



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 04/30/2021 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 by e-mail or MS Teams.

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1. Scientific Exchanges Program, Department of Agriculture, Foreign Agricultural Service

Application Deadline: June 10, 2021

Program Overview and Priorities

The Scientific Exchanges Program (SEP) advances USDA's agricultural research goals to promote collaborative programs among agricultural professionals of eligible countries, the United States, the international agricultural research system, and United States entities conducting research in the agricultural sciences. SEP accomplishes this by providing fellowships to individuals from eligible countries who specialize or have experience in agricultural education, research, extension, or other related fields. Fellowships promote food security and economic growth in eligible countries by educating a new generation of agricultural scientists, increasing scientific knowledge and collaborative research to improve agricultural productivity, and extending that knowledge to users and intermediaries in the marketplace. The collaborative nature of the training and research programs benefits the fellow, his or her home institution, and partner country; the U.S. host institution, its professors, researchers, and students; and the global agricultural sector by improving agricultural productivity, systems, and processes in partnering nations through the transfer of new science and agricultural technologies.

Program Objectives

USDA will issue up to 11 awards under this announcement.

Award 1: USDA will provide an award focusing on understanding food safety issues with a direct impact on international agricultural trade, such as sanitary and phytosanitary (SPS) measures and technical barriers to trade (TBT). The award will focus on assisting West African nations in improving their food safety systems by offering "real-world" research opportunities on food safety issues and topics related to SPS measures and TBT. Recipients should consider the potential for using Climate Smart Agriculture (CSA) to improve food safety. Additionally, the award will provide a platform for researchers of the same cohort to share ideas and foster collaboration to lead to better intraregional coordination on food safety issues. More broadly, through their research, fellows will affirm the importance of the international standard setting bodies (Codex Alimentarius, the International Plant Protection Convention and the World Organization for Animal Health) to agricultural policy makers responsible for the development or improvement of national food safety regimes throughout West Africa.

After recipient(s) are awarded, they will be expected to identify and propose fellows to USDA for final concurrence. Although each fellow should be assigned a specific faculty member as a one-on-one research mentor, USDA envisions that fellows will participate as a cohesive cohort, rather than at individual times, and applicants should prepare their approach accordingly. The award will support a group of fellows from the West Africa region. After recipient(s) are awarded, a project workplan will also be required.

Awards 2-11: USDA will provide up to 10 awards for CSA and food systems research. CSA is an integrated approach to managing landscapes—cropland, livestock, forests, and fisheries—that address the interlinked challenges of food security and accelerated climate change. Food systems refers to how climate change efforts can be addressed throughout the agricultural production system, including food loss and waste, sustainable materials management and the development of local and regional markets. USDA is seeking proposal submissions that includes CSA for countries in the African, Asian, Central American, Latin American, and or the Middle Eastern Regions.

For all Awards: Each program plan should incorporate elements of leadership and science communication to empower fellows to advocate for sound policy to peers, decision-makers, and the public. In addition, plans should contribute to the strategic goals and objectives of individual fellows, the host institutions and USDA, as well as provide an opportunity for the application of research agendas that can have a direct impact on international trade, food security and economic growth in emerging economies. CSA should be factored into each prospective program plan. Programs are expected to include collaboration with and input from relevant stakeholders, such as U.S. regulatory agencies and the Office of the United States Trade Representative.

Ideally, fellows and host institutions will share the knowledge gained through these endeavors in their classroom and extension work with their faculty, students, extension officers, constituents, policy makers, and other stakeholders in the international agricultural marketplace; and that they will continue to maintain professional contacts with the fellows after their departure from the United States.

PLACE OF PERFORMANCE

- The applicant is expected to host fellows at a research facility on their campus in the United States, with orienting visits to U.S. government regulatory agency in Washington, DC or elsewhere; and field visits as appropriate.

- Programs should include time at the USDA in Washington DC at the commencement and at the end of their fellowship program to brief and debrief with key USDA officers. The selected awardees will coordinate with the USDA program manager. Programs should also include virtual meetings, outreach, and other activities.
- Each fellow’s one-on-one mentor is expected to make a reciprocal visit of up to two weeks to the fellow’s home institution.

Link to Additional Information: Go to www.grants.gov and search for Funding Opportunity Number USDA-FAS-10620-0762-10-21-0001

2. FY 2021 EDA University Center Competition – PRO, Department of Commerce

Application Deadline: June 4, 2021

This NOFO announces the availability of funding for EDA’s FY 2021 University Center Economic Development Program Competition. This program funds technical assistance provided by an accredited institution of higher education or a consortium of accredited institutions of higher education that is focused on one or more of the following program focus areas: advancing regional commercialization efforts, advancing high-growth entrepreneurship, cultivating innovation, encouraging business expansion in a region’s innovation cluster(s), developing a high-skilled regional workforce, and increasing the resiliency of a region. EDA solicits competitive applications from accredited institutions of higher education and from consortia of accredited institutions of higher education that are located in and have programs targeting only geographic areas served by EDA’s Chicago and Philadelphia Regional Offices.

EDA recognizes that institutions of higher education are critical players in the development of vibrant economic ecosystems. Universities are sources of significant economic development assets—such as faculty, staff, students, research and proof of concept centers, laboratories, and high-speed broadband networks—that can support regional economic growth. In addition, universities create significant knowledge spillovers and possess broader and deeper networks of expertise that can assist innovators and entrepreneurs. Potential university-based support for economic growth includes the commercialization of research, the conversion of intellectual property and ideas into products and services, and the support of regionally-owned strategies that support business expansion and job creation. Additionally, universities facilitate environments conducive to trade and global exports by providing services for businesses to connect to international markets.

The purpose of EDA’s University Center Economic Development Program (also referred to in this announcement as the University Center program) is to enable institutions of higher education and consortia of institutions of higher education to establish and operate University Centers specifically focused on using university assets to build regional economic ecosystems that support innovation and high-growth entrepreneurship, resiliency and inclusiveness. University Centers collaborate with other EDA partners, such as Economic Development Districts (EDDs) by providing expertise and technical assistance to develop, implement, and support regional strategies that result in job creation, high-skilled regional talent pools, and business expansion in a region’s innovation clusters. Expertise and technical assistance may address, for example, workforce training programs, applied research centers, technology commercialization, feasibility studies, market research, economic impact analyses training, and other technical assistance to help communities foster vibrant economic ecosystems.

EDA encourages the submission of applications that will create and nurture regional economic ecosystems through science, technology, engineering, and math (STEM) skill development, workforce training opportunities, applied research and development, technology commercialization, and targeted activities that cultivate entrepreneurship and improve regional economic development. A regional economic ecosystem supports innovation clusters through three main components:

- A highly networked inclusive regional talent pool, with specialized expertise relevant to the region’s innovation clusters (including connections along the supply chain and across disciplines so that researchers, academics, investors, suppliers, and entrepreneurs can efficiently share ideas and best practices);
- A support system for turning discoveries into marketable goods and services, including business counseling, incubation programs, and proof-of-concept centers; and
- Innovation infrastructure (which includes both tangible and non-tangible types) necessary to support innovation and resiliency such as education, workforce development, and financial infrastructure.

Link to Additional Information: <https://www.eda.gov/programs/university-centers/>

3. Geoscience Opportunities for Leadership in Diversity, National Science Foundation

Application Deadline: Proposals Accepted Anytime

The GOLD Program supports the mission of achieving greater and more systemic diversity by creating a network of champions who can generate greater implementation of evidence-based best practices and resources to promote belonging, accessibility, justice, equity, diversity and inclusion (BAJEDI) throughout the geoscience education, research enterprise and workforce. Supported projects will research and develop the complex interplay of environmental context, personal traits, and motivating factors that must be considered in creating BAJEDI champions and supporting efforts that make the geosciences welcoming to all.

The geosciences continue to lag other science, technology, engineering, and mathematics (STEM) disciplines in the engagement, recruitment and retention of traditionally underrepresented and underserved minorities, requiring more focused and strategic efforts to address this problem. Diversity is a vital priority for the geosciences community because it promotes innovation, strengthens the community's ability to tackle complex geoscience research problems, and engenders widespread public Earth and environmental science literacy.

Prior investments made by the National Science Foundation (NSF) related to broadening participation in STEM have identified many effective strategies and model programs for engaging, recruiting, and retaining underrepresented students in the geosciences. These investments also have documented clearly the importance of committed, knowledgeable, and persistent leadership for making local progress in broadening participation in STEM and the geosciences. Achieving diversity at larger and systemic scales requires a network of diversity "champions" who can catalyze widespread adoption of these evidence-based best practices and resources. Although many members of the geoscience community are committed to the ideals of broadening participation, the skills and competencies that empower people who wish to have an impact, and make them effective as leaders in that capacity for sustained periods of time, must be cultivated through professional development. But it is not sufficient to educate prospective leaders on the issues and resources related to broadening participation in STEM. Research on leadership development has documented the complex interplay of personal traits, motivating factors, and environmental contexts that must also be considered in making such professional development efforts successful.

Link to Additional Information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505906

4. Building Interdisciplinary Research Careers in Women's Health Program (BIRCWH) (K12 Clinical Trial Optional), Department of Health and Human Services, National Institutes of Health

Application Deadline: June 11, 2021

The NIH Office of Research on Women's Health (ORWH) and participating NIH Institutes and Centers invite institutional career development award applications for Building Interdisciplinary Research Careers in Women's Health (BIRCWH) Career Development Programs, hereafter termed "Programs". Programs will support mentored research career development of junior faculty members, known as BIRCWH Scholars, who have recently completed clinical training or postdoctoral fellowships, and who will be engaged in interdisciplinary basic, translational, behavioral, clinical, and/or health services research relevant to the health of women and, where appropriate, the use of both sexes to better understand the influence of sex as a biological variable on health and disease.

