

## ARTS, HUMANITIES, and INTERNATIONAL

Building Capacity to Counter Violent Extremism in Mozambique  
Department of State (State), Bureau of African Affairs

Notice seeking proposals to build the capacity of Mozambican civil society organizations to counter violent extremism (CVE), and to build a network that will serve to educate and advocate for effective CVE strategies, interventions, and initiatives.

Proposals are due June 14, 2019. One award is available for up to \$400,000.

Limited Submission: One proposal per applicant organization

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

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2019 The TIP Office Notification of Funding Opportunity for Program to End Modern Slavery (PEMS)  
Department of State (State), Office to Monitor and Combat Trafficking in Persons

Notice seeking proposals for transformational programs and projects that seek to achieve a measurable and substantial reduction of the prevalence of modern slavery in targeted populations in priority countries or jurisdictions.

Applications are due June 21, 2019. Approximately \$25 million is available to fund one or more awards.

Limited Submission: One submission per applicant.

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

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Fulbright Program in Hong Kong & Macau  
Department of State (State), U.S. Mission to China

Notice seeking applications from organizations skilled in facilitating and managing academic exchange programs to strengthen cultural ties between the U.S. and Hong Kong & Macau.

Applications are due May 31, 2019. Approximately \$50,000 is available to support one award.

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

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Strengthening Capacity of Governments to Address Child Labor and-or Forced Labor, and Violations of Acceptable Conditions of Work  
Department of Labor (Labor), Bureau of International Labor Affairs (ILAB)

Notice seeking applications to promote a fair global playing field for workers in the United States and around the world by enforcing trade commitments, strengthening labor standards, and combating international child labor, forced labor, and human trafficking.

Applications are due July 8, 2019. Approximately \$10 million is available to support two awards.

Limited Submission: Applicants may apply for one or two cooperative agreements.

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

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Strengthening Women's Contribution to the Formal and Informal Economies in the Middle East and North Africa

Department of State (State), Bureau of Near Eastern Affairs (NEA); Assistance Coordination (AC)

Notice seeking proposals to: Increase women's contribution to the economy in the MENA region; Empower women to assume a more active role in the economy and society; and Increase economic stakeholders' knowledge of gaps, possibilities, and opportunities for increasing women's participation in the workforce and contribution to the economy.

Questions are due May 22, 2019. Proposals are due June 20, 2019. Approximately \$6 million is available to support one award for five years. A minimum of five percent cost share is required.

Limited Submission: Applicants may submit only one application.

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

## **EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT**

Comprehensive Literacy State Development (CLSD) Program CFDA Number 84.371C  
Department of Education (Education), Office of Elementary and Secondary Education (OESE)

Notice seeking applications to advance literacy skills, through the use of evidence-based practices, activities and interventions, including pre-literacy skills, reading, and writing, for infants through grade 12, with an emphasis on disadvantaged children (living in poverty, English learners, and children with disabilities).

Applications are due June 3, 2019. Approximately \$190 million is available for 10 awards. Partnership with IHE's and community organizations encouraged.

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

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Jacob K. Javits Gifted and Talented Students Education Program  
Department of Education (Education), Office of Elementary and Secondary Education (OESE)

Notice seeking applications to conduct evidence-based research, demonstration projects, innovative strategies, and similar activities designed to build and enhance the ability of elementary schools and secondary schools nationwide to identify gifted and talented students and meet their special educational needs.

Applications are due June 3, 2019. Approximately \$4.7 million is available for up to 11 awards to support projects lasting up to five years.

LINKS: [Grants.gov](https://www.grants.gov), [Federal Register](https://www.federalregister.gov)

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OVW FY 2019 Measuring Success in the Criminal Justice System's Response to Domestic-Dating Violence, Sexual Assault, and Stalking: A Pilot Project  
Office on Violence Against Women (OVW), Department of Justice (Justice)

Notice seeking applications to develop and pilot-test a set of indicators for gauging success in the criminal justice system's response to domestic/dating violence, sexual assault, and stalking.

Optional letters of intent are due May 17, 2019. Applications are due June 17, 2019. Approximately \$500,000 is available for one award to support a project lasting up to two years.

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

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Susan Harwood Training and Educational Materials Development  
Department of Labor (Labor), Occupational Safety and Health Administration (OSHA)

Notice seeking applications to develop new training materials addressing one of the OSHA-specified training topics. Materials must include learning objectives, course matrices, presentation/training materials including videos, instructor and participant guides, student handouts, training evaluations, and learning assessments.

