

ARTS, HUMANITIES, and INTERNATIONAL

DRL FY20 Burma - Investigating and Documenting Sexual and Gender-Based Violence in Burma
Department of State (State), Bureau of Democracy Human Rights and Labor (DRL)

Notice seeking Statements of Interest outlining project concepts and capacity to manage projects in Burma supporting civil society efforts to investigate and document conflict-related sexual and gender-based violence (SGBV) for the purposes of pursuing justice for victims and survivors, and accountability for crimes committed in violation of international human rights and humanitarian law.

Statements of interest are due January 8, 2021. The maximum award amount is \$750,000.

LINKS: [Grants.gov](#)

CONTACT:

Email: DRL-EAP-Programs@state.gov

DRL FY20 Burma Democracy and Human Rights Programs
Department of State (State), Bureau of Democracy Human Rights and Labor (DRL)

Notice seeking statements of interest outlining project concepts and capacity to manage projects in Burma that will: promote fundamental freedoms of expression, association, and peaceful assembly; prevent, address, and remedy human rights abuses committed in business operations; and increase political participation and protection for members of Burma's religious and ethnic minority groups.

Statements of interest are due January 11, 2021. Up to \$1 million is available.

Limited Submission: Institutions may submit up to two SOIs

LINKS: [Grants.gov](#)

FY2021 Increase and Diversify Education Abroad for U.S. Students (IDEAS) Program
Bureau of Educational and Cultural Affairs (ECA), Department of State (State)

Notice seeking proposals to increase and diversify American student mobility in support of U.S. foreign policy goals. It is imperative that our next generation of leaders —American students of all backgrounds — engage internationally to foster mutual understanding and develop global skills in fields that are key to supporting U.S. national security and economic prosperity.

Applications are due March 5, 2021. Approximately \$1.5 million is available.

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

NEA Grants for Arts Projects 1, FY2022
National Endowment for the Arts (NEA)

Notice seeking applications to support public engagement with, and access to, various forms of art across the nation, the creation of excellent art, learning in the arts at all stages of life, and the integration of the arts into the fabric of community life.

Applications are due February 11, 2021. Grants range from \$10,000 to \$100,000. Cost share of at one to one is required.

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

International Cooperation
Department of State (State)

Notice seeking applications to fund projects that support American and Russian cooperation in multinational and binational frameworks to address global issues, rule of law, and international agreements and partnerships.

Applications are due June 1, 2021. Approximately 10 awards of up to \$200,000 are available.

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

U.S. Consulate Cape Town Public Affairs Section Request for Statements of Interest: Annual Program Statement
Department of State (State), U.S. Mission to South Africa

Notice seeking applications to fund projects that strengthen ties and build relationships between the United States and South Africa.

Statements of interest are due February 28, 2021 or May 30, 2021. Selected applicants will be invited to submit full proposals. Approximately six awards of up to \$25,000 each are available.

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

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Fiscal Year 2021 NOAA Gulf of Mexico Bay Watershed Education and Training (B-WET) Program
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals to fund locally relevant, authentic experiential learning for K-12 audiences through Meaningful Watershed Educational Experiences in Gulf of Mexico coastal communities in order to increase understanding and stewardship of the Gulf of Mexico watershed and its local population, geography, culture, and natural, financial, and human resources.

Applications are due February 26, 2021. Approximately seven awards ranging from \$25,000 and \$150,000 are available.

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

FY 2020 Training and Technical Assistance to Improve Water Quality and Enable Small Public Water Systems to Provide Safe Drinking Water
Environmental Protection Agency (EPA)

Notice seeking applications to provide training and technical assistance for small public water systems, small publicly owned wastewater systems, communities served by onsite/decentralized wastewater systems, and private drinking water well owners.

Applications are due February 12, 2021. Questions are due February 2, 2021. Approximately \$17.7 million is available for an estimated nine awards in three priority areas.

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

REAP Energy Audit and Renewable Energy Development Assistance Program
United States Department of Agriculture (USDA), Business and Cooperative Programs

Notice seeking applications for funding to assist rural small businesses and agricultural producers by conducting and promoting energy audits and providing renewable energy development assistance.

Applications are due February 1, 2021. Approximately 23 awards of up to \$100,000 each are available.