The objectives of this BIRCWH initiative are to increase the number and skills of investigators through a mentored research and career development experience leading to an independent scientific career that will benefit the health of women; advance research on sex/gender influences on health; and encourage interdisciplinary research methodology. This BIRCWH FOA will provide opportunities for an interdisciplinary, mentored career development experience that would otherwise not be available to facilitate the transition to research independence for junior faculty researchers who are conducting interdisciplinary research relevant to the health of women, and where appropriate, the use of both sexes to better understand the influence of sex as a biological variable on health and disease. For additional information, please visit [ORWH website for SABV](#), and ([NOT-OD-15-102](#)).

The BIRCWH Program is built around three pillars: interdisciplinary research, mentoring, and career development. Interdisciplinary research, as defined by the National Academy of Sciences (NAS) in 2008, is a mode of research that integrates information, data, techniques, tools, perspectives, concepts, and/or theories from two or more disciplines or bodies of specialized knowledge to advance fundamental understanding, or to solve problems whose solutions are beyond the scope of a single discipline or area of research practice. As such, interdisciplinary science teams work to advance fundamental understanding and solve problems that those from a single discipline could not.

Interdisciplinary mentoring teams are essential to the BIRCWH Program, and as such, an inter-professional, team-based approach for mentoring BIRCWH Scholars is expected. These teams should include mentors from diverse disciplines to carry out interdisciplinary

projects. Team members may include individuals from medical, dentistry, pharmacy, nursing, public health, health services, biotechnology, behavioral and social sciences, anthropology, genetics, and other disciplines representing different perspectives and areas of expertise. These teams come together to collaborate as a unit, with the common goal of supporting a BIRCWH Scholar in the transition from trainee to independent researcher. In this funding opportunity announcement (FOA), the interdisciplinary team approach is applied to the study of the health of women across the lifespan, bridging basic and clinical science and incorporating new models of collaboration and institutional support. Proposed Programs must ensure the integration of interdisciplinary mentoring teams.

Link to Additional Information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-21-006.html>

5. Robert Noyce Teacher Scholarship Program, National Science Foundation

Application Deadline: August 31, 2021

The National Science Foundation Robert Noyce Teacher Scholarship Program (Noyce) invites innovative proposals that address the critical need for recruiting, preparing, and retaining highly effective elementary and secondary mathematics and science teachers and teacher leaders in high-need school districts. To achieve this goal, Noyce supports talented science, technology, engineering, and mathematics (STEM) undergraduate majors and professionals to become effective K-12 STEM teachers. It also supports experienced, exemplary K-12 STEM teachers to become teacher leaders in high-need school districts. In addition, Noyce supports research on the effectiveness and retention of K-12 STEM teachers in high-need school districts.

The Robert Noyce Teacher Scholarship Program (Noyce) responds to the critical need for highly effective K-12 STEM teachers and teacher leaders. Noyce supports institutions of higher education to develop and sustain a culture where undergraduate STEM majors and STEM professionals are encouraged and supported to become teachers in high-need school districts. The program especially encourages the recruitment and support of STEM majors and professionals of the highest achievement and ability who might otherwise not have considered a career in K-12 teaching. Noyce also supports experienced, exemplary STEM teachers to become teacher leaders in high-need school districts. In addition to institutions of higher education, Noyce supports professional societies and similar organizations that are directly associated with educational or research activities to conduct research on the effectiveness and retention of K-12 STEM teachers in high-need school districts.

By supporting the recruitment, preparation, and development of effective, diverse, and capable STEM teachers who will teach in high-need school districts serving diverse student populations, Noyce contributes to strategic objective SG3/SO3.1 in the NSF Strategic Plan for 2018-2022: "Attract, retain, and empower a diverse workforce." Through programmatic support, Noyce aims to create, enhance, and study teacher preparation learning environments and professional development experiences marked by diversity, equity, and inclusion. As efforts to diversify the K-12 STEM teaching profession, particularly in high-need schools and districts, continue to be a national priority, Noyce encourages the submission of proposals with a concentrated focus on the recruitment, preparation, and retention of STEM teachers from talent pools that have not yet been fully tapped, including Blacks and African Americans, Alaska Natives, American Indians, Hispanics, Native Hawaiians, Native Pacific Islanders, and persons with disabilities. Noyce also supports the role of NSF as central to discovering, studying, and promoting pathways for STEM teacher education through research and development.

Noyce offers four program tracks:

- Track 1: The Robert Noyce Teacher Scholarships and Stipends (S&S) Track,
- Track 2: The NSF Teaching Fellowships (TF) Track,
- Track 3: The NSF Master Teaching Fellowships (MTF) Track, and
- Track 4: The Noyce Research Track.

In addition, Capacity Building proposals are accepted from proposers intending to develop a proposal in any of the program's tracks.

Table 1: Categories of Noyce Funding*

	Intended Outcome	Eligible Preservice or Inservice Teachers	Length of Required Teaching Commitment
Track 1: Scholarships and Stipends (S&S) up to \$1,200,000 with a duration of up to 5 years	Develop K-12 STEM teachers in high-need school districts	Noyce-eligible STEM undergraduate majors & STEM professionals	2 years/year of support
Track 2: Teaching Fellowships (TF) up to \$3,000,000, with a duration of up to 6 years		Noyce-eligible STEM professionals	4 years

	Intended Outcome	Eligible Preservice or Inservice Teachers	Length of Required Teaching Commitment
Track 3: Master Teaching Fellowships (MTF) up to \$3,000,000, with a duration of up to 6 years	Develop K-12 STEM teacher leaders in high-need school districts	K-12 STEM teachers with a bachelor's degree or master's degree in their field	5 years
Track 4: Noyce Research up to \$1,000,000, with a duration of up to 5 years	Research effectiveness and retention of K-12 STEM teachers in high-need school districts	N/A	N/A
Capacity Building up to \$75,000, with a duration of up to 1 year	N/A	N/A	N/A

*Awards may exceed the budget maximums through Collaboration Incentives for engagement of community colleges in Capacity Building or Track 1 projects, engagement with Noyce awards in Track 4 projects, or engagement with minority-serving institutions in any Noyce submission. See Section III: Award Information for additional details.

Link to Additional Information: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf21578

6. Systems-Level Risk Detection and Interventions to Reduce Suicide, Ideation, and Behaviors in Black Children and Adolescents (R01 Clinical Trial Optional), Department of Health and Human Services, National Institutes of Health

Application Deadline: June 29, 2021

The announcement would solicit pilot studies that develop and test the effectiveness of multi-level systems interventions that predict suicide risk and/or connect. Black youth who are at risk for suicide and suicidal behaviors, to needed treatment and services to prevent suicide. There would be a companion R01 announcement. The purpose of the R01 FOA is to provide resources for evaluating the feasibility, acceptability, and safety of novel community-based, systems level approaches to improving outcomes, assessing and modifying health risk behavior, and for obtaining the preliminary data needed as a prerequisite to a larger-scale (efficacy or effectiveness) services study. These must incorporate community or stakeholder advisory boards (which include members of the communities served, providers, youth, etc.), to help inform the development of the intervention.

The purpose of this Funding Opportunity Announcement (FOA) is to encourage research that tests the effectiveness of systems-level strategies for the detection and prevention of SIB and/or NSSI specifically among Black children and adolescents. It solicits research projects that:

- 1) Optimize a service system intervention that coordinates systematic risk identification, evaluation, and linkage to quality treatment and services for Black youth;
- 2) Test the feasibility and effectiveness of the intervention in detecting and responding to vulnerable youth within and across various relevant community settings; and
- 3) Examine factors that potentially impact the intervention's implementation and potential for future uptake in diverse settings across the U.S.

Strategies should incorporate individual-, family-, community-, provider-, and organizational-level factors where there is evidence that these may optimize effectiveness and rapid uptake, implementation, and sustained delivery. Connections to care should target treatment and services with proven effectiveness in reducing SIB and/or NSSI, with attention to factors that impact availability, accessibility, and fidelity of delivery to Black youth in a sustained and coordinated way. This research focuses on systems-level interventions and strategies to improve outcomes for youth and is not intended to support the development of new screening tools, assessment instruments, or individual-level preventive or therapeutic interventions.

Interventions and strategies developed under this announcement should include coordination and collaboration within or across youth-serving systems and programs to facilitate risk identification, access to, and rapid engagement in quality treatment, services, and preventive interventions. Of particular interest are interventions and strategies that address culturally relevant factors that have been empirically associated with enhancing and protecting against SIB and/or NSSI risk in Black youth and Black LGBTQ+SGL youth. Research generating new information about factors causing/reducing disparities is strongly encouraged.

This FOA is intended to support research that reflects a deployment-focused model of services design and testing that considers the perspective of key stakeholders and the characteristics of the settings (e.g., workforce capacity; existing workflows) targeted. The

attention to end-user perspectives is intended to ensure that service delivery strategies are feasible and scalable, and that the research results will have utility.

