

UNO FOCUS:

REA (Research Enhancement Awards) Program
LaSPACE

The overall goal for this Program is to effectively utilize the resources available through LaSPACE as incentive for faculty and students: 1) to develop research competitiveness, 2) to develop new research projects or directions, and 3) to foster collaborations with NASA researchers, federal laboratories, and with the business/industry community. Only tenured, tenure-track, or research faculty at the level of Assistant/Research Professor or higher affiliated with LaSPACE campuses are eligible to apply. In cases where support is requested for visiting scientists, the application must be submitted by, and be the responsibility of, a LaSPACE institution faculty member. On ALL proposals, only one PI can be proposed. Additional personnel should be listed as researchers.

A Notice of Intent (NOI) to propose is required for the REA program. NOIs do not need to be routed for institutional approvals/signature the way the final proposal needs to be. The NOI is required and proposers who do not submit one on or before May 21 ARE NOT ELIGIBLE to submit a proposal.

LINKS: [LaSPACE](#)

ARTS, HUMANITIES, and INTERNATIONAL

Court Administration and Case Management for Nigeria's Criminal Justice System
Bureau of International Narcotics and Law Enforcement Affairs (INL), Department of State (State)

Notice seeking proposals to have improved effectiveness, transparency, and accountability of court operations in targeted states in Nigeria.

Proposals are due May 28, 2021. Questions are due April 30, 2021. Approximately \$2.5 million is available to support five awards.

LINKS: [Grants.gov](#)

Annual Program Statement for Public Affairs Cultural and Educational Programs ("Public Diplomacy Grants Program"), U.S. Embassy - Bishkek
Department of State (State)

Notice seeking proposals to build societal resilience and thus strengthen democracy and stability in the Kyrgyz Republic. Projects should address at least one of the following goals: Countering Violent Extremism and Security; Promoting Business and Free Markets; and Promoting Democracy and Stability.

Applications are due August 2, 2021. Up to 20 awards with a per-award ceiling of \$120,000 are anticipated.

LINKS: [Grants.gov](#), [Agency Site](#)

Trans-Atlantic Platform Recovery, Renewal, and Resilience in a Post-Pandemic World
National Science Foundation (NSF)

Notice seeking proposals for international, collaborative research projects that address key gaps in our understanding of the complex societal effects of COVID-19. Specifically, this program supports research that addresses one or more of the following challenges: reducing inequalities and vulnerabilities; building a more resilient, inclusive, and sustainable society; fostering democratic governance and participation; advancing responsible and inclusive digital innovation; and/or ensuring effective and accurate communication and media. Research partners must be trans-Atlantic and from a specific list of participating countries.

Applications are due July 12, 2021. Multiple awards are anticipated.

LINKS: [Grants.gov](#), [Agency Site](#)

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Brookwood Sago Grant
Department of Labor (Labor), Mine Safety and Health Administration (MSHA)

Notice seeking applications to provide education and training programs to better identify, avoid, and prevent unsafe working conditions in and around unsafe mines.

Applications are due May 27, 2021. Approximately \$1 million is available to support up to 20 awards.

LINKS: [Grants.gov](#)

Fiscal Year (FY) 2021 Cooperating Technical Partners (CTP) Program - HQ
Federal Emergency Management Agency (FEMA), Department of Homeland Security (Homeland Security)

Notice seeking applications to primarily support the mission and objectives of the National Flood Insurance Program (NFIP's) Flood Hazard Mapping Program through FEMA's flood hazard identification and risk assessment programs, including the Risk Mapping, Assessment and Planning (Risk MAP) initiative. The vision for Risk MAP is to deliver quality data that increases public awareness of flood hazard risk and leads to action that reduces flood risk to life and property.

Applications are due May 31, 2021. Approximately \$100 million is available to support 110 awards.

LINKS: [Grants.gov](#)

Fund for the Improvement of Postsecondary Education (FIPSE): Supplemental Assistance to Institutions of Higher Education (SAIHE) Assistance Listing Number (ALN) 84.425S
Department of Education (Education), Office of Postsecondary Education (OPE)

Notice seeking applications to supports institutions of higher education (IHEs) with unmet needs related to recovery from disruptions in the finances, day-to-day operations, instruction, and student supports due to coronavirus.

Applications are due April 28, 2021. Approximately \$113.5 million is available.