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

OSERS-OSEP: Personnel Development to Improve Services and Results for Children with Disabilities-- Improving Retention of Special Education Teachers and Early Intervention Personnel CFDA Number 84.325P

Department of Education (Education), Office of Special Education and Rehabilitative Services (OSERS)

Notice seeking applications to help address state-identified needs for personnel preparation in special education, early intervention, related services, and regular education to work with children, including infants and toddlers, and youth with disabilities; and ensure that those personnel have the necessary skills and knowledge, derived from practices that have been determined through scientifically based research, to be successful in serving those children.

Applications are due February 9, 2021. Approximately \$2.2 million is available for nine awards. Partnership opportunities may exist for colleges and universities.

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

HEALTH and MENTAL HEALTH

2021 Empowering Communities to Reduce Falls and Falls Risk

Administration for Community Living (ACL), Department of Health and Human Services (HHS)

Notices seeking applications for robust partnerships to develop a result-based, comprehensive strategy for reducing falls and falls risk among older adults and adults with disabilities living in your community; and to significantly increase the number of older adults and adults with disabilities who participate in evidence-based falls prevention programs, while concurrently pursuing the sustainability of these programs beyond the end of the grant period.

Applications are due February 2, 2021. Approximately \$1.7 million is available for six awards.

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

2021 Integrated Networks to Deliver and Sustain Evidence-Based Falls Prevention Programs
Administration for Community Living (ACL), Department of Health and Human Services (HHS),
Administration on Aging (AoA)

Notice seeking applications to strengthen integrated state or regional networks that address the social and behavioral determinants of health of older adults and adults with disabilities, and significantly increase the number of older adults and adults with disabilities who participate in evidence-based community programs to reduce falls and falls risk.

Applications are due January 31, 2021. Approximately \$2.2 million is available to support two awards.

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

Biological Technologies

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

Notice seeking proposals for research to identify the first “biological responder(s)” (i.e., molecular or cellular responses) within milliseconds to seconds after the brain sustains a militarily relevant brain injury.

Full proposals are due February 25, 2021. Optional abstracts are due January 14, 2021.

LINKS: [Contract Opportunities](#), [Agency Site](#)

Cellular Cancer Biology Imaging Research (CCBIR) Program (U54, Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications to develop and test enabling imaging technologies at the cellular and organ scales driven by specific fundamental questions in cancer biology. The overall purpose of the CCBIR initiative is to facilitate innovation in advanced imaging technologies that could be applied to fundamental basic and pre-clinical research problems in cancer biology.

Optional letters of intent are due 30 days prior to the application due date. Applications are due March 18, 2021. Approximately \$9 million is available to support up to four awards.

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

Climate Program Office (CPO) Extreme Heat Risk Initiative Competition, FY2021
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking applications to fund research related to extreme heat in urban areas, with the goal of improving climate information and services to support the management and reduction of societal risks associated with extreme heat by advancing application-oriented research and evidence-driven risk reduction practices.

Applications are due February 15, 2021. Optional letters of intent are due December 29, 2020. Approximately \$500,000 is available for up to five awards to support projects lasting one or two years.

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

Enhancement and Expansion of Treatment and Recovery Services for Adolescents, Transitional Aged Youth, and their Families
Substance Abuse and Mental Health Services Administration (SAMHSA), Department of Health and Human Services (HHS)

Notice seeking applications to enhance and expand comprehensive treatment, early intervention, and recovery support services for adolescents (ages 12-18) and transitional aged youth (ages 16-25) with substance use disorders (SUD) and/or co-occurring substance use and mental disorders (COD), and their families/primary caregivers.

Applications are due February 8, 2021. Approximately \$9.52 million is available to support 17 awards.

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

Field Initiated Projects Program: Minority-Serving Institution (MSI)
Administration for Community Living (ACL), Department of Health and Human Services (HHS)

Notice seeking applications to develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration into society, employment, independent living, family support, and economic and social self-sufficiency of individuals with disabilities, especially individuals with the most severe

disabilities. Another purpose of the FI Projects program is to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended. The purpose of this MSI-FI competition is to improve the capacity of minority entities to engage in disability and rehabilitation research and development activities.

Applications are due February 2, 2021. One award each is available for research and development.