Opportunities for detection and prevention may occur at various points of youth contact across an array of mental health specialty and non-specialty settings, including, but not limited to: behavioral or primary health care settings, educational or vocational settings, family or social services, law enforcement and juvenile justice settings, religious or faith-based community settings, and residential or institutional settings. This FOA invites testing of intervention strategies that are designed to be delivered in typical settings using commonly available personnel and resources, to enhance the implementation of interventions that prove effective, enhance their future uptake in diverse settings, and thereby reduce risk of SIB and/or NSSI in this population.

Collaboration with multiple stakeholders (e.g., case managers, social workers, parole or probation officers, school personnel, peer-counselors, vulnerable youth and their family members, community program managers, policy leaders, etc.) can contribute to shaping interventions that can be feasibly delivered and have likelihood of rapid scale-up. The ability to link multiple data systems may enable assessment of the efficiency and full impact of interventions.

Link to Additional Information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-21-185.html>

7. Research and Evaluation for the Testing and Interpretation of Physical Evidence in Publicly Funded Forensic Laboratories, Fiscal Year 2021, Department of Justice, National Institute of Justice

Application Deadline: June 3, 2021

The Department of Justice is committed to advancing work that promotes civil rights, increases access to justice, supports crime victims, protects the public from crime and evolving threats, and builds trust between law enforcement and the community. The purpose of the CFDA 16.560 (the National Institute of Justice Research, Evaluation, and Development Projects Grants program) is to foster research to develop new knowledge and tools to address the challenges of crime and justice in the United States. With this solicitation, NIJ seeks proposals for rigorous research and evaluation projects that will: Identify and inform the forensic community of best practices through the evaluation of existing laboratory protocols. Have a direct and immediate impact on laboratory efficiency and assist in making laboratory policy decisions. The intent of this program is to direct the findings of the research and evaluation toward the identification of the most efficient, accurate, reliable, and cost-effective methods for the identification, analysis, and interpretation of physical evidence for criminal justice purposes. Projects should address the challenges and needs of the forensic science community, including but not limited to, the operational needs discussed at the 2020 TWG meeting, which may be found on NIJ.ojp.gov. NIJ's Forensic Science Technology Working Group (TWG) assists in identifying and prioritizing operational needs and requirements of the field, which are intended to facilitate proposal development. Additional research needs of the forensic science community can be found at the Organization of Scientific Area Committees website.

NIJ's Research and Evaluation for the Testing and Interpretation of Physical Evidence in Publicly Funded Forensic Laboratories program is intended to meet the following goals and objectives. **Proposals should address at least one of the goals specified below:**

- 1. Assessing Existing Laboratory Protocols – Improve the understanding of scientific rationale underpinning existing laboratory processes.** To achieve this goal, applicants should perform research and evaluation of existing laboratory schemes and methods to determine possible improvements. Examples of such projects include:
 - of minimum acceptance criteria of analytical data, such as mass spectra, generated in case samples.
 - of accuracy gained from additional orthogonal testing of controlled substance samples.
 - of the effectiveness of a blind verification program for technical reviews; and
 - of implementation of software and statistical methods used for the interpretation of DNA mixtures.
- 2. Evaluating Emerging Methods – Assess the value of emerging laboratory processes.** To achieve this goal, applicants should conduct research to compare emerging methods to those currently used to accomplish the same purpose in publicly funded forensic laboratories. These evaluations should consider factors such as accuracy, reliability, cost, and analysis time. Examples of such projects include:
 - of a newly developed comprehensive method to existing multi-step method(s).
 - of methodology or instrumentation new to the laboratory or field to instrumentation that is currently used in the laboratory.

Proposals should employ a scientific approach to determine how to assess the testing and processing of physical evidence. These approaches should take into consideration general variables, such as accuracy, reliability, cost-effectiveness, and efficiency, and make clear which of these aspects may need improvement. Every effort should be made to validate the research using actual casework samples. If this is not possible, applications should describe barriers preventing the use of casework samples and detailed methodology for creating realistic proxy samples.

Link to Additional Information: <https://nij.ojp.gov/funding/opportunities/o-nij-2021-95002>

8. Short Documentaries, National Endowment for the Humanities

Application Deadline: August 11, 2021

The National Endowment for the Humanities (NEH) Division of Public Programs is currently accepting proposals for the Short Documentaries program. The Short Documentaries program supports the production and distribution of documentary films up to 30 minutes that engage audiences with humanities ideas in appealing ways. The program aims to extend the humanities to new audiences through the medium of short documentary films. Films must be grounded in humanities scholarship. The Short Documentaries program supports production of single films or a series of thematically-related short films addressing significant figures, events, or ideas. The proposed film(s) must be intended for regional or national distribution, via broadcast, festivals, and/or online distribution. The subject of the film(s) must be related to [“A More Perfect Union”: NEH Special Initiative Advancing Civic Education and Commemorating the Nation’s 250th Anniversary](#).

Applicants must have consulted with a team of scholarly advisers in the humanities to develop the humanities themes, subjects, and ideas that the film(s) will explore. The humanities scholars must provide diverse perspectives, and incorporate a range of scholarly ideas and approaches.

All Short Documentaries projects must:

- relate to *A More Perfect Union: Exploring America's Story and Commemorating its 250th Anniversary*
- employ formats that will engage the general public in learning
- build on sound humanities scholarship
- deepen public understanding of significant humanities questions
- approach a subject analytically, presenting a variety of perspectives
- involve humanities scholars in all phases of development and production
- involve appropriate media professionals

To be ready to apply for a Short Documentaries award, you should have:

- completed research on your subject, including archival work and preliminary interviews
- involved humanities scholars in creating and interpreting the project’s content
- drafted a treatment for the film(s)
- designed your plans for distribution, outreach, and partnerships

Short Documentaries awards may support activities such as:

- meetings with scholars
- script refinement
- shooting and editing short films
- creation or enhancement of resources, including websites or other digital components, related to the proposed short film(s)
- distribution, outreach, and public engagement related to the proposed short film(s)

Link to Additional Information: <https://www.neh.gov/grants/listing/short-documentaries>

9. Media Projects, National Endowment for the Humanities

Application Deadline: August 11, 2021

The National Endowment for the Humanities (NEH) Division of Public Programs is accepting applications for the Media Projects program. The purpose of this program is to support collaboration between media producers and scholars to develop humanities content

and to prepare documentary films, radio, and podcasts that engage public audiences with humanities ideas in creative and appealing ways. All projects must be grounded in humanities scholarship. Media Projects awards are made at two levels: Development and Production.

The Media Projects program supports the development, production, and distribution of radio, podcast, long-form documentary films, and documentary film series that engage general audiences with humanities ideas in creative and appealing ways. Projects must be grounded in humanities scholarship and demonstrate an approach that is thoughtful, balanced, and analytical; proposals must demonstrate the potential to attract a broad general audience.

The Division of Public Programs encourages media projects that promote a deeper understanding of American history and culture and advance civic education, as well as those that examine international themes and subjects in the humanities.

Film and television projects may be single “stand-alone” films or programs or a series. Films must be longer than thirty minutes.

Radio and podcast projects may be single programs, series, or segments within an ongoing program.

Regardless of subject and format, all projects should be intended for national or regional distribution. Proposed projects may include supplementary components, for example discussion programs or websites. All Media Projects proposals must:

- build on sound humanities scholarship
- deepen public understanding of significant humanities questions
- approach a subject analytically, presenting a variety of perspectives
- involve humanities scholars in all phases of development and production
- involve appropriate media professionals
- employ appealing and accessible program formats that will actively engage the general public in learning

Link to Additional Information: <https://www.neh.gov/program/media-projects>

10. CyberCorps(R) Scholarship for Service, National Science Foundation

Application Deadline: July 28, 2021

Cyberspace has transformed the daily lives of people. Society’s overwhelming reliance on cyberspace, however, has exposed the system’s fragility and vulnerabilities: corporations, agencies, national infrastructure, and individuals continue to suffer cyber-attacks. Achieving a truly secure cyberspace requires addressing both challenging scientific and engineering problems involving many components of a system, and vulnerabilities that stem from human behaviors and choices. Examining the fundamentals of security and privacy as a multidisciplinary subject can lead to fundamentally new ways to design, build, and operate cyber systems, protect existing infrastructure, and motivate individuals to learn about cybersecurity. The Cybersecurity Enhancement Act of 2014, as amended by the National Defense Authorization Acts for 2018 and 2021, authorizes the National Science Foundation, in coordination with the Office of Personnel Management and the Department of Homeland Security, to offer a scholarship program to recruit and train the next generation of cybersecurity professionals to meet the needs of the cybersecurity mission for federal, state, local, and tribal governments.

The goals of the CyberCorps(R): Scholarship for Service (SFS) program are aligned with the U.S. strategy to develop a superior cybersecurity workforce. These goals are to increase the quantity of new entrants to the government cyber workforce, to increase the national capacity for the education of cybersecurity professionals, to increase national research and development capabilities in critical information infrastructure protection, and to strengthen partnerships between institutions of higher education and relevant employment sectors. The SFS program welcomes proposals to establish or to continue scholarship programs in cybersecurity. All scholarship recipients must work after graduation for a federal, state, local, or tribal Government organization in a position related to cybersecurity for a period equal to the length of the scholarship. A proposing institution must provide clearly documented evidence of a strong existing academic program in cybersecurity. Such evidence can include ABET accreditation in cybersecurity; a designation by the National Security Agency and the Department of Homeland Security as a Center of Academic Excellence in Cyber Defense Education (CAE-CDE), in Cyber Operations (CAE-CO) or in Research (CAE-R); or equivalent evidence documenting a strong program in cybersecurity. The SFS program also supports efforts leading to an increase in the ability of the United States higher education enterprise to produce cybersecurity professionals. Funding opportunities in this area are provided via the [Secure and Trustworthy Cyberspace - Education Designation \(SaTC-EDU\)](#) and other programs (see the section “Increasing National Capacity in Cybersecurity Education” for more details.)