Applications are due July 2, 2019. Approximately \$75,000 is available, per award, for multiple awards to support projects lasting up to one year.

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

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Susan Harwood Training Grant Program, FY 2019  
Department of Labor (Labor), Occupational Safety and Health Administration (OSHA)

Notice seeking applications to develop and conduct training and educational programs for small business employers and workers on the recognition, avoidance, and prevention of occupational safety and health hazards in their workplaces. Support also helps inform workers of their rights and employers of their responsibilities under the OSH Act. Three separate funding opportunities available: 1) Targeted Topic Training grants; 2) Training and Educational Materials Development grants; and 3) Capacity Building grants.

Applications are due July 2, 2019. Approximately \$10.5 million is available for multiple awards to support projects lasting up to one year. Applicants must select one proposed training topic.

LINKS: [Grants.gov](https://www.grants.gov), [Federal Register](https://www.federalregister.gov)

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Meeting of the Coordinating Council on Juvenile Justice and Delinquency Prevention  
Office of Justice Programs (OJP), Department of Justice (Justice)

Notice announcing a meeting scheduled to discuss OJP activities related to Juvenile Justice and Delinquency Prevention.

The meeting will be held June 13, 2019 at 10:00 a.m., ET. Register to attend via Webex at <http://www.juvenilecouncil.gov/>.

LINKS: [Federal Register](https://www.federalregister.gov), [Agency Site](http://www.juvenilecouncil.gov/)

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2019 NASA Teams Engaging Affiliated Museums and Informal Institutions (TEAM II)  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals from Informal Education Institutions and partners to deliver and participate in NASA-based educational activities and increase the capacity of institutions to utilize NASA resources and to provide students the opportunity to contribute to NASA's STEM Engagement mission.

Optional notices of intent are due May 22, 2019. Proposals are due August 13, 2019. One to eight awards of up to \$1 million are anticipated.

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

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BLM NV Master Wildland Urban Interface Community Fire Assistance  
Bureau of Land Management (BLM), Department of the Interior (Interior)

Notice seeking applications protecting the American family, being a good neighbor and creating a conservation stewardship legacy second only to Teddy Roosevelt by providing an opportunity to support planning and implementation of hazardous fuels reduction projects in Wildland Urban Interface (WUI) areas and education and outreach programs that help create fire adapted communities and resilient landscapes.

Applications are due every 30 days until August 31, 2019. Up to \$700,000 is available to support three to four awards.

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

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Child Development Research Fellowship Program  
Administration for Children and Families (ACF), Department of Health and Human Services (HHS), Office of Planning, Research and Evaluation (OPRE)

Notice seeking applications to expose researchers to policy environments, particularly at the federal level, whereby they gain skills and expertise for policy-relevant research. The program is intended to stimulate the fellows' knowledge of child development research and evaluation, particularly regarding services for low-income children and families, and to inform their process of developing long-term, policy-relevant research and evaluation agendas.

Applications are due July 9, 2019. Approximately \$880,000 is available to support one award.

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

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Great Lakes B-WET Program FY20  
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking applications for existing or new environmental education programs in the Great Lakes watershed to provide meaningful watershed education experiences for students and related professional development for teachers, while advancing regional Great Lakes education priorities.

Applications are due July 12, 2019. Approximately 12 to 17 awards of up to \$80,000 each are anticipated.

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

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South Carolina Funding Opportunity  
United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS)

Notice seeking applications from partners to develop watershed assessment plans to support the National Water Quality Initiative Program through the Environmental Quality Incentives Program (EQIP).

Proposals are due July 8, 2019. Approximately \$200,000 is available to support one award.

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

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USDA-FNS-FDPIR-FY19-Nutrition Paraprofessional Training Project  
United States Department of Agriculture (USDA), Food and Nutrition Service (FNS)

Notice seeking applications to design and develop curriculum, conduct training, and evaluate the results of a project that will prepare staff that administer Food Distribution Program on Indian Reservations (FDPIR) to provide specific basic nutrition education sessions and activities to participants.

Applications are due July 8, 2019. Up to \$500,000 is available.