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

Garrett Lee Smith (GLS) Campus Suicide Prevention Grant
Substance Abuse and Mental Health Services Administration (SAMHSA), Department of Health and Human Services (HHS)

Notice seeking applications to develop a comprehensive, collaborative, well-coordinated, and evidence-based approach to: (1) enhance mental health services for all college students, including those at risk for suicide, depression, serious mental illness(SMI)/serious emotional disturbances (SED), and/or substance use disorders that can lead to school failure; (2) prevent mental and substance use disorders; (3) promote help-seeking behavior and reduce negative public attitudes; and (4) improve the identification and treatment of at-risk college students so they can successfully complete their studies.

Applications are due February 5, 2021. Approximately \$2.45 million is available to support 24 awards. Cost sharing is required.

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

Mental Health Awareness Training
Substance Abuse and Mental Health Services Administration (SAMHSA), Department of Health and Human Services (HHS)

Notice seeking applications to: (1) train individuals (e.g., school personnel, emergency first responders, law enforcement, veterans, armed services members and their families) to recognize the signs and symptoms of mental disorders, particularly serious mental illness (SMI) and/or serious emotional disturbances (SED); (2) establish linkages with school- and/or community-based mental health agencies to refer individuals with the signs or symptoms of mental illness to appropriate services; (3) train emergency services personnel, law enforcement, fire department personnel, veterans, and others to identify persons with a mental disorder and employ crisis de-escalation techniques; and (4) educate individuals about resources that are available in the community for individuals with a mental disorder.

Applications are due February 5, 2021. Approximately \$16.78 million is available to support 134 awards.

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

Mentored Research Experiences for Genetic Counselors (R25)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Human Genome Research Institute (NHGRI)

Notice seeking applications to help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences.

Optional letters of intent are due 30 days prior to the application due date. Applications are due May 25, 2021, May 25, 2022, and May 25, 2023.

Limited Submission: Organizations may submit only one application.

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

Mood Disorders in People Living with HIV: Mechanisms and Pathways (R01 and R21 Clinical Trial Optional)

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

Notice seeking applications to support studies to better understand the underlying mechanisms and interplay of biological, psychosocial and structural factors contributing to mood disorders in people living with HIV. Applications testing a fully conceptualized and hypothesis-based solid premise founded with adequate preliminary data are appropriate for this FOA.

Optional letters of intent are due February 10, 2021. AIDS applications are due March 10, 2021. Approximately \$2 million is available to support three to five awards.

LINKS: [Grants.gov \(R01\)](#), [Grants.gov \(R21\)](#), [Solicitation](#)

NIAMS Centers of Research Translation (CORT) (P50 - Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications for a synergistic team of scientists who, through an interdisciplinary team science approach, will address a highly significant translational research challenge in a single or a group of highly-related disease(s) or condition(s) within the mission of NIAMS.

Optional letters of intent are due 30 days prior to the application due date. Applications are due May 11, 2021. Approximately \$7.5 million is available to support up to 5 awards in FY 2022.

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

NIDCD Mentored Career Development Award for Postdoctorate Au.D. Ph.D. Audiologists (K01 Independent Basic Experimental Studies with Humans Required)

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 comprehensive and rigorous postdoctoral research and career development experiences in the biomedical, behavioral, or clinical sciences of promising Au.D./Ph.D. audiologists who have the potential to become productive, independent investigators in scientific health-related research fields relevant to NIDCD's mission.

Applications are due February 17, 2021; June 17, 2021; October 13, 2021; February 17, 2022; June 14, 2022; October 13, 2022; February 14, 2023; June 13, 2023; and October 13, 2023. The expiration date is January 8, 2024.

LINKS: [Grants.gov \(PAR-21-087\)](#), [Grants.gov \(PAR-21-086\)](#), [Grants.gov \(PAR-21-085\)](#)

NIH Faculty Institutional Recruitment for Sustainable Transformation (FIRST) Program: FIRST Cohort (U54 Clinical Trial Optional)

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

Notice seeking applications to fund FIRST Cohort projects to transform culture at NIH-funded extramural institutions by building a self-reinforcing community of scientists committed to diversity and inclusive excellence. Applications are also sought to fund the FIRST Coordination and Evaluation Center (CEC), which will coordinate and facilitate the development of strategies with FIRST Cohort awardees to conduct a comprehensive evaluation of the FIRST program.