LINKS: [Grants.gov](#), [Federal Register](#)

Mine Health and Safety Grants
Department of Labor (Labor), Mine Safety and Health Administration (MSHA)

Notice seeking applications to assist them in developing and enforcing state mining laws and regulations, improve state workers' compensation and mining occupational disease laws and programs, and improve safety and health conditions in the nation's mines through federal-state coordination and cooperation.

Applications are due May 27, 2021. Approximately \$10.5 million is available to support 56 awards.

LINKS: [Grants.gov](#)

Outreach Funding for Fiscal Year (FY) 2021 – NORTH CAROLINA

United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS)

Notice seeking applications for the purpose of leveraging NRCS resources to promote public awareness of Farm Bill activities throughout North Carolina. Proposals must be for projects based in North Carolina and focus on Farm Bill conservation.

Applications are due May 29, 2021. Approximately \$200,000 is available to support five awards.

LINKS: [Grants.gov](https://www.grants.gov)

OVW Fiscal Year 2021 Research and Evaluation Initiative Solicitation
Office on Violence Against Women (OVW), Department of Justice (Justice)

Notice seeking proposals to research and evaluate approaches to combatting domestic violence, dating violence, sexual assault, and stalking. The initiative is designed to support researcher-practitioner partnerships and a broad range of research and evaluation methods, including qualitative, mixed-method, and quasi-experimental, and experimental designs.

Applications are due May 14, 2021. An estimated four to five awards of up to \$450,000 are anticipated.

LINKS: [Grants.gov](https://www.grants.gov), [Solicitation](#)

Specially Adapted Housing Assistive Technology (SAHAT) Grant Program
Department of Veterans Affairs (VA), VA Loan Guaranty Service

Notice seeking applications to encourage the development of new assistive technologies for specially adapted housing (SAH).

Applications are due April 30, 2021. Approximately \$1 million is available to support five awards.

LINKS: [Grants.gov](https://www.grants.gov), [Agency Site](#)

FY 2021 - 2023 Economic Development RNTA
Department of Commerce (Commerce)

Notice seeking proposals designed to leverage existing regional assets and support the implementation of economic development strategies that advance new ideas and creative approaches to advance economic prosperity in distressed communities.

Applications will be accepted on a rolling basis. Approximately 15 awards of up to \$1.5 million are anticipated.

LINKS: [Grants.gov](https://www.grants.gov), [Agency Site](#)

HEALTH and MENTAL HEALTH

AAV Vector manufacturing for diseases affecting very small populations (R01) Clinical Trials Not Allowed
Food and Drug Administration (FDA), Department of Health and Human Services (HHS)

Notice seeking proposals to advance the development of gene therapies for diseases affecting very small populations, potentially even single individuals, by enhancing innovations in the manufacture of Adeno-associated virus vectors.

Applications are due May 28, 2021. An estimated five awards of up to \$500,000 are anticipated.

LINKS: [Grants.gov](#), [Solicitation](#)

Accelerating Medicines Partnership Autoimmune and Immune-Mediated Diseases: Technology and Analytic Cores (TACs) and Research Management Unit (RMU) (UC2 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to gain a comprehensive understanding of cellular and molecular disease pathways and to identify novel targets for intervention. TACs will work together to test, optimize and apply state-of-the-art and next-generation high-dimensional, high-resolution technologies to interrogate and analyze human biopsy tissue and biosamples from patients with rheumatoid arthritis, lupus, psoriatic spectrum disease and Sjögren's syndrome.

Applications are due July 15, 2021. Optional letters of intent are due June 15, 2021. Approximately \$5 million is available to support eight awards.

LINKS: [Grants.gov](#), [Solicitation](#)

Blueprint Neurotherapeutics Network (BPN): Biologic-based Drug Discovery and Development for Disorders of the Nervous System (U44 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to provide support for biologic-based therapeutic discovery and development, from lead optimization through phase I clinical testing. This Funding Opportunity Announcement (FOA) supports preclinical discovery and development of potential therapeutic Biotechnology Products and Biologics including, but not limited to, large biologic macromolecules, (e.g., proteins, antibodies, and peptides), gene-based therapies (i.e., oligonucleotide- and viral-based), cell therapies, and novel emerging therapies (e.g., microbial and microbiome therapies).

Applications are due August 10, 2021, February 9, 2022, August 9, 2022, February 9, 2023, August 9, 2023, February 9, 2024. Optional letters of intent are due 30 days prior to the application due date.