Limited Submission: One application package per applicant

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

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Application Package for Grants Under the Minority Science and Engineering Improvement Program (MSEIP)

Department of Education (Education), Office of Postsecondary Education (OPE)

Notice seeking information to effect long-range improvement in science and engineering education at predominantly minority institutions and to increase the flow of underrepresented ethnic minorities, particularly minority women, into scientific and technological careers. MSEIP supports the Federal Government's efforts to improve and expand the scientific and technological capacity of the United States to support its technological and economic competitiveness.

Comments are due by June 5, 2019 through the Federal eRulemaking Portal at <http://www.regulations.gov> by selecting the Docket ID number or via postal mail, commercial delivery, or hand delivery.

LINKS: [Federal Register](https://www.federalregister.gov)

## HEALTH and MENTAL HEALTH

Conference for Early Stage HIV-AIDS Researchers Using Nonhuman Primate Models (R13 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), Office of Research Infrastructure Programs (ORIP)

Notice seeking applications to conduct an annual intensive workshop/conference/meeting to provide early stage HIV/AIDS researchers with guidance on conducting preclinical research to inform clinical trials on reducing incidences of HIV/AIDS infection, including vaccine development and testing; developing next-generation HIV therapies, including potential cure therapies; treatment of HIV-associated conditions, comorbidities and complications; and infection prevention strategies.

Applications are due September 10, 2019. Approximately \$75,000 is available per meeting annually. The number of awards is contingent upon NIH appropriations.

Limited Submission: Only one application per institution is allowed.

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

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DoD Prostate Cancer, Clinical Trial Award  
Department of Defense (Defense)

Notice seeking applications to accelerate the development of new interventions to decrease the burden of prostate cancer by supporting the rapid implementation of early-phase clinical trials. Interventions may include drugs, devices, biologics, targeted radionuclides, surgical procedures, behavior modifications, or other types of interventions based on investigator discretion.

Required pre-applications are due June 27, 2019. Full applications are due July 18, 2019. Funding must support a clinical trial and may not be used for preclinical research studies.

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

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HIV-AIDS Scholars Using Nonhuman Primate Models Program (K01 Independent Clinical Trial Not Allowed)

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

Notice seeking applications to conduct HIV/AIDS-related studies using nonhuman primates as preclinical models essential for development of effective HIV/AIDS treatment and prevention.

Annual applications are due September 10, 2019; September 10, 2020; and September 10, 2021 through September 11, 2021. This K01 award offers salary (up to \$75k/yr.) and research support for a protected time (3 yrs.) for intensive research career development, under the guidance of an experienced mentor, or sponsor in the biomedical, behavioral or clinical sciences leading to research independence. Applicants must be within ten years of completing their terminal professional degree or residency training.

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

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HLA and KIR Region Genomics in Immune-Mediated Diseases (Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Neurological Disorders and Stroke (NINDS); National Institute of Allergy and Infectious Diseases (NIAID)

Notice supporting project applications defining the association between variations in the human leukocyte antigen (HLA), also known as the Major Histocompatibility Complex (MHC), and natural killer cell immunoglobulin-like receptor (KIR) genetic regions and immune-mediated diseases, including outcomes following cell, tissue, and organ transplantation.

Optional letters of intent are due 30 days prior to the application due date. Applications are due September 4, 2019. Approximately \$3 million is available for up to 10 awards.

LINKS: [Grants.gov \(U01\)](#), [Grants.gov \(U19\)](#), [Solicitation \(U01\)](#)

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Novel Tools and Devices for Animal Research Facilities and to Support Care of Animal Models (Clinical Trial Not Allowed)

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

Notice encouraging applications from small business concerns for Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) projects to develop novel tools and devices to improve handling of laboratory animals, to ease the management of animal facilities, and to enhance experiments which use animal models. The intent is to facilitate the design, implementation, and creation of tools and devices to directly benefit the welfare of research animals, and to advance equipment to improve infrastructure and environmental conditions of animal facilities that support biomedical and bio-behavioral research.

Applications are due January 5, April 5, September 5 annually through April 6, 2021. Multiple awards expected.

LINKS: [Grants.gov \(PAR-19-265\)](#), [Grants.gov \(PAR-19-266\)](#), [Solicitation \(PAR-19-265\)](#)

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Development of Antiviral Drugs for the Treatment of Adenoviral Infection in Immunocompromised Patients; Public Workshop; Request for Comments

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

Notice announcing a public workshop to discuss the scientific and clinical trial design considerations for development of antiviral products to treat adenoviral infection.