The SFS program provides funds to institutions of higher education for student scholarships in support of education in areas relevant to cybersecurity. Each scholarship recipient, as a condition of receiving a scholarship under the SFS program, enters into an agreement under which the recipient, upon receipt of their academic degree, agrees to work for a period equal to the duration of the scholarship in

the cybersecurity mission of an executive agency (as defined in 5 U.S. Code § 105) or, subject to prior approval, in the cybersecurity mission of:

1. Congress, including any agency, entity, office, or commission established in the legislative branch;
2. an interstate agency;
3. a state, local, or tribal government; or
4. a state, local, or tribal government-affiliated non-profit organization that is considered to be critical infrastructure (as defined in 42 U.S. Code § 5195c(e)).

The U.S. Office of Personnel Management (OPM) partners with NSF in this program by providing assistance to SFS scholarship students, by coordinating students' transition into government employment, by monitoring students' compliance with program requirements, and by assessing whether the program helps meet the personnel needs of the federal government for information infrastructure protection. Grantee institutions provide scholarship support to students who compete successfully in a selection process developed by the institution, who meet the SFS eligibility criteria, and who are confirmed by OPM as qualified for employment in a cybersecurity-related position.

The program's goal is a full student placement in government cybersecurity positions with at least 70 percent of scholarship recipients securing placement in the executive branch of the Federal government. While SFS scholarship recipients are responsible for their own job searches, the OPM/SFS program office provides several tools to aid in the job search, including annual job fairs. PIs and SFS scholarship students are expected to participate actively with OPM to secure both a summer internship and permanent placement in the executive branch of the federal government. With permission of the OPM/SFS program office, a limited number of students, but no more than 20 percent of scholarship recipients, may be placed in a non-executive federal agency; state, local or tribal government organization; National Laboratories; or Federally Funded Research and Development Centers (FFRDCs).

Link to Additional Information: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf21580

11. Systems Approach to Understand Mechanisms of Heterogeneous Response to Influenza (R01), Department of Health and Human Services, National Institutes of Health

Application Deadline: September 8, 2021

The purpose of this Funding Opportunity Announcement (FOA) is to support the identification of mechanisms behind heterogeneous responses in the population to influenza infection and/or vaccination through development and application of computational tools. Seasonal influenza epidemics, caused by influenza A and B viruses, result in 3–5 million severe cases and 300,000–500,000 deaths globally each year. The burden of influenza can vary widely between seasons, in part due to characteristics of the circulating viruses, the existing immunity in the population, and the effectiveness of seasonal influenza vaccines against the circulating virus strains.

The question of why some individuals mount a more effective immune response to influenza vaccination than others has been under investigation for many years but remains a fundamental knowledge gap that is essential for the design of effective vaccines. Additionally, infection with influenza can cause disease ranging from mild to hospitalization and death for reasons that are not fully known. Previous studies encountered numerous challenges to answer these questions including the diversity of circulating influenza viruses, complexity of immune history across the population, genetics of the immune system, inter-individual variations that influence immune responses (e.g., biological sex, age, and ethnicity), and the lack of necessary scientific tools. The current availability of technologies for next generation sequencing, mass spectrometry, and single cell analyses, dissection of the factors of vaccine- and infection-induced immune responses are feasible and could reveal possible novel correlates of protection for predicting vaccine efficacy and designing optimal vaccination strategies.

NIAID has begun to implement the [NIAID Universal Influenza Vaccine Strategic Plan](#) through a variety of new programs. Many of these research studies involve the analysis of responses to influenza infection and vaccination in cohort studies or the testing of novel influenza vaccine candidates in clinical trials. Detailed analysis of the findings from these studies, especially using computational tools well-suited to complex and large data sets, has the potential to reveal new correlates of protection, risk, or other predictive markers of response to influenza.

This initiative will recruit computational expertise to develop tools and perform analyses that enable the discovery of mechanisms driving heterogeneous response to influenza vaccine or infection. Pursuing the development and application of these tools could reveal correlates of protection in distinct populations such as children, the elderly and immuno-compromised individuals, which have eluded the influenza field for decades, as well as reveal novel pathways to target for improved breadth or durability of vaccines. If successful, this research could reveal new vaccine strategies, thus improving and de-risking influenza vaccine design.

Research Objectives and Scope

This initiative will support the identification of mechanisms behind heterogeneous responses in the population to seasonal influenza infection and/or vaccination through development and application of computational tools. Tools that can integrate molecular, genetic, cellular, patient and/or population-level data sets would specifically be targeted. The application of these tools to data being produced in existing clinical trials and cohort studies will reveal novel correlates of protection and risk for influenza as well as reveal mechanisms behind the observed outcomes. Applications are sought that propose well-integrated, cross-disciplinary research teams with strong computational expertise.

Outreach activities that will inform researchers about the approaches and resources (datasets, analysis tools) generated under this initiative and promote collaborations with the pertinent scientific communities are encouraged. Examples of appropriate outreach forums may include, for example, the organization of hands-on workshops to promote the use of the analysis tools developed by the program.

Specifically, this initiative will support research on the following topics:

- Identification of the mechanisms regulating the effects of host factors including age, sex, microbiome, immune history, or immune status on the host response to natural infection or vaccination.
- Identification of markers of severe outcome to infection.
- Identification of markers of response/nonresponse to seasonal influenza vaccine.

Link to Additional Information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-21-017.html>

12. Support for Research Excellence (SuRE) Award (R16), Department of Health and Human Services, National Institutes of Health

Application Deadline: May 26, 2021; May 26, 2022 & May 26, 2023

SuRE is a research capacity building program designed to develop and sustain research excellence in U.S. higher education institutions that receive limited NIH research support and serve students from groups underrepresented in biomedical research NOT-OD-20-031 with an emphasis on providing students with research opportunities and enriching the research environment at the applicant institutions. The purpose of SuRE awards is to provide research grant support for faculty investigators at eligible institutions who have prior experience in leading externally-funded, independent research but are not currently funded by any NIH Research Project Grants with the exception of SuRE or SuRE-First awards.

The National Institutes of Health (NIH) recognizes that scientists and students from diverse backgrounds and life experiences bring different perspectives, creativity, and individual enterprise to address complex scientific problems. Benefits of a diverse scientific workforce include fostering scientific innovation, enhancing global competitiveness, contributing to robust learning environments, improving the quality of the research, advancing the likelihood that underserved populations participate in, and benefit from health research, and enhancing public trust. Yet many institutions that enroll significant numbers of students from groups underrepresented in science are under-resourced and their faculty receive fewer NIH research grants ([Hoppe 2019](#)). There is a pressing need to enhance biomedical research capacity and opportunities for student research at these institutions. The Support of Research Excellence (SuRE) program aims to develop and sustain research excellence at such institutions through supporting investigator-initiated research with strong student participation and providing resources to establish and enhance Offices of Sponsored Programs.

Program Objectives

The SuRE program supports research capacity building at institutions that enroll significant numbers of students from backgrounds nationally underrepresented in biomedical research (see [NOT-OD-20-031](#)), award baccalaureate and/or graduate degrees in biomedical sciences, and receive limited NIH [Research Project Grant](#) funding. It seeks to develop and sustain research excellence of faculty investigators and provide students with research opportunities while catalyzing institutional research and enriching the research environment. The SuRE program will support investigator-initiated research in the biomedical, clinical, behavioral and social sciences (collectively termed "biomedical" sciences) that falls in the mission areas of NIH Institutes, Centers and Offices. Research activities funded by the SuRE program require participation by students. Two distinct funding opportunity announcements will be utilized to support research projects led by faculty investigators at different career stages. A third SuRE funding opportunity announcement will support a national resource center to provide infrastructure development to SuRE-eligible institutions and application services to faculty investigators.

This funding opportunity announcement is for the SuRE Award that supports faculty investigators with prior experience in leading independent research who are not currently funded by an [NIH Research Project Grant](#) with the exception of SuRE or SuRE-First awards. SuRE-supported projects must have student participation in the execution, analysis, and reporting of the research. An applicant institution must demonstrate a commitment to build its research capacity and support the Principal Investigator for the award.

Link to Additional Information: <http://grants.nih.gov/grants/guide/pa-files/PAR-21-169.html>

13. Resilient & Intelligent NextG Systems, National Science Foundation

Application Deadline: July 29, 2021

The RINGS program seeks to accelerate research in areas that will potentially have significant impact on emerging Next Generation (NextG) wireless and mobile communication, networking, sensing, and computing systems, along with global-scale services, with a focus on greatly improving the resiliency of such networked systems among other performance metrics. Modern communication devices, systems, and networks are expected to support a broad range of critical and essential services, incorporating computation, coordination, and intelligent decision making. Resiliency of such systems, which subsumes security, adaptability, and autonomy, will be a key driving factor for future NextG network systems. Resiliency in both design and operations ensures robust network and computing capabilities that exhibit graceful performance- and service-degradation with rapid adaptability under even extreme operating scenarios. The RINGS program seeks innovations to enhance both resiliency as well as performance across the various aspects of NextG communications, networking and computing systems. This program seeks to go beyond the current research portfolio within the individual participating directorates by simultaneously emphasizing gains in resiliency (through security, adaptability and/or autonomy) across all layers of the networking protocol and computation stacks as well as in throughput, latency, and connection density. In this program, NSF is partnering with the Office of the Under Secretary of Defense for Research and Engineering (OUSD R&E), the National Institute of Standards and Technology (NIST) and a number of industry partners shown above. This program seeks to fund collaborative team research that transcends the traditional boundaries of individual disciplines to achieve the program goals.