Applications are due March 1, 2021. Optional letters of intent are due 20 days before the application deadline. Approximately \$70.5 million is available for up to four FIRST Cohort awards and an estimated \$11.4 million for one CEC award.

Limited Submission: Only one application per institution is allowed.

LINKS: [Grants.gov \(FIRST Cohort\)](#), [Grants.gov \(CEC\)](#), [Solicitation](#)

Nurse Faculty Loan Program (NFLP)

Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking applications for funding to establish and operate a student loan fund and provide loans to students enrolled in advanced education nursing degree programs who are committed to becoming nurse faculty. In exchange for completion of up to four years of post-graduation full-time nurse faculty employment in an accredited school of nursing, the program authorizes cancelation of up to 85 percent of any such student loan (plus interest thereon).

Applications are due February 8, 2021. Approximately \$28.5 million is available for an estimated 90 awards. Eligible applicants are accredited schools of nursing with advanced education nursing programs.

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

Research Experiences in Genomic Research for Data Scientists (R25)

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

Notice seeking applications to support educational 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.

Optional letters of intent are due 30 days prior to the application due date. Applications are due May 25, 2021; May 25, 2022; and May 25, 2023.

Limited Submission: Organizations may submit only one application.

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

Small Business Innovation Research Program (SBIR) Phase I

Administration for Community Living (ACL), Department of Health and Human Services (HHS)

Notice seeking applications to improve the lives of people with disabilities through R/R&D products generated by small businesses, and to increase the commercial application of NIDILRR-supported research results and development products.

Applications are due February 2, 2021. Approximately \$1 million is available for 10 awards. Colleges and universities may partner.

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

Solicitation of Nominations for Appointment to the Advisory Committee on Minority Health

Department of Health and Human Services (HHS), Office of Minority Health, Office of the Secretary

Notice seeking nominations of qualified candidates to be considered for appointment as a member of the Advisory Committee on Minority Health. The Committee provides advice to the Deputy Assistant Secretary for Minority Health on the development of goals and specific program activities for improving the health and

the quality of health care minorities receive and eliminating racial and ethnic health disparities consistent with the Public Health Service (PHS) Act.

Nominations for membership on the Committee must be received by March 4, 2021.

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

Solicitation of Nominations for Membership To Serve on the National Advisory Council on Migrant Health Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking nominations for membership in the National Advisory Council on Migrant Health.

Send nominations to the contact any time.

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

Aging Effects on Osteoimmunology (R01 Clinical Trials Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Aging (NIA)

Notice seeking applications to fund research projects that examine the role of aging in the interactions between the immune systems and skeletal systems in animal models.

Applications are due June 15, 2021. Optional letters of intent are due May 15, 2021. Approximately \$3 million is available to fund up to six awards to support projects lasting up to five years.

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

Application of Artificial Intelligence and Machine Learning for Advancing Environmental Health Sciences (R43 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Environmental Health Sciences (NIEHS)

Notices seeking Phase I Small Business Innovation Research and Small Business Technology Transfer applications from small businesses to develop promising methodologies using artificial intelligence and machine learning approaches to advance environmental health research and decisions. When further developed and validated, these methodologies or approaches should improve the accuracy of toxicity prediction, help in prioritizing chemicals for more relevant or targeted testing, identify and/or fill data or knowledge gaps in toxicity assessment, and promote more comprehensive understanding of human exposure effects, susceptibility and adverse health outcomes.

Applications are due March 29, 2021. Optional letters of intent are due February 28, 2021. Approximately \$2 million is available for up to eight R43 awards and approximately \$1 million is available for up to four R42 awards to support Phase I projects lasting up to one year.

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

Advisory Committee on Immunization Practices (ACIP)

Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice announcing a meeting of the Advisory Committee on Immunization Practices (ACIP). This meeting is open to the public. The committee is charged with advising the Director, CDC, on the use of immunizing agents.

The meeting will be held on December 18, 2020 from 12 p.m. to 6 p.m., ET and December 20, 2020 from 12 p.m. to 6 p.m., ET (times subject to change).