The workshop will be held August 8, 2019, from 8:30 a.m. to 4:30 p.m., ET at FDA, White Oak Campus, 10903 New Hampshire Ave., Bldg. 31 Conference Center, the Great Room (Rm. 1503), Silver Spring, MD. Register to attend in person by August 1, 2019. The workshop will be webcast at <https://collaboration.fda.gov/oapdavp080819>.

LINKS: [Federal Register](#)

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National Biodefense Science Board: In-Person Meeting  
Department of Health and Human Services (HHS), National Biodefense Science Board (NBSB)

Notice announcing a meeting scheduled to discuss scientific, technical, and other matters of interest to HHS regarding current and future chemical, biological, nuclear, and radiological agents, whether naturally occurring, accidental, or deliberate.

The meeting will be held June 10 and 11, 2019, from 9:00 a.m. to 5:00 p.m., ET. Meeting logistics will be posted on the Agency Site.

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

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National Institute of Dental and Craniofacial Research Notice of Meeting  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice announcing a meeting scheduled to discuss a report to the NIDCR director.

The meeting will be held May 23, 2019 from 9:00 a.m. to 12:30 p.m., ET, at National Institutes of Health, Building 35, 8600 Rockville Pike, Bethesda, MD.

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

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Blockchain Technology to Improve SUD Care (R41 and R42 - Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Drug Abuse (NIDA)

Notice seeking applications to solicit STTR research applications for commercializable, blockchain-based products that aim to improve the inefficient processes currently in existence within the substance use disorders (SUD) healthcare ecosystem.

Requested letters of intent are due 30 days prior to the application due date. Applications are due July 31, 2019. Approximately \$1 million is available to support three to four awards. Colleges and universities are eligible to partner.

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

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Blockchain Technology to Improve SUD Care (R43 and R44 - Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Drug Abuse (NIDA)

Notice seeking applications to solicit SBIR research applications for commercializable, blockchain-based products that aim to improve the inefficient processes currently in existence within the substance use disorders (SUD) healthcare ecosystem.

Requested letters of intent are due 30 days prior to the application due date. Applications are due July 31, 2019. Approximately \$2 million is available to support six to eight awards.

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

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Cognitive Systems Analysis of Alzheimer's Disease Genetic and Phenotypic Data (U01 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Aging (NIA)

Notice seeking applications that propose Artificial Intelligence (AI), Machine Learning (ML), and/or Deep Learning (DL) approaches, collectively referred to here as "cognitive systems," that lead to the identification of gene mutations/variants that cause or contribute to the risk of or protection against the development of Alzheimer's disease (AD) and Alzheimer's disease related dementias (ADRD) via analysis of a variety of genetic, genomic, and biomarker data that are currently available to the research community.

Requested letters of intent are due 30 days before the application due date. Applications are due annually on February 5, June 5, and October 5. Approximately \$4 million is available to support two to six awards.

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

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Dissemination and Implementation Research in Health (R01-R21-R03 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to support innovative approaches to identifying, understanding, and developing strategies for overcoming barriers to the adoption, adaptation, integration, scale-up and sustainability of evidence-based interventions, tools, policies, and guidelines.

Requested letters of intent are due 30 days prior to the application due date. R01 applications are due annually on February 5, June 5, and October 5. R21 and R03 applications are due annually on February 16, June 16, and October 16. Program expires May 8, 2022.

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

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DoD Breast Cancer, Breakthrough Award Levels 1, 2, 3, and 4  
Army (Army), Department of Defense (Defense)

Notice seeking proposals for promising research that has high potential to lead to or make breakthroughs in breast cancer. Funding mechanisms include early development; preclinical research; advanced translational studies; and large-scale projects.

Due dates and funding amounts vary by Award Level.

LINKS: [Grants.gov Levels 1 and 2](#), [Grants.gov Level 3](#), [Grants.gov Level 4](#)

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Exploiting Genome or Epigenome Editing to Functionally Validate Genes or Variants Involved in Substance Use Disorders (R21-R33 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Drug Abuse (NIDA)

Notice seeking applications to support projects which exploit genome or epigenome editing to functionally validate and characterize genes or variants involved in substance use disorder-relevant phenotypes.

Requested letters of intent are due 30 days prior to the application due date. Applications are due June 24, 2019, December 18, 2019, June 24, 2020, December 18, 2020, June 24, 2021, and December 17, 2021.