The goal of the RINGS program is to approach the design of NextG network systems from a different perspective by considering resiliency as the primary consideration while aiming for superior performance. This program thus complements the current NSF research portfolio that supports basic research in the theory and practice of individual emerging topics, including AI/ML, edge computing, radio communications, innovative transmit/receive technologies, and effective spectrum utilization. Proposals submitted in response to this program must address one or more research vectors (RV) 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.

The RVs described below for both Resilient Network Systems (Group A) and Enabling Technologies (Group B) are not arranged in any order of preference and will be given equal consideration. In addition, the specific research topics within each RV are provided only as examples and are not intended to be exhaustive. Proposals must clearly describe the synergy between RVs chosen in Group A and Group B, i.e., how the proposed technology advances in Group B contribute to commensurate advances in Resiliency attributes – this is an essential requirement of the program.

Group A: RESILIENT NETWORK SYSTEMS

This group addresses the main theme of the project, which is resiliency in the network as well as the associated service and computation architecture. Resiliency can be achieved along multiple dimensions – through ensuring that the network systems are secure from internal and external attacks, through being highly flexible and dynamically adaptive at-scale and over rapid timescales to handle a multitude of large and small disruptions, or through other means. Each proposal should explain how the proposed research will seek to ensure resilient network systems with one or more of the following attributes:

1. Resistance and/or high tolerance to attacks, failures and service disruptions, with rapid identification of the root causes;
2. Graceful degradation of service and rapid adaptability when resource availability is impacted by disruptive events; and/or
3. Resiliency in computational capabilities spread across distributed, heterogeneous, and disaggregated resources.

Group B: ENABLING TECHNOLOGIES

Network systems will continue to be built on enabling components and technologies spanning circuits, devices, antennas, signal-processing algorithms, electromagnetic spectrum, network protocols, computational devices, and storage at the wireless link, edge, core, and the cloud. A rich array of network services is expected to emerge seeking to realize greater synergy across the various

component subsystems of the network. These new advances will greatly enhance the performance of the network system in terms of throughput, latency, connection density, application support, and service composability. Proposers must describe how their research will do so by targeting one or more of the following RVs within this group, along with one or more RVs from Group A.

As stated previously, proposals must describe the synergy between the Group A and the chosen Group B RVs, i.e., how the proposed advances in Group B contribute to commensurate advances in Resiliency attributes – this is an essential requirement of the program.

Link to Additional Information: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf21581

14. Family Violence Prevention and Services Discretionary Grants: Culturally Specific Special Issue Resource Centers (CSSIRCs), Department of Health and Human Services, Administration for Children & Families - ACYF/FYSB

Application Deadline: June 21, 2021

The Administration for Children and Families (ACF), Family and Youth Services Bureau (FYSB), Family Violence Prevention and Services (FVPSA) Program seeks to award three cooperative agreements under the Family Violence Prevention and Services Act, to establish and maintain three Culturally-Specific Special Interest Resource Centers (CSSIRC) that will enhance intervention and prevention efforts for victims of domestic violence for members of racial and ethnic minority groups: African American, Asian American/Pacific Islander, and Latino/Latina. The CSSIRC grantees are part of a network of National, Special Issue, Culturally Specific, and Capacity Building Resource Centers providing leadership, training, technical assistance, resources, and support to programs and systems serving victims of domestic violence and their children. The award will be a cooperative agreement, which is an award instrument used when substantial involvement is anticipated between the awarding office and the grantee during performance of the contemplated project. FYSB will collaborate with the grantee throughout the project period.

CSSIRC's will be a part of FYSB's Domestic Violence Resource Network (DVRN), a nationwide network composed of National Resource Centers, Special Issues Resource Centers, Culturally Specific Special Issue Resource Centers, and Emerging Issue Capacity Building Centers focused on the intervention and prevention of family violence, domestic violence, and dating violence. The DVRN will provide information, resources, training, and technical assistance to improve the capacity of individuals, organizations, governmental agencies, local communities, Tribes, and tribal organizations, to prevent family violence, domestic violence, and dating violence, and to provide evidence-based and evidence-informed intervention services. As part of the DVRN, the culturally specific special issue resource centers will work collaboratively to share their national expertise and deliver domestic violence and dating violence related training and technical assistance. While FYSB's culturally specific special issue resource center grant recipients are members of the DVRN, they will maintain independent governance of their own organizations, but will be required to share their expertise with other DVRN members, actively participate in the coordination of technical assistance, attend semi-annual DVRN meetings, and work collaboratively to develop resources as needed.

All DVRN resource centers are expected to conduct their activities in an accessible, linguistically appropriate, culturally responsive, and trauma informed manner and to proactively focus their activities to address racial inequities that exist for survivors of domestic violence, both within victim services and other systems related to the issue areas of the specific resource center. DVRN resource centers actively work to ensure access to services for Lesbian, Gay, Bisexual, Transgender, Questioning (LGBTQ) and Two-Spirit survivors and their children, and to ensure that no person shall on the basis of actual or perceived gender identity or sexual orientation be excluded from participation in, be denied the benefits of, or be subject to discrimination under, any program or activity funded in whole or in part through FVPSA, in accordance with FVPSA regulations at 45 CFR part 1370 (a) and (c).

Through this FOA and in accordance with FVPSA, U.S.C. 10410(a)(2)(A)(ii), (b)(2)(E), and (c)(3), the Secretary shall award grants to eligible entities for three CSSIRCs focused on the prevention and intervention of domestic violence and dating violence in three culturally specific racial/ethnic communities: African American, Asian American/Pacific Islander, and Latino/Latina. Applicants may demonstrate expertise in addressing domestic and dating violence within one of the three aforementioned culturally specific racial/ethnic communities listed. The three grant recipients will be required to provide national leadership on engaging underserved communities and will be required to share their expertise to provide a specific context for domestic violence as it relates to the ethnic, racial, cultural, faith-based, and linguistic diversity of victims of domestic violence and dating violence from traditionally underserved communities.

Link to Additional Information: <https://ami.grantsolutions.gov/HHS-2021-ACF-ACYF-EV-1936>

15. Conservation Innovation Grants On-Farm Conservation Innovation Trials for Federal fiscal year (FY) 2021, Department of Agriculture, Natural Resources Conservation Service

Application Deadline: June 21, 2021

Natural Resources Conservation Service (NRCS), USDA is announcing the availability of Conservation Innovation Grants (CIG) On-Farm Conservation Innovation Trials (On-Farm Trials) to stimulate the adoption and evaluation of innovative conservation approaches in partnership with agricultural producers. For 2021, applications are accepted from eligible entities for projects addressing at least one of the following priorities: Irrigation Management Technologies; Climate Smart Agricultural Solutions; Management Technologies and Strategies; and Soil Health Demonstration Trial. Up to \$25 million is available for On-Farm Trials in 2021. NRCS anticipates that at least \$10 million of On-Farm Trials funding in 2021 will be awarded to entities applying for the Soil Health Demonstration Trial (SHD) component. On-Farm Trials projects may be between three and five years in duration. NRCS gives priority to projects that implement innovative conservation approaches that are applicable to a range of agricultural operation sizes and types.

Each year, NRCS identifies priority topics for On-Farm Trials. For FY 2021, On-Farm Trials applications must address one of the four priorities described below. Proposals may address more than one priority, but each proposal must clearly identify a primary priority. The primary priority selected by an applicant will determine which expert peer panel will review the application.

- a. **Irrigation Management Technologies:** NRCS seeks On-Farm Trials proposals to evaluate innovative water management systems that enhance a producer's ability to monitor irrigation needs effectively, manage irrigation practices efficiently, and increase water savings. Innovative irrigation systems should focus on balancing producer needs with conservation benefits.
- b. **Climate Smart Agricultural Solutions:** NRCS seeks On-Farm Trials applications that evaluate innovative on-farm approaches to reducing emissions of greenhouse gases [e.g., nitrous oxide (N₂O), methane (CH₄) and carbon dioxide (CO₂)] or enhancing soil carbon and perennial biomass sequestration. All selected applications must use quantification methodologies that align with the USDA report titled Quantifying Greenhouse Gas Fluxes in Agriculture and Forestry: Methods for Entity-Scale Inventory.
- c. **Management Technologies and Strategies:** NRCS seeks On-Farm Trials applications that evaluate approaches that help producers effectively manage production systems while achieving conservation benefits through more efficient application and management. This category lumps many ideas included in the On-Farm Trials statute alongside other NRCS-derived ideas.
- d. **Soil Health Demonstration Trial (SHD):** The SHD are on-farm demonstrations of long-term, successful Soil Health Management Systems (SHMS) and/or production systems being transitioned to a SHMS managed by agricultural producers. A SHMS is a collection of management practices that focuses on increasing soil carbon levels and improving soil health by addressing all four soil health management principles: 1) minimize disturbance, 2) maximize soil cover, 3) maximize biodiversity, and 4) maximize presence of living roots.