LINKS: [Grants.gov](#), [Solicitation](#)

DoD Spinal Cord Injury, Investigator- Initiated Research Award
Army (Army), Department of Defense (Defense)

Notice seeking applications to support studies that have the potential to make an important contribution to SCI research, patient care, and/or quality of life.

Pre-applications are due May 24, 2021. Invited applications are due September 3, 2021. Approximately \$4.8 million is available to support six awards.

LINKS: [Grants.gov](#)

DoD Spinal Cord Injury, Translational Research Award
Army (Army), Department of Defense (Defense)

Notice seeking applications to support translational research that will accelerate the movement of promising ideas in SCI research into clinical applications. Although not all-inclusive, some examples include demonstration studies of pharmaceuticals and medical devices in preclinical systems and/or clinical research on therapeutics, devices, or practice using human tissues or resources.

Pre-applications are due May 24, 2021. Invited applications are due September 3, 2021. Approximately \$10 million is available to support five awards.

LINKS: [Grants.gov](https://www.grants.gov)

Innovative Programs to Enhance Research Training (IPERT) (R25 Independent Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of General Medical Sciences (NIGMS)

Notice seeking applications to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs.

Applications are due October 14, 2021; October 14, 2022; and October 13, 2023.

LINKS: [Grants.gov](https://www.grants.gov), [Solicitation](#)

Multidisciplinary Treatment Approaches to End the HIV Epidemic (R01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals to develop, implement, and evaluate creative, multidisciplinary approaches to healthcare delivery that more effectively engage and retain individuals in HIV care and treatment so that they achieve durable viral suppression. Research funded under this initiative will seek to achieve more rapid and sustained viral suppression and improved outcomes for people living with HIV through better healthcare engagement.

Applications are due August 4, 2021. Approximately \$5 million is available to fund an estimated five to six awards.

LINKS: [Grants.gov](https://www.grants.gov), [Solicitation](#)

NIDCD's Mentoring Networks to Enhance Clinician-Scientists' Participation in Research (R25 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Deafness and Other Communication Disorders (NIDCD)

Notice seeking applications to support educational activities that help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on: Mentoring Activities.

Applications are due May 28, 2021; September 24, 2021; January 27, 2022; May 27, 2022; September 21, 2022; January 27, 2023; May 26, 2023; September 26, 2023; and January 29, 2024. Program expires January 30, 2021.

LINKS: [Grants.gov](https://www.grants.gov), [Solicitation](#)

Nutrition Obesity Research Centers (P30 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Notice seeking applications that propose to establish core centers that are part of an integrated and existing program of nutrition and/or obesity research. The Nutrition Obesity Research Centers (NORC) program is designed to support and enhance the national research effort in nutrition and obesity.

Applications are due October 20, 2021. Optional letters of intent are due September 20, 2021. Approximately \$3.6 million is available to support three awards.

Limited Submission: Only one application per institution is allowed.

LINKS: [Grants.gov](#), [Solicitation](#)

Prevention Strategies to End the HIV Epidemic (R01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals to improve use of evidence-based HIV prevention interventions among populations in jurisdictions identified as highly impacted by HIV. Creative, multidisciplinary approaches are needed to meet the needs of specific populations and localities.

Applications are due July 30, 2021. Approximately \$5 million is available to fund an estimated five to six awards.

LINKS: [Grants.gov](#), [Solicitation](#)

Research on Autism Spectrum Disorders (R01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to support research designed to elucidate the etiology, epidemiology, diagnosis, and optimal means of service delivery in relation to Autism Spectrum Disorders (ASD).

Applications are due annually on June 5, October 5, and February 5. Program expires March 6, 2024.

LINKS: [Grants.gov](#), [Solicitation](#)

Research on Autism Spectrum Disorders (R03-R21 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to support research designed to elucidate the etiology, epidemiology, diagnosis, and optimal means of service delivery in relation to Autism Spectrum Disorders (ASD). An R03 grant supports small, discrete, well-defined projects that can be completed in two years and that require limited resources.

Applications are due annually on June 16, October 16, and February 16. Program expires March 17, 2024.

LINKS: [Grants.gov \(R03\)](#), [Grants.gov \(R21\)](#), [Solicitation](#)

Respond: Epidemiology to End the HIV Epidemic (RESPOND: EEE) (R01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals to better understand HIV susceptibility and ongoing transmission in the United States using local and population-level epidemiology in collaboration with implementing partners. Data generated through this research will inform intervention approaches and facilitate more timely evaluation of context-specific HIV control strategies towards the goal of ending the HIV epidemic in the U.S.