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

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Build and Broaden 2.0: Enhancing Social, Behavioral and Economic Science Research and Capacity at Minority-Serving Institutions
Directorate for Social, Behavioral & Economic Sciences (SBE), National Science Foundation (NSF)

Notice seeking proposals for research collaborations between scholars at minority-serving institutions (MSIs) and scholars in other institutions or organizations.

Proposals are due March 5, 2021. Approximately \$5 million is available to support up to 30 awards.

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

Conferences and Workshops in the Mathematical Sciences
Directorate for Mathematical & Physical Sciences (MPS), National Science Foundation (NSF)

Notice seeking proposals to support research and training activities of the mathematical sciences community. Proposals for conferences, workshops, or conference-like activities may request funding of any amount and for durations of up to three years.

Proposals are accepted anytime. Up to \$4 million is available to support up to 100 awards.

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

FY2021 Coastal and Ocean Modeling Testbed Project
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking applications to fund projects which advance new or existing solutions that address long standing and emerging coastal modeling and forecast product development challenges.

Applications are due February 26, 2021. Up to six awards of up to \$300,000 per year are available to support projects lasting up to three years.

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

Identifying and Enabling Emerging Technology Leaders
Army (Army), Department of Defense (Defense)

Notice seeking proposals for research solutions leveraging data science and/or machine learning techniques that will revolutionize how the Army recruits, develops, selects, and distributes talent across the force.

Proposals are due January 12, 2021. Questions are due December 23, 2020. Eligibility is limited to small businesses but opportunities may exist for colleges and universities to collaborate.

LINKS: [Contract Opportunities](#), [Agency Site](#)

Integrative Research in Biology
Directorate for Biological Sciences (BIO), National Science Foundation (NSF)

Notice seeking collaborative research proposals that address bold questions in biology and require an integrated approach to make substantive progress. The research should be synergistic and produce novel, holistic understanding of how biological systems function and interact across different scales of organization, e.g., from molecules to cells, tissues to organisms, species to ecosystems and the entire Earth.

Proposals are due March 16, 2020. Approximately \$20 million is available for up to 20 awards. See the solicitation for more details when the link is activated.

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

Nuclear Data Interagency Working Group (NDIAWG) Research Program
Department of Energy (Energy), Office of Science

Notice seeking applications for research projects intended to answer nuclear data questions of interest to the research communities supported by those programs and offices.

Required letters of intent are due January 7, 2021. Applications are due March 8, 2021.

LINKS: [Grants.gov](#)

Polyplexus Pilot Topic Opportunity Notice for Chemistry Directed Manufacturing (Topic 24)
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Defense Sciences Office (DSO)

Notice seeking applications to discuss the possibility to create a new manufacturing capability that grows freeform solid objects without the need for a computer (CAD) model of the target object, specialized hardware (e.g., fluid handling devices) and other tooling typically required in additive manufacturing.

Abstracts are due January 4, 2021. Applications are due February 3, 2021. Approximately \$100,000 is available.

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

Scientific Discovery Through Advanced Computing: Partnerships in Basic Energy Sciences
Department of Energy (Energy), Office of Science

Notice seeking applications from interdisciplinary teams to establish Partnerships under the SC-wide Scientific Discovery through Advanced Computing (SciDAC) program in specific targeted topic areas that relate to the BES and ASCR missions.

Pre-applications are due January 19, 2021. Invited applications are due April 6, 2021. Up to \$32 million is available.

LINKS: [Grants.gov](#)

Strategic Trends Division Broad Agency Announcement (BAA)
Department of Defense (Defense)

Notice seeking applications to develop and provide credible, timely, operationally relevant and actionable research products that inform Strategic Trends Division's efforts to characterize the 2025 to 2030 threat environment in an era of Great Power Competition through the Strategic Trends Research Initiative.

Applications are due March 2, 2021.

LINKS: [Contract Opportunities](#)

Promoting the Use of Trustworthy Artificial Intelligence in the Federal Government (EOP) (Executive Office of the President)

Notice announcing policy for promoting the use of trustworthy artificial intelligence in the federal government.

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

CONTACT:

Biometric Recognition and Identification at Altitude and Range (BRIAR) Program
Department of Defense (Defense), Intelligence Advanced Research Projects Activity (IARPA)

Notice seeking proposals for research to develop software algorithm-based systems capable of performing whole-body biometric identification at long-range and from elevated platforms.