Link to Additional Information: Go to www.grants.gov and search for Funding Opportunity Number USDA-NRCS-NHQ-CIG-21-NOFO0001094

16. Air Force Fiscal Year 2022 Young Investigator Research Program (YIP), Department of Defense, Air Force Office of Scientific Research

Application Deadline: July 12, 2021

The Fiscal Year 2022 Air Force Young Investigator Research Program (YIP) intends to support early in career scientists and engineers who have received Ph.D. or equivalent degrees by 1 April 2015 or later showing exceptional ability and promise for conducting basic research. The program objective is to foster creative basic research in science and engineering; enhance early career development of outstanding young investigators; and increase opportunities for the young investigator to recognize the Air Force and Space Force mission and related challenges in science and engineering.

The program objective is to foster creative basic research in science and engineering; enhance early career development of outstanding young investigators; and increase opportunities for the young investigator to recognize the Air Force and Space Force mission and related challenges in science and engineering. DoD seeks unclassified proposals from qualified and responsible applicants in the research areas of interest identified in the most recent Broad Agency Announcement (BAA) titled "Research Interests of the Air Force Office of Scientific Research" published on Grants.gov at <https://www.grants.gov/web/grants/view-opportunity.html?oppId=314753>.

Note: The AFOSR open BAA updates annually in the March/April time frame. Please make sure you are coordinating your topic ideas with the appropriate Program Officer (PO) to ensure the topic area is still relevant to the Air Force.

YIP proposals may be submitted **for only one research portfolio area**. It is important that your proposal shows strength in as many of the evaluation areas as practicable for maximum competitiveness. Individual awards are made to U.S. institutions of higher education, industrial laboratories, or non-profit research organizations where the principal investigator is employed on a full-time basis and holds a regular position. YIP primary investigators must be a U.S. citizen, national, or permanent resident.

Most YIP awards are three (3) years in duration, funded up to \$150,000 per year for a total of approximately \$450,000. The YIP may be funded no more than \$150,000 annually, regardless if the overall amount is \$450,000. Proposals deemed exceptional by our Program Officers (POs) may be considered for higher funding levels. Higher funding levels could take the form of more funding in one or more years of the basic award, and/or an option for continued performance for one (1) or two (2) additional years at a funding level recommended by our PO. You should only submit a supplemental proposal for an option for continued performance beyond the three (3) year basic period if our PO requests.

The Principal Investigator must hold a full-time permanent, career- competitive, or tenure-track position with his/her organization, or the proposal must include a letter from your organization stating that you will be considered for a permanent, career-competitive, or tenure-track position if you currently hold a short-term appointment. This is in addition to the requirement you are a U.S. citizen, national, or permanent resident. You are not eligible to submit a proposal if you do not meet these requirements. You must have permanent residency at time of proposal submission.

The YIP projected start date is determined at the time of the award but is most likely projected no later than 15 January 2022 based on the availability of the president's budget.

Link to Additional Information: <https://community.apan.org/wg/afosr/w/researchareas/12792/young-investigator-program-yip/>

17. Biological Technologies, Department of Defense, DARPA - Biological Technologies Office

Application Deadline: Proposals accepted anytime until April 20, 2022

The mission of BTO is to foster, demonstrate, and transition breakthrough research, discoveries, and applications that integrate biology, engineering, computer science, mathematics, and the physical sciences. BTO's research investment portfolio includes combating pandemic disease, innovative physiological interventions, human performance and warfighter readiness, and deep exploration of changing ecologies and environments for improving U.S. capabilities and resilience. BTO's programs operate across a wide range of scales, from individual cells to the warfighter to global ecosystems. BTO responds to the urgent and long-term needs of the Department of Defense (DoD) and addresses national security priorities.

BTO is interested in submissions related to the following topic areas:

General Topic:

- Biological technology topic areas that fit the national security scope of BTO's mission.

Human Performance:

- Discovering and leveraging novel findings from biotechnology, biochemistry, molecular biology, microbiology, neuroscience, psychology, cognitive science, and related disciplines to advance treatment and resilience in neurological health, transformative neural processing, fatigue, cognition, and optimized human performance.
- Developing and leveraging technologies to advance continuous or near-continuous monitoring of an organism's physiology to elucidate mechanisms of human resilience to stressors.
- Understanding and improving interfaces between the biological and physical world to enable seamless hybrid systems and revolutionary new human-machine interfaces.

Materials, Sensors, Processing:

- Designing novel materials, sensors, or processes that mimic or are inspired by biological systems.
- Developing technologies to leverage biological systems for enhanced acquisition and sustainment of critical and strategic organic or inorganic materials.
- Developing technologies for sustainable, controlled integration and monitoring of biological systems into atypical substrates in the built and natural environments.
- Developing tools to understand the underlying rules defining biomolecular and biomaterial structure/function properties in order to predict desired outcomes for novel materials.
- Leveraging and translating a biological system's underlying design rules, functional processes, and/or means of interaction to provide insight into or control over biological systems from biofilms to organs to ecosystems.

- Developing new computational and experimental tools and capabilities for forward engineering of biological systems, such as cells, tissues, organs, organisms, and complex communities, to both develop new products and functional systems, as well as to gain new insights into underlying mechanisms.
- Developing new platform technologies that integrate, automate, and miniaturize the collection, processing, and analysis of biological and chemical samples.

Ecosystem and Environmental:

- Testing and validating new theories and computational models that identify factors and principles underlying collective and interactive behaviors of biological organisms at all scales from individual cells to global ecosystems.
- Developing technologies that leverage synthetic biology, living cellular systems, or ecological diversity to support operations in extreme environments and leverage nontraditional properties of biology.
- Understanding the dynamics of population and ecosystem behavior to preserve equilibrium, provide strategic opportunity, mitigate impacts, or avoid catastrophe.
- Developing and leveraging new technologies that can be applied to agricultural ecosystems for production stabilization, by improving quality or reducing losses from pathogens or pests.
- Understanding emerging threats to global food and water supplies and developing countermeasures that could be implemented on regional or global scales.
- Developing and leveraging new insights into non-human biology across and between populations, e.g., microbes, insects, plants, marine life, and how they interact with their environment.
- Leveraging biology to provide new tactical and strategic maritime operational advantages, concealment and camouflage strategies, and bio-inorganic capabilities.

Biosecurity and Biosafety:

- Developing new technologies and approaches that ensure biosafety, biosecurity, digital biosecurity of biological hardware, and data and information.
- Developing innovative technologies that characterize novel, engineered, and/or natural emerging pathogens.

Biomedical and Biodefense:

- Developing new technologies to treat, prevent, forecast, and detect the emergence and spread of infectious diseases that have the potential to cause significant health, economic, and social burden.
- Understanding how causal relationships that underlie acute and chronic disease states can be leveraged to support warfighter health.
- Developing new technologies for the rapid, automated, and resilient manufacturing, delivery, and distribution of critical molecules for applications in therapeutics, chemical, and biological defense.
- Developing new technologies for advanced eukaryotic cellular engineering to support next-generation cellular therapeutic applications.
- Developing new platform technologies for targeted, effective, spatiotemporally controlled delivery of large and small molecules and biologics.
- Leveraging biological systems to produce solutions for antimicrobial resistance.
- Developing novel approaches to treatment of injured warfighters in austere settings.

Link to Additional Information: <https://beta.sam.gov/opp/dfc93a5637fc419a8ea392ec949f9c79/view>

18. Early-Stage Innovations (ESI), National Aeronautics and Space Administration

Application Deadline: June 28, 2021

The National Aeronautics and Space Administration (NASA) Headquarters has released a solicitation, titled Early-Stage Innovations (ESI), as an appendix to the Space Technology Mission Directorate (STMD) umbrella NASA Research Announcement (NRA) titled "Space Technology Research, Development, Demonstration, and Infusion 2021 (SpaceTech-REDDI-2021), on April 28, 2021. The solicitation is available by opening the NSPIRES homepage at <http://nspires.nasaprs.com/> by selecting "Solicitations," then selecting "Open Solicitations," and, finally, selecting "Early-Stage Innovations (ESI)."

The Space Technology Research Grants (STRG) Program within STMD seeks proposals from accredited U.S. universities to develop unique, disruptive, or transformational space technologies that have the potential to lead to dramatic improvements at the system level — performance, weight, cost, reliability, operational simplicity, or other figures of merit associated with space flight hardware or missions. The projected impact at the system level must be substantial and clearly defined.

Our Nation's universities couple fundamental research with education, encouraging a culture of innovation based on the discovery of knowledge. Universities are, therefore, ideally positioned to both conduct fundamental space technology research and diffuse newly-found knowledge into society at large through graduate students and industry, government, and other partnerships. STMD investments

in space technology research at U.S. universities promote the continued leadership of our universities as an international symbol of the country's scientific innovation, engineering creativity, and technological skill. These investments also create, fortify, and nurture the talent base of highly skilled engineers, scientists, and technologists to improve America's technological and economic competitiveness.

Only accredited U.S. universities are eligible to submit proposals. Teaming is permitted - see solicitation for complete eligibility requirements as well as teaming restrictions. A PI (see solicitation for restrictions) or Co-I may participate in no more than two proposals in response to this solicitation. NASA encourages submission of ESI proposals on behalf of tenure-track faculty members at all U.S. universities and especially encourages proposals submitted on behalf of women, members of underrepresented minority groups, and persons with disabilities.