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

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Exploratory Grants in Cancer Epidemiology (R21 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)



Notice seeking applications to provide support to promote the early and conceptual stages of research efforts on novel scientific ideas that have the potential to substantially advance population-based cancer research, such as improving data collection methods, developing and validating methods of exposures and biological effects, such as epigenetics and metabolomics, and their application in population-based research, functional assessment of genetic variants, and assessing recruitment methods for understudied populations.

Applications are due June 7, 2019; October 8, 2019; June 8, 2020; October 8, 2020; June 8, 2021; and October 8, 2021.

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

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Lucidity in Dementia (R21 Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Aging (NIA)

Notice seeking applications to advance scientific understanding of lucidity in dementia by supporting an initial set of retrospective and/or prospective studies that will lay the groundwork for further research on this topic.

Requested letters of intent are due January 3, 2020. Applications are due February 3, 2020. Approximately \$2 million is available to support four to six awards.

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

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Pediatric Critical Care Conferences Initiative (R13 Clinical Trial Not Allowed)

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

Notice seeking applications for multidisciplinary national conferences that will inform care and facilitate research for major issues in pediatric critical care medicine. Given the nascent stage of development, the small diverse patient populations, and the rapid expansion of the field, conducting research and establishing best practices in pediatric critical care is challenging.

Requested letters of intent are due 30 days prior to the applications due date. Applications are due July 31, 2019. Approximately \$150,000 is available to support up to two awards.

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

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PHS 2019-02 Omnibus Solicitation of the NIH for Small Business Technology Transfer Grant Applications (Parent STTR [R41 R42] Clinical Trial Not Allowed and Clinical Trial Required)

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

Notice seeking applications from small businesses on a variety of topics in support of the research and development missions of the National Institutes of Health. Institutes of higher education must partner. Mechanisms allowing clinical trials and forbidding clinical trials are available.

Applications are due on a standard schedule of September 5, January 5, and April 5, beginning on September 5, 2019. Multiple awards are anticipated.

LINKS: [Grants.gov Clinical Trial Not Allowed](#), [Grants.gov Clinical Trial Required](#)

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PHS 2019-02 Omnibus Solicitation of the NIH, CDC, and FDA for Small Business Innovation Research Grant Applications (Parent SBIR [R43 R44] Clinical Trial Required and Clinical Trial Not Allowed)

Centers for Disease Control and Prevention (CDC), Food and Drug Administration (FDA), National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals from small businesses on a variety of topics in support of the research and development missions of the National Institutes of Health, the Centers for Disease Control, and the Food and Drug Administration. Institutes of higher education may partner. Mechanisms are available allowing clinical trials and forbidding clinical trials.

Applications are due on a standard schedule of September 5, January 5, and April 5, beginning on September 5, 2019. Multiple awards are anticipated.

LINKS: [Grants.gov Clinical Trial Required](#), [Grants.gov Clinical Trial Not Allowed](#)

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Senator Paul D. Wellstone Muscular Dystrophy Specialized Research Centers (MDSRC) (P50)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to promote collaborative basic, translational and clinical research and provide important resources that can be used by the national muscular dystrophy research communities. The Centers also provide outstanding environments for the training of new researchers capable of addressing high priority research objectives in the muscular dystrophies.

Requested letters of intent are due 30 days prior to the application due date. Applications are due October 31, 2019. Approximately \$4.8 million is available to support up to three awards.

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

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The NIGMS Human Genetic Cell Repository (U42 - 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 manage and maintain a Human Genetic Cell Repository consisting of the National Institute of General Medical Sciences' current collection of cell cultures and DNA samples, as well as acquiring, characterizing, and expanding high-quality cell samples, and distributing cell lines and DNA isolated from them to qualified biomedical researchers.

Applications are due July 9, 2019. Approximately \$2 million is available to fund one award.

Limited Submission: Only one application per institution

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

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National Committee on Vital and Health Statistics: Visioning Session  
Department of Health and Human Services (HHS)

Notice announcing a meeting of the National Committee on Vital and Health Statistics with an agenda to be determined.

The meeting will be held July 10, 2019 from 9:00 a.m. to 5:00 p.m. and July 11 from 8:30 a.m. to 5:00 p.m. ET at 200 Independence Avenue SW, Rm. 505-A, Washington, DC.