Applications are due July 30, 2021. Approximately \$4.5 million is available to fund an estimated five to six awards.

LINKS: [Grants.gov](#), [Solicitation](#)

Technologies to Advance Precision Medicine for Reproductive Health and Infertility (R43, R44 Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Child Health and Human Development (NICHD)

Notice seeking applications to collaborate with scientists and clinicians in the fields of female and male reproductive medicine, infertility, andrology/urology, and gynecology to develop, adapt and validate discoveries in genomics, epigenomics, metabolomics and biomarkers to the clinical diagnosis and treatment of women and men with infertility, and diseases and disorders that affect fertility.

Applications are due July 29, 2021. Optional letters of intent are due 30 days prior to the application due date. Approximately \$1.5 million is available to support up to four awards.

LINKS: [Grants.gov](#), [Solicitation](#)

Transformative Nucleic Acid Sequencing Technology Innovation and Early Development (R21 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Human Genome Research Institute (NHGRI)

Notice seeking proposals to innovate and develop the early stages of novel technologies that will enable greater than a one order of magnitude improvement in either or both DNA sequencing, and methods for direct sequencing of the diversity of entire RNA molecules.

The next application due date is June 25, 2021. Up to five awards with an annual ceiling of \$400,000 are anticipated.

LINKS: [Grants.gov](#), [Solicitation](#)

Understanding Post-Transcriptional Regulation of Intact and Defective HIV RNA (R61-R33 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Allergy and Infectious Diseases (NIAID)

Notice seeking applications to support the understanding of post-transcriptional regulation of intact and defective HIV RNA and to develop therapeutic strategies to alter RNA post-transcriptional modifications as a potential therapeutic platform for inhibiting HIV replication.

Applications are due August 4, 2021. Optional letters of intent are due 30 days prior to the application due date. Approximately \$3 million is available to support up to five awards.

LINKS: [Grants.gov](#), [Solicitation](#)

DoD Peer Reviewed Orthopaedic, Clinical Translational Research Award
Army (Army), Department of Defense (Defense)

Notice seeking proposals for high-impact and/or new/emerging clinical Orthopaedic research that may or may not be ready for a full-scale randomized controlled clinical trial. Projects should demonstrate potential to impact the standard of care, both immediate and long-term, as well as contribute to evidence-based guidelines for the evaluation and care of military, Veteran, and all patients with orthopaedic injuries.

Required pre-applications are due May 27, 2021. An estimated five awards of up to \$1.5 million are anticipated.

LINKS: [Grants.gov](#), [Agency Site](#)

DoD Peer Reviewed Orthopaedic, Clinical Trial Award

Army (Army), Department of Defense (Defense)

Notice seeking proposals for the rapid implementation of clinical trials with the potential to have a significant impact on the treatment or management of military combat-related orthopaedic injuries or non-battle injuries that significantly impact unit readiness and return to duty/work rates. Applicants are encouraged to address how the proposed research will support patient care closer to the point of injury and/or allow patients to more quickly return to duty/work.

Required pre-applications are due May 27, 2021. Approximately \$14.5 million is available to fund an estimated five awards.

LINKS: [Grants.gov](#), [Agency Site](#)

DOD Tuberos Sclerosis Complex, Exploration- Hypothesis Development Award
Army (Army), Department of Defense (Defense)

Notice seeking proposals for the initial exploration of innovative, high-risk, high-gain, and potentially groundbreaking concepts in the TSC research field. The studies supported by this award mechanism are expected to generate preliminary data for future avenues of scientific investigation. The proposed research project should include a well-formulated, testable hypothesis based on a strong scientific rationale and study design. Applications should demonstrate the ability to achieve interpretable results in the absence of preliminary data supporting the hypothesis.

Required pre-applications are due June 17, 2021. An estimated six awards of up to \$150,000 are anticipated.

LINKS: [Grants.gov](#), [Agency Site](#)

Effectiveness Trials for Post-Acute Interventions and Services to Optimize Longer-term Outcomes (R01 Clinical Trial Required)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Mental Health (NIMH)

Notice seeking proposals for research projects to evaluate the effectiveness of therapeutic and service delivery interventions for the post-acute management of mental health conditions affecting youth, adults, and older adults. This FOA encourages clinical trials to establish the effectiveness and test hypotheses regarding moderators, mediators, and mechanisms of action of post-acute phase therapeutic and services interventions that are matched to the stage of illness in terms of both their focus and intensity/burden for promoting optimal longer-term outcomes.

