-biological-research/nsf23-578/solicitation</u>
- 17. Infrastructure Capacity for Biological Research (Capacity), NSF https://www.nsf.gov/funding/opportunities/capacity-infrastructure-capacity-biological-research/nsf23-580/solicitation
- 18. Energy, Power, Control, and Networks (EPCN), NSF https://www.nsf.gov/funding/opportunities/epcn-energy-power-control-networks
- 19. Engineering of Biomedical Systems, NSF <u>https://www.nsf.gov/funding/opportunities/engineering-biomedical-systems</u>
- 20. Catalysis, NSF <u>https://www.nsf.gov/funding/opportunities/catalysis</u>
- 21. Process Systems, Reaction Engineering, and Molecular Thermodynamics, NSF https://www.nsf.gov/funding/opportunities/process-systems-reaction-engineering-molecular
- 22. Disability and Rehabilitation Engineering (DARE), NSF <u>https://www.nsf.gov/funding/opportunities/dare-disability-rehabilitation-engineering</u>
- 23. Cellular and Biochemical Engineering, NSF <u>https://www.nsf.gov/funding/opportunities/cellular-biochemical-engineering</u>
- 24. Facility and Instrumentation Request Process (FIRP), NSF https://www.nsf.gov/funding/opportunities/firp-facility-instrumentation-request-process/nsf23-602/solicitation
- 25. Research Infrastructure in the Social and Behavioral Sciences (RISBS), NSF https://www.nsf.gov/funding/opportunities/risbs-research-infrastructure-social-behavioral-sciences
- 26. Mind, Machine and Motor Nexus (M3X), NSF https://www.nsf.gov/funding/opportunities/m3x-mind-machine-motor-nexus
- 27. Cyberinfrastructure for Public Access and Open Science, NSF <u>https://www.nsf.gov/funding/opportunities/ci-paos-cyberinfrastructure-public-access-open-science</u>
- 28. Multilateral Partnerships Leveraging Excellence (MultiPLEx), NSF <u>https://www.nsf.gov/funding/opportunities/multiplex-multilateral-partnerships-leveraging-excellence</u>
- 29. Life and Environments Through Time (LET), NSF https://www.nsf.gov/funding/opportunities/let-life-environments-through-time/nsf25-517/solicitation
- 30. Infrastructure Systems and People (ISP), NSF <u>https://www.nsf.gov/funding/opportunities/isp-infrastructure-systems-people</u>

- 31. Facilitating Research at Primarily Undergraduate Institutions: Research in Undergraduate Institutions (RUI) and Research Opportunity Awards (ROA), NSF <u>https://www.nsf.gov/funding/opportunities/rui-roa-pui-facilitating-research-predominantly-undergraduate/nsf14-579/solicitation</u>
- 32. Growing Research Access for Nationally Transformative Economic Development (GRANTED), NSF https://www.nsf.gov/funding/opportunities/granted-growing-research-access-nationally-transformative-economic
- 33. Research in the Formation of Engineers (RFE), NSF https://www.nsf.gov/funding/opportunities/rfe-research-formation-engineers

Announcing Previous Important Funding Opportunities

- 1. Preservation and Access Education and Training, NEH Deadline: June 17, 2025 https://www.neh.gov/grants/preservation/preservation-and-access-education-and-training
- Future Manufacturing (FM), NSF Deadline: June 18, 2025 <u>https://www.nsf.gov/funding/opportunities/fm-future-manufacturing/nsf24-525/solicitation</u>
- 3. Materials Research Science and Engineering Centers (MRSEC), NSF Deadline: June 23, 2025 (PP); November 24, 2025 (FP) <u>https://new.nsf.gov/funding/opportunities/mrsec-materials-research-science-engineering-centers/nsf25-532/solicitation</u>
- Research Enhancement Award Program (REAP) for Health Professional Schools and Graduate Schools (R15 Clinical Trial Not Allowed), NIH Deadline: June 25, 2025 <u>https://grants.nih.gov/grants/guide/pa-files/PAR-25-298.html</u>
- D.4 University Leadership Initiative 2 (ULI2), NASA Deadline: June 26, 2025 https://www.grants.gov/search-results-detail/358608
- Basic Scientific Research, US Army Research Institute for the Behavioral and Social Sciences (ARI) Deadline: July 1, 2025 <u>https://www.grants.gov/search-results-detail/358408</u>
- 7. Incorporating Human Behavior in Epidemiological Models (IHBEM), NSF Deadline: July 14, 2025 <u>https://www.nsf.gov/funding/opportunities/ihbem-incorporating-human-behavior-epidemiological-models/nsf25-538/solicitation</u>
- 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) <u>https://www.grants.gov/search-results-detail/355499</u>