The solicitation exclusively seeks proposals that are responsive to one of the five topics:

- Topic 1 – Advanced Materials for High-Voltage Power Transmission on the Moon
- Topic 2 – Development of Quantum Communication Technologies
- Topic 3 – Cognitive Networking Advancements for Lunar Communication and Navigation
- Topic 4 – Supersonic Retropropulsion Wind Tunnel Data Analysis
- Topic 5 – Advanced Heat Rejection Technologies for Space-Flight Radiators

NASA anticipates addressing other topics in future ESI Appendix releases.

The financial and programmatic support for ESI comes from the Space Technology Research Grants Program within the Space Technology Mission Directorate. Awards are planned to start in mid-January 2022. NASA plans to make approximately 10 awards as a result of this ESI solicitation, subject to the receipt of meritorious proposals. The actual number of awards will depend on the quality of the proposals received; NASA reserves the right to make no awards under this solicitation.

All proposals must be submitted electronically through NSPIRES or through Grants.gov (www.grants.gov) by an authorized organizational representative. Notices of Intent (strongly encouraged) are due by May 26, 2021 with proposals due on or before June 28, 2021, 5 pm Eastern. Detailed submission instructions and due dates are provided in the solicitation. Potential proposers and their proposing organizations are urged to familiarize themselves with the submission system(s), ensure they are registered in NSPIRES, and submit the required proposal materials well in advance of the deadline.

All technical and programmatic comments and questions may be addressed by email to the Space Technology Research Grants Program Executive, at hq-esi-call@mail.nasa.gov. Responses to inquiries will be answered by email and may also be included in the Frequently Asked Questions (FAQ) documents located on the NSPIRES page associated with the solicitation; anonymity of persons/institutions who submit questions will be preserved.

Link to Additional Information: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7BC6DCCA8A-494B-FBE5-8503-8A969034C818%7D&path=&method=init>

19. Gaining Early Awareness and Readiness for Undergraduate Programs (Partnership Grants), Department of Education

Application Deadline: June 28, 2021

Purpose of Program: The GEAR UP program is a discretionary grant program that encourages eligible entities to provide support, and maintain a commitment, to eligible low-income students, including students with disabilities, to assist the students in obtaining a secondary school diploma (or its recognized equivalent) and to prepare for and succeed in postsecondary education. Under the GEAR UP program, the Department awards grants to two types of entities: (1) States and (2) partnerships consisting of at least one institution of higher education (IHE) and at least one local educational agency (LEA).

Eligible Partnership Applicant: An eligible applicant is a partnership consisting of one or more local educational agencies (LEA) and one or more degree granting institutions of higher education (IHE), which may include not less than two other community organizations or entities, such as businesses, professional organizations, State agencies, institutions or agencies sponsoring programs authorized under subpart 4 or other public or private agencies or organizations. Applications must be submitted by an eligible entity (LEA or IHE) and the partnership must consist of at least a LEA and IHE. Applicants must include an Applicant Eligibility Form in the application.

Competitive Preference Priorities and Invitational Priorities: For FY 2021, there are two CPPs for the Partnership competition. An applicant may be eligible to receive up to 5 additional points for addressing these priorities. There are also three Invitational Priorities that applicants may address, for which no additional points are awarded. For more details, please refer to the Federal Register Notice Inviting Applications. Details regarding the priorities are included in the Notice.

Grant Performance Period: A Partnership applicant can design the GEAR UP project for 72 (6 years) or 84 (7 years) months of implementation. However, a project that is designed for 84 months must provide services to students through the students' first year of attending an institution of higher education.

Required Activities: Partnership projects are required to implement the following activities:

- Providing comprehensive mentoring, outreach, and supportive services to students participating in the programs;
- Providing information regarding financial aid for postsecondary education to participating students in the cohort;
- Encouraging student enrollment in rigorous and challenging curricula and coursework, in order to reduce the need for remedial coursework at the postsecondary level; and
- Improving the number of participating students who: a) obtain a secondary school diploma and b) complete applications for and enroll in a program of postsecondary education.

Allowable Implementation Model: GEAR UP has two implementation models: cohort and/or priority students' model. Please be advised that Partnership applicants are only allowed to implement the cohort model. More details regarding the cohort model are provided later in this application package.

Budgetary Information:

- The maximum amount a Partnership applicant can request each year is \$800 per student.
- Matching/Cost-Share - Applicants must clearly demonstrate in the application how the matching/cost-share requirement will be satisfied. GEAR UP projects are required to provide not less than 50 percent of project costs (or \$1 of non-Federal funds for every \$1 of Federal funds awarded), which may be cash or in-kind. Proposed Federal and non-Federal expenditures must be provided on the Budget Summary Form, and the six- or seven-year total proposed matching contributions must be equal to or more than proposed Federal expenditures for the six- or seven-year performance period.
- Applicants will not receive more Federal funding in out-years than the amount awarded in the first year of the grant; and therefore, the Budget Summary Form should not reflect budgetary increases in years two through six or seven.

Link to Additional Information: <http://www2.ed.gov/programs/gearup/index.html>

20. MUREP-Small Business Technology Transfer Research Planning Grants (M-STTR), National Aeronautics and Space Administration

Application Deadline: June 11, 2021

The NASA Minority University Research and Education Project (MUREP)-Small Business Technology Transfer Research (M-STTR) Planning Grants seek to reduce barriers faced by Minority Serving Institutions (MSIs) and small businesses in a planning activity to prepare them for the annual SBIR/STTR solicitation. The goals of this planning grant are to stimulate creative engagements between MSI researchers and Small Business Concerns (SBCs) on areas of mutual interest and develop mutually beneficial relationships that result in new technologies supporting the NASA mission and commercial market development.

The NASA Small Business Innovation Research (SBIR)/STTR Program regularly engages in outreach activities to educate small businesses and research institutions about the program and funding opportunities. Small business participants have indicated the inherent difficulties of finding qualified research institutions. Researchers face a multitude of problems from locating potential small businesses to meeting obligations of their normal workload.

The goals of the SBIR/STTR Program for this opportunity are as follows:

1. Expand the nation's base of small business technology transfer by fostering partnerships between MSIs and small businesses aligning with NASA priorities
2. Promote MSI participation in NASA STTR opportunities
3. Strengthen partnerships with faculty, researchers and students at MSIs in conducting collaborative research with the small business community

4. Establish relationships between small business concerns (SBCs) and MSIs which could respond to upcoming SBIR/STTR solicitations.

The M-STTR Research Planning Grant is intended to bring together MSI researchers and SBCs, thus maximizing the potential for long-term collaborations and enhancing the opportunities provided through the STTR program. Grants are intended to address challenges and barriers faced by the MSI research community in developing collaborative opportunities. Funding enables universities and SBCs to engage in substantive conversations along mutual areas of interest, goals, and long-term outcomes. The goals of this planning grant are to stimulate creative engagements between MSI researchers and SBCs on areas of mutual interest and develop mutually beneficial relationships that result in new technologies supporting the NASA mission and commercial market development. The desired result is to enable viable partnership for competing in the annual SBIR/STTR solicitation. The outcome of this planning grant activity is thoroughly prepared MSI/SBC teams with action plans to respond to the annual SBIR/STTR solicitation release.

Link to Additional Information: <https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%257bAB2C6494-0726-903C-AE4E-239F613BEBBF%257d&path=&method=init>

21. Addressing Social Determinants of Health to Eliminate Oral Health Disparities (UG3/UH3 Clinical Trials Optional), Department of Health and Human Services, National Institutes of Health

Application Deadline: July 26, 2021

The purpose of this funding opportunity announcement is to support research on how to optimally address upstream social determinants of health that can often present a barrier to optimal oral health and impede the effectiveness of clinical interventions, particularly in vulnerable and underserved communities. To achieve this goal, this FOA will encourage multi-disciplinary collaborations, mechanistic research, multi-level research, and/or the use of systems science research approaches. Applications in response to this FOA must propose research that involves improving oral health outcomes through addressing or better understanding one or more upstream social determinants of health that operate beyond the individual-level of influence (as indicated in the National Institute on Minority Health and Health Disparities Research or Social-Ecological Model frameworks). Study designs appropriate for this FOA would be clinical trials, observational cohort studies, or studies conducting multi-level systems science analyses.

The National Institute on Minority Health and Health Disparities (NIMHD) has developed a research framework to model factors or determinants that can occur at multiple levels beyond the individual, to influence health outcomes in populations. Similarly, the [Social-Ecological Model](#) displays levels of influences beyond the individual-level (e.g., relationship/interpersonal, community, societal) where determinants can operate. The factors or determinants occurring at levels beyond that of the individual, are often referred to as "upstream factors" or "social determinants of health." The term social determinants of health (SDOH) has been defined by the Centers for Disease Control and Prevention as, "the conditions in the places where people live, learn, work, and play that affect a wide range of health and quality-of-life risks and outcomes." [Healthy People](#) has organized SDOH into the following domains: 1) economic stability, 2) education access and quality, 3) healthcare access and quality, 4) neighborhood and built environment, and 5) social and community context. Examples of these determinants include: socioeconomic conditions (e.g., employment and poverty status), access to healthy foods, housing quality, transportation options, access to healthcare, neighborhood characteristics (e.g., public safety and neighborhood infrastructure), and societal norms and attitudes (e.g., discrimination, racism, and policies).