The next application due date is June 5, 2021. Multiple awards are anticipated.

LINKS: [Grants.gov](#), [Solicitation](#)

Mentoring Networks to Enhance Diversity in NIDCD's Extramural Research Workforce (R25 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Deafness and Other Communication Disorders (NIDCD)

Notice seeking proposals for educational activities, specifically mentoring activities, that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research.

The next application due date is May 28, 2021. Multiple awards of up to \$250,000 per year are anticipated.

LINKS: [Grants.gov](#), [Solicitation](#)

NIDCR Behavioral and Social Intervention Clinical Trial Planning and Implementation Cooperative Agreement (UG3 UH3 Clinical Trial Required)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Dental and Craniofacial Research (NIDCR)

Notice seeking proposals requesting support for planning and implementing well-designed, rigorously conducted behavioral or social intervention studies relevant to dental, oral, and craniofacial health. This FOA will support a broad range of intervention research projects, for participants of any age or developmental stage; for any dental, oral, or craniofacial condition with public health significance; for a range of outcomes; for stakeholders from different sectors; and for behavioral or social intervention research at all stages, from early mechanistic research and intervention development through implementation and health services research.

The next application due date is June 9, 2021. Multiple awards are anticipated, with award ceilings varying by funding mechanism.

LINKS: [Grants.gov](#), [Solicitation](#)

Pilot Effectiveness Trials for Post-Acute Interventions and Services to Optimize Longer-term Outcomes (R34 Clinical Trial Required)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Mental Health (NIMH)

Notice seeking proposals for pilot effectiveness projects to evaluate the preliminary effectiveness of therapeutic and service delivery interventions for the post-acute management of mental health conditions that are matched to the stage of illness in terms of both their focus and intensity/burden.

The next application due date is June 16, 2021. Multiple awards of up to \$450,000 per project are anticipated.

LINKS: [Grants.gov](#), [Solicitation](#)

Pilot Projects Investigating Understudied G Protein-Coupled Receptors, Ion Channels, and Protein Kinases (R03 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals for pilot projects on IDG-eligible understudied proteins (non-olfactory GPCRs, protein kinases, and ion channels) in order to study them beyond what the IDGs Centers can accomplish and to validate and demonstrate the utility of IDG-generated reagents, data, and approaches.

Applications are due July 15, 2021. An estimated 10-12 awards of up to \$100,000 are anticipated.

LINKS: [Grants.gov](#), [Solicitation](#)

Radiation-Induced Immune Dysfunction (U01 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Allergy and Infectious Diseases (NIAiD)

Notice seeking proposals examining the effects of radiation exposure on the immune system and explore possible treatments for radiation-induced immune dysfunction.

Applications are due August 24, 2021. Approximately \$3 million is available to fund an estimated four to six awards.

LINKS: [Grants.gov](#), [Solicitation](#)

Short-Term Mentored Research Career Enhancement Award to Promote Diversity (K18 No Independent Clinical Trials)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Human Genome Research Institute (NHGRI)

Notice seeking proposals to provide short-term training experiences to faculty members from diverse backgrounds that would result in strengthening their ability to perform independent research in genomics. This FOA is designed specifically for candidates proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary study to a clinical trial. Under this FOA candidates are permitted to propose a research experience in a clinical trial led by a mentor or co-mentor.

The next due date is June 12, 2021. Multiple awards are anticipated, consisting of salary and other program-related expenses.

LINKS: [Grants.gov](#), [Solicitation](#)

Food and Drug Administration Science Forum 2021; Public Workshop

Food and Drug Administration (FDA), Department of Health and Human Services (HHS)

Notice announcing the FDA Science Forum 2021 Public Workshop to highlight areas of FDA research, including: Improving clinical and postmarket evaluation; substance use, misuse, and addiction; product development and manufacturing; and medical countermeasures, infectious disease, and pathogen-reduction technologies.

The workshop will be held virtually on May 26, 2021 from 9:00 a.m. to 3:30 p.m. ET, and May 27 from 9:00 a.m. to 2:00 p.m. ET.

LINKS: [Federal Register](#), [Agency Site](#)

Meeting of the National Vaccine Advisory Committee

Department of Health and Human Services (HHS)

Notice announcing a meeting of the National Vaccine Advisory Committee in order to hear presentations on vaccine safety, communication activities for COVID-19 vaccines, and immunization equity.