- 9. Faculty Early Career Development Program (CAREER), NSF Deadline: July 23, 2025 <u>https://www.nsf.gov/funding/opportunities/career-faculty-early-career-development-program?utm_medium=email&utm_source=GovDelivery</u>
- 10. Law & Science (LS), NSF Deadline: August 1, 2025 https://www.nsf.gov/funding/opportunities/ls-law-science
- 11. Microsystems Technology Office (MTO), DARPA Deadline: August 9, 2025 (Abstract); October 9, 2025 (FP) https://sam.gov/opp/49bbf2a87fb44ac6a5ef8c7d5c1ba292/view
- 12. Grants Program, The Andy Warhol Foundation for the Visual Arts Deadline: September 1, 2025 <u>https://warholfoundation.org/grants/</u>
- 13. Priority HIV/AIDS Research within the Mission of NIDDK (R01 Clinical Trial Optional), NIH **Deadline: September 7, 2025** <u>https://grants.nih.gov/grants/guide/pa-files/PAS-25-073.html</u>
- 14. IUSE/Professional Formation of Engineers: Revolutionizing Engineering Departments (IUSE/PFE: RED), NSF Deadline: September 9, 2025 <u>https://www.nsf.gov/funding/opportunities/iusepfe-red-iuseprofessional-formation-engineers-</u> revolutionizing/nsf24-564/solicitation
- 15. Community Infrastructure for Research in Computer and Information Science and Engineering (CIRC), NSF Deadline: September 12, 2025 <u>https://www.nsf.gov/funding/opportunities/circ-community-infrastructure-research-computer-information/nsf23-589/solicitation</u>
- 16. Computer and Information Science and Engineering (CISE): Core Programs, Large Projects, NSF Application Deadline Window: September 15, 2025 - September 29, 2025 <u>https://new.nsf.gov/funding/opportunities/computer-information-science-engineering-core-0/nsf24-572/solicitation#elig</u>
- 17. Accelerating Computing-Enabled Scientific Discovery (ACED), NSF Deadline: September 17, 2025 <u>https://new.nsf.gov/funding/opportunities/aced-accelerating-computing-enabled-scientific-discovery/nsf24-541/solicitation</u>
- Security, Privacy, and Trust in Cyberspace (SaTC 2.0), NSF Deadline: September 29, 2025 <u>https://new.nsf.gov/funding/opportunities/satc-20-security-privacy-trust-cyberspace/nsf25-515/solicitation</u>
- Security, Privacy, and Trust in Cyberspace (SaTC 2.0), NSF Deadline: September 29, 2025 <u>https://www.nsf.gov/funding/opportunities/satc-20-security-privacy-trust-cyberspace/nsf25-515/solicitation</u>

- 20. Computer and Information Science and Engineering: Core Programs, NSF Application Deadline Window: October 1, 2025 - September 30, 2026 (Small Projects), October 1 -October 23, 2025 (OAC Core Projects and Medium Projects) https://www.nsf.gov/funding/opportunities/computer-information-science-engineering-core-programs/nsf24-589/solicitation
- 21. Exploring Equitable Futures, Robert Wood Johnson Foundation Deadline: October 15, 2025 (Brief Proposal); by invitation only <u>https://www.rwjf.org/en/grants/active-funding-opportunities/2025/exploring-equitable-futures.html</u>
- 22. International Research Experiences for Students (IRES), NSF Deadline: October 27, 2025 https://www.nsf.gov/funding/opportunities/ires-international-research-experiences-students/nsf24-506/solicitation
- 23. Applied Mathematics, NSF Application Deadline Window: November 1, 2025 - November 17, 2025 https://www.nsf.gov/funding/opportunities/applied-mathematics
- 24. Cyberinfrastructure for Sustained Scientific Innovation (CSSI), NSF Deadline: December 1, 2025 <u>https://www.nsf.gov/funding/opportunities/cssi-cyberinfrastructure-sustained-scientific-innovation/nsf22-632/solicitation</u>
- 25. Cybersecurity Innovation for Cyberinfrastructure (CICI), NSF Deadline: January 21, 2026 https://www.nsf.gov/funding/opportunities/cici-cybersecurity-innovation-cyberinfrastructure/nsf25-531/solicitation
- 26. Mid-Career Advancement (MCA), NSF Application Deadline Window: February 1, 2026 - March 2, 2026 https://www.nsf.gov/funding/opportunities/mca-mid-career-advancement
- 27. Collaborations in Artificial Intelligence and Geosciences (CAIG), NSF Deadline: February 4, 2026 https://www.nsf.gov/funding/opportunities/caig-collaborations-artificial-intelligence-geosciences/nsf25-530/solicitation
- 28. Translation and Diffusion (TD), NSF Deadline: February 4, 2026 <u>https://www.nsf.gov/funding/opportunities/td-translation-diffusion/nsf25-528/solicitation</u>



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