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

## SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Advanced Building Construction with Energy Efficient Technologies & Practices (ABC)  
Department of Energy (Energy), Office of Energy Efficiency and Renewable Energy (EERE); Building Technologies Office (BTO)

Notice seeking applications to develop innovative and advanced technologies designed to maximize energy efficiency while being economical, practicable, and appealing; leverage buildings capabilities to better respond to the grid; and encourage productive partnerships to overcome technical and other challenges. Three funding priorities areas include: 1) Integrated Building Retrofitting; 2) New Construction Technologies; and 3) Advanced Technology Integration.

Concept papers are due June 10, 2019. Full applications are due August 8, 2019. Approximately \$33.5 million is available for up to 40 awards to support projects ranging from one and half to four years. The Department of Energy will host a technical assistance webinar on May 13, 2019 at 1:30 p.m. ET. Click here to join: <https://doe.webex.com/doe/onstage/g.php?MTID=e0e763aac7daf6b2464e74ca4aebca3a3>

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

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Army Applications Lab Broad Agency Announcement for Disruptive Applications  
Army (Army), Department of Defense (Defense), Army Applications Lab

Notice seeking white papers for cutting edge innovations in areas of interest to the Army including autonomous platforms; artificial intelligence and machine learning; data visualization and synthetic environments; assured position navigation and timing; power generation and management technologies; sensing; communications and networks; computation; space; internet of things; quantum technologies; signature reduction; protection; human performance; and underpinning methodologies.

White papers are accepted on a rolling basis. The program expires May 1, 2024. Information about ongoing and special funding focus areas will be available at <https://aal.army/>

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

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Commercial Weather Data Pilot (CWDP)  
Department of Defense (Defense)

Notice seeking innovative technical approach concept papers addressing commercial solutions to monitor or forecast the terrestrial or space environment with the objective of providing improved global weather data and products for DOD national, and international missions. The solutions should range from data procurement, technology pilots, to analyses and assessments.

Concept papers are due May 1, 2020.

LINKS: [FBO](#)

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CWMD 5-Year Research and Development (R&D) Open Broad Agency Announcement (OBAA)  
70RDND19R00000003 and Topic Solicitation 1 70RDND19R00000004  
Department of Homeland Security (Homeland Security)

Notice seeking pitch paper applications for a topic in a previously issued broad agency announcement for countering weapons of mass destruction (CWMD) to develop, demonstrate and support piloting of approaches and strategies that can greatly enhance implementation of large CBRN (Chemical, Biological, Radiological, and Nuclear) sensor networks, while reducing costs and improving sensor network performance through the use of existing and emergent communications infrastructures.

Pitch papers are due May 17, 2019. Email questions to all three contacts by May 9, 2019. After Phase I of the competition, selected applicants will be invited to participate in additional phases. Approximately \$1 million is available for three awards in FY 19.

LINKS: [FBO](#)

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Fiscal Year (FY) 2019 National Earthquake Hazards Reduction Program (NEHRP), Earthquake Direct State Assistance  
Federal Emergency Management Agency (FEMA), Department of Homeland Security (Homeland Security)

Notice seeking applications to mitigate earthquake losses in the United States through basic and directed research and implementation activities in the fields of earthquake science and engineering.

Applications are due June 3, 2019. Approximately \$1.3 million is available for 33 awards across the 10 regions. Applicants are states, but subawards may be available to colleges and universities.

LINKS: [Grants.gov \(Region 1\)](#)

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FY19 AS&T BAA GSSA Framework - Innovation with Intent  
Department of Defense (Defense), National Reconnaissance Office (NRO)

Notice announcing a new framework for future calls for proposals for new and innovative technology applicable to the NRO's Advance Systems & Technology Directorate.

Calls for proposals within this framework will be issued on FBO and the agency website.

LINKS: [FBO](#), [Agency Site](#)

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FY19 Bioenergy Technologies Office Multi-Topic Funding Opportunity Announcement  
Department of Energy (Energy)

Notice seeking applications to research and develop high priority areas within biofuel technologies, bioproducts, and biopower in five key areas: 1) Feedstock Supply and Logistics; 2) Advanced Algal Systems; 3) Conversion; 4) Advanced Development and Optimization; and 5) Sustainability and Strategic Analysis.

Concept papers are due June 3, 2019. Full applications are due July 22, 2019. Approximately \$79.3 million is available for up to 49 awards to support projects ranging from one to five years.

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

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Ground Replay System Engineering Tool for ASW  
Navy (Navy), Department of Defense (Defense), Naval Air Systems Command

Notice seeking sources to develop software or hardware and improvements of the Ground Replay System engineering tool to support new air anti-submarine warfare capabilities.

Capability statements