The meeting will be held virtually on June 16 and 17, 2021 at a time to be announced.

LINKS: [Federal Register](#), [Agency Site](#)

National Institute on Alcohol Abuse and Alcoholism; Notice of Meeting

National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice announcing a meeting of the National Advisory Council on Alcohol Abuse and Alcoholism with the following agenda: Director's Update, Scientific Reports, and other topics within the scope of the Collaborative Research on Addiction at NIH.

The meeting will be held virtually on May 12, 2021 from 11:00 a.m. to 3:30 p.m. ET.

LINKS: [Federal Register](#), [Agency Site](#)

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

2020 HERO Appendix F: NASA Human Research Program Omnibus Opportunity
National Aeronautics and Space Administration (NASA), Johnson Space Center (JSC)

Notice seeking proposals for short-term investigations or technology development projects that provide innovative approaches to any of the risks and associated knowledge gaps contained in the Human Research Program (HRP) Integrated Research Plan (IRP). Proposers may access the most current Web-based version of the IRP at the Human Research Roadmap (HRR) Web site at <https://humanresearchroadmap.nasa.gov>.

Step-1 proposals are due April 30, 2021. Invited Step-2 proposals are due July 29, 2021. The maximum award amount is \$150,000. 10 awards are anticipated.

LINKS: [Grants.gov](#), [Solicitation](#)

Computational Diversity for Cyber Security
Department of Defense (Defense), Air Force Research Lab (AFRL)

Notice seeking proposals for innovative research to develop a secure microcontroller for cryptography in an Application Specific Integrated Circuit (ASIC) form factor.

White papers are due September 30, 2021. Approximately \$49.9 million is available. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

FY 21 Department of Navy (DON) Science, Technology, Engineering & Mathematic (STEM), Education and Workforce Program

FON:

N00014-21-S-F004

Navy (Navy), Department of Defense (Defense), Office of Naval Research (ONR)

Notice seeking proposals for augmenting existing and/or developing innovative solutions that directly maintain, and/or cultivate a diverse, world-class Science, Technology, Engineering, and Mathematics (STEM) workforce to maintain the U.S. Navy and Marine Corps' technological superiority.

White papers are due May 28, 2021. Invited proposals are due October 8, 2021. Approximately 15 to 20 grants with a maximum of \$200,000 per year for up to 3 years.

LINKS: [Grants.gov](#), [Solicitation](#)

FY 21 Office of Naval Research (ONR) Science, Technology, Engineering and Mathematics (STEM) Program

Navy (Navy), Department of Defense (Defense)

Notice seeking proposals to provide solutions that establish, build, and/or maintain STEM educational pathways and workforce opportunities for diverse U.S. citizens directly relevant to ONR science and technology areas.

White papers and proposals are due anytime until March 30, 2022.

LINKS: [Grants.gov](#), [Solicitation](#)

Generating RF with Photonic Oscillators for low Noise (GRYPHON)

Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking proposals to develop compact, low-noise microwave frequency synthesizers to enable advanced sensing and communication applications.

Applications are due June 18, 2021. Approximately \$45 million is available to fund multiple awards.

LINKS: [Grants.gov](#), [Contract Opportunities](#)

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

Notice seeking applications to develop undergraduate and/or graduate level curricula to incorporate documentary standards 1, 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.

Applications are due June 1, 2021. The maximum award amount is \$75,000. Eight awards are anticipated.

LINKS: [Grants.gov](#)

Advisory Committee for Polar Programs; Notice of Meeting
National Science Foundation (NSF)

Notice announcing a meeting of the Advisory Committee for Polar Programs to provide advice and recommendations to the National Science Foundation concerning support for polar research, education, infrastructure and logistics, and related activities.

The meeting will be held virtually on April 29 and April 30, 2021 from 10:30 a.m. to 4:00 p.m. ET.

LINKS: [Federal Register](#), [Agency Site](#)

Quantum Benchmarking
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking proposals in the area of quantum benchmarking that quantifies the long-term utility of quantum computers. In particular, proposed research should center around either the creation of application-specific, hardware-agnostic benchmarks for quantum computer utility or hardware resource estimation for quantum computers.

Applications are due June 22, 2021. Multiple awards are anticipated.

LINKS: [Grants.gov](#), [Contract Opportunities](#)