Preference will be given to those projects proposing to examine SDOH which have not been previously explored in the context of oral health research. Examples of SDOH can be found in the Healthy People topic area on SDOH: <https://www.healthypeople.gov/2020/topics-objectives/topic/social-determinants-of-health>. While SDOH are vast, it is expected that some of these determinants may be more amenable to oral health-related research questions than others. Therefore, applicants should carefully consider their research aims in determining which SDOH they propose to examine. Proposed research must also focus on SDOH in the context of their impact on oral health outcomes (e.g., dental caries, periodontal disease, or oral cavity and oropharyngeal cancer) or oral health behaviors.

Specific areas of research interest may include, but are not limited to:

- Elucidating mechanisms and causal pathways between SDOH and oral health outcomes across multiple socioecological levels.
- Conducting multi-level interventions that incorporate addressing SDOH as part of the overall intervention to improve oral health outcomes.
- Conducting interventions that address SDOH related to structural racism in settings where oral health care is delivered across multiple domains (e.g., provider-patient interactions, service delivery, access to care, etc.) to improve oral health outcomes and reduce disparities.

- Leveraging strategies or conducting interventions that integrate oral health into primary care, non-health sectors, or community-based settings to address SDOH and improve oral health outcomes.
- Demonstrating the use of non-traditional healthcare practitioners (e.g., social workers or case managers) to promote oral health and address SDOH barriers.
- Demonstrating the use of technology, including electronic health records, mobile health technologies, smart devices, or sensors to address SDOH barriers and improve oral health, without exacerbating health disparities.
- Utilizing SMSS approaches to identify modifiable SDOH barriers across various sectors (e.g., food access, transportation, healthcare) and provide evidence-based simulation or prediction of the impact of effective interventions delivered in real-world settings to address these barriers to improve oral health outcomes.
- Utilizing SMSS approaches involving big data or other appropriate data sources to elucidate etiology and complex interrelationships between different SDOH, and causal pathways by which they lead to oral health disparities and provide targets for population-based interventions.

Planning Phase (UG3)

The UG3 award will provide one year of support for planning activities, such as finalizing the protocol and preparing other documents or required data sources to implement the full study. Additional planning activities are allowable, such as evaluating the number of participants at a site who would fulfill eligibility criteria, data collection or intervention delivery for the purpose of user acceptance testing, establishing acceptability and feasibility of the study procedures, and/or study intervention delivery/fidelity monitoring. The UG3 phase cannot be used to test for intervention efficacy.

Examples of activities supported during the UG3 phase include, but are not limited to, developing the following:

- A final clinical protocol, prepared using the standard NIDCR observational or interventional protocol template (see NIDCR [Toolkit for Clinical Researchers](#)), that is ready for submission to the central IRB;
- Successful preparation of the manual of procedures, quality management plan, and data management plan, as applicable;
- Finalization of all documents necessary to implement the full study (e.g., case report forms, etc.);
- Consent form(s) and, if applicable, assent form(s);
- A final statistical analysis plan;
- A plan to administer study intervention, train interventionalists, and monitor intervention delivery, for clinical trials;
- A recruitment/enrollment and retention plan for the clinical study; and
- Obtainment, quality review, assurance of data harmonization and interoperability, and preparation of all data sources for proposed SMSS or data science-focused studies.

Link to Additional Information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-22-002.html>

22. OVC FY 2021 Transforming America's Response to Elder Abuse: Enhanced Multidisciplinary Teams (E-MDTs) for Older Victims of Financial Exploitation and Abuse, Department of Justice, Office for Victims of Crime

Application Deadline: June 14, 2021

The Department of Justice is committed to advancing work that promotes civil rights, increases access to justice, supports crime victims, protects the public from crime and evolving threats, and builds trust between law enforcement and the community. Under this program, OVC seeks applications to support the development and/or enhancement of multidisciplinary teams (MDT) and to strengthen the capacity of "enhanced MDTs" to better identify and respond to cases of elder abuse and more comprehensively serve and support victims of financial exploitation. Through these enhanced MDTs (E-MTD), OVC hopes to improve case outcomes while minimizing additional trauma and restoring safety and security to older adult victims of crime, and to potentially hold more offenders accountable.

This program will develop elder abuse "case review" MDTs, which bring together a group of professionals to discuss elder abuse cases with the goals of facilitating healing through the provision of services (healthcare, legal, mental health, housing, etc.). This approach has the potential to offer a robust, yet victim-centered, criminal justice response.

Case review E-MDTs are defined as a group of professionals (composed of representatives from three or more disciplines who work collaboratively), bound by a common purpose. The team has a shared goal and shared definition of the problem they are addressing, and is characterized by share decision making, partnership, and interdependency.

This program will grow the development and/or enhancement of up to 10 more MDTs (at the tribal, local, or state levels, with special

focus on financial exploitation) to strengthen the capacity of E-MDTs to better identify and respond to cases of elder financial exploitation and abuse, and to more comprehensively serve and support older victims of crime. In collaboration with the Office on Violence Against Women (OVW), DOJ's Elder Justice Initiative (EJI), and the Consumer Financial Protection Bureau's (CFPB) Office of Financial Protection for Older Americans, OVC will ensure these 10 new E-MDTs are uniquely focused on financial exploitation. These new special-emphasis E-MDTs will have access to online TTA through the existing National Elder MDT Training and Technical Assistance Center, as well as applicable TA efforts under OVW's Abuse in Later Life program, CFPB's Network Program resources, and MDT resources available from EJI. The new special-emphasis E-MDTs and current grantees are expected to work with the existing TA provider and offer timely feedback on training and technical assistance received. Through these 10 new special-emphasis E-MDTs, as well as the existing 13 tribal and non-tribal E-MDTs (funded in FY 2019), OVC hopes to leverage existing federal TTA resources and improve case outcomes while minimizing additional trauma and restoring safety and security to older adult victims of financial exploitation and abuse, and to potentially hold more offenders accountable.

Goals and Objectives

Goals: The objective of this solicitation is the development and/or enhancement of support for elder abuse MDTs that can better identify and respond to older adults who experience financial exploitation and other forms of elder abuse.

Objectives: To fund up to 10 E-MDTs at the tribal, local, or state levels, including existing and new teams, with special emphasis on better recognizing elder financial exploitation. These teams should include forensic accountants, neuropsychologists, medical personnel, and/or other appropriate professionals (to possibly evaluate the victim's cognitive abilities and capacity), so that case-related efforts more comprehensively consider and address the needs of older victims of financial exploitation and other forms of elder abuse. These victim-focused E-MDTs are to be designed to improve the case review process and associated systems. In addition to system coordination, these E-MDTs should seek to better understand victims' priorities and needs, which must include determining effective responses to financial exploitation.

Link to Additional Information: <https://ovc.ojp.gov/funding/opportunities/o-ovc-2021-96002>

23. NIST Standards Services Curricula Development Cooperative Agreement Program (SSCD CAP), Department of Commerce, National Institute of Standards and Technology

Application Deadline: June 1, 2021

The NIST Standards Services Curricula Development Cooperative Agreement Program (SSCD CAP) is seeking applications from eligible applicants to develop undergraduate and/or graduate level curricula to incorporate documentary standards¹, standards development, and standardization information and content into seminars, modules, courses, and learning resources. The recipients will work with NIST to strengthen education and learning about documentary standards, standards development, and standardization.

The Standards Coordination Office (SCO) Standards Services introduced the "Education Challenge Grants" program in Fiscal Year (FY) 2012 to support the development of new learning resources and course modules integrating standards into the formal curriculum in business and engineering programs. The following year, the program was changed from a grants program to a cooperative agreement program, allowing SCO to work more closely with award recipients and to provide greater support to strengthen education and learning about standards and standardization.

Funds can be used for the design, testing, and evaluation of undergraduate and/or graduate curricula, course content and materials, courses or course modules, seminars, class assignments, and/or student projects. Funds can also help cover the cost of students who assist instructors. Funds can be used for travel to implement elements of the Communication Plan and dissemination of project information and results (see Section IV.2.a.(6).c. and Section V.1.b. of this NOFO). Standards curriculum activities in any area that support science, technology, engineering, and math (STEM) and/or other related disciplines such as law, public policy, business, and/or multi-disciplinary approaches will be considered. Activities involving researching an idea for a project, and the evaluation of the viability, necessity, or usefulness of a project are not within the scope of the NIST SSCD CAP and will not be funded; ideas for

¹ The term "standard" includes all of the following: (i) common and repeated use of rules, conditions, guidelines or characteristics for products or related processes and production methods, and related management systems practices; (ii) the definition of terms; classification of components; delineation of procedures; specification of dimensions, materials, performance, designs, or operations; measurement of quality and quantity in describing materials, processes, products, systems, services, or practices; test methods and sampling procedures; formats for information and communication exchange; or descriptions of fit and measurements of size or strength; and (iii) terminology, symbols, packaging, marking or labeling requirements as they apply to a product, process, or production method. For the purposes of this NOFO, the term "standard" does not include metrological standards (e.g., physical measurement standards, standard reference materials, etc.).

projects should be fully developed prior to submitting an application for consideration. No projects involving the conduct of research, including research involving human subjects or live vertebrate animals, will be funded under this NOFO. Individuals proposed to participate in projects, as detailed in the project budget, must already have the necessary knowledge and expertise to successfully complete the project at the time the proposal for funding is submitted. Activities involving K-12 education or workforce/industry education will not be funded under this program. Applicants may not request funding for food/beverage or catering. The total budget for the equipment and supplies categories may not exceed \$2,000 combined.

Link to Additional Information: Go to www.grants.gov and search for Funding Opportunity Number **2021-NIST-SSCD-CAP-01**