Proposals are due February 10, 2021. Questions are due January 6, 2021.

LINKS: [Contract Opportunities](#), [Agency Site](#)

FOA for the National Defense Education Program (NDEP) for Science, Technology, Engineering, and Mathematics (STEM), and Biotechnology Education, Outreach, and Workforce Initiative Programs and Enhanced Civics Education
Department of Defense (Defense)

Notice seeking applications to fund innovative education, outreach, and/or workforce initiative programs in the categories of STEM or Biotech, and for an education project in the category of Enhanced Civics.

Required white papers are due January 25, 2021. Invited full applications are due March April 19, 2021. Approximately 13 awards ranging from \$2 million to \$6 million each are available.

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

FY21 Bioenergy Technologies Office (BETO) Feedstock Technologies and Algae FOA
Department of Energy (Energy), Golden Field Office; Bioenergy Technologies Office (BETO)

Notice seeking applications to research and develop technologies related to feedstock and advanced algal systems in order to reduce the minimum selling price of drop-in biofuels, lower the cost of biopower, and enable high-value products from biomass or waste resources. There are two topic areas: 1) Characterization of Municipal Solid Waste to Enable Production of Conversion-Ready Feedstocks; and 2) Algae Productivity Exceeding Expectations.

Required concept papers are due February 1, 2021. Applications are due April 5, 2021. Approximately \$35 million is available to support up to 15 awards.

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

Hydrogen and Fuel Cell Technologies Office (HFTO) FY 2021 Funding Opportunity Announcement (FOA)
Department of Energy (Energy)

Notice seeking concept papers for research in the following areas: fuel cells for heavy duty applications in coordination with the Million Mile Fuel Cell Truck consortium; hydrogen production through high

temperature (high-T) electrolysis in coordination the H2NEW consortium, as well as biological processes that use waste; hydrogen infrastructure activities to develop supply chain components and validate hydrogen fueling technologies; and independent cost analysis of hydrogen production, storage and fuel cell technologies.

Required concept papers are due January 15, 2021. Full applications are due March 8, 2021. Approximately 24 awards ranging from \$1 million to \$5 million are available.

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

Long Term Research in Environmental Biology
Directorate for Biological Sciences (BIO), National Science Foundation (NSF)

Notice seeking proposals to support the generation of extended time series of data to address important questions in evolutionary biology, ecology, and ecosystem science. Research areas include, but are not limited to, the effects of natural selection or other evolutionary processes on populations, communities, or ecosystems; the effects of interspecific interactions that vary over time and space; population or community dynamics for organisms that have extended life spans and long turnover times; feedbacks between ecological and evolutionary processes; pools of materials such as nutrients in soils that turn over at intermediate to longer time scales; and external forcing functions such as climatic cycles that operate over long return intervals.

Proposals are accepted anytime. Approximately \$6 million is available for awards up to \$600,000.

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

NSWC Crane AISUM Prize Challenge
Navy (Navy), Department of Defense (Defense), Naval Surface Warfare Center – Crane Division (NSWC-CD)

Notice seeking white paper proposals for the development of an algorithm to enhance the maneuver and reconnaissance capabilities of autonomous drones within defined scenarios.

Phase I white papers are due January 29, 2021. Up to 25 applicants in Phase I will be selected to compete in Phase II and up to 10 winners in Phase II will be invited to compete in Phase III. The total prize purse is currently \$250,000, to be awarded in Phase II. Approximately \$500,000 is expected to be available for awards in Phase III.

LINKS: [Contract Opportunities](#), [Solicitation](#), [Agency Site](#)

Vehicle Technologies Office Fiscal Year 2021 Research Funding Opportunity Announcement
Federal Laboratories (Federal Laboratories), Department of Energy (Energy), National Energy Technology Laboratory (NETL)

Notice seeking concept papers for research projects to address priorities in the following areas: batteries and electrification; materials; technology integration and energy efficient mobility systems; energy-efficient commercial off-road vehicle technologies; and co-optimized advanced engine and fuel technologies to improve fuel economy.

Required concept papers are due February 5, 2021. Full applications are due April 7, 2021. Approximately 24 awards of varying sizes and durations are available across eight topic areas. See the solicitation at the Agency Site for details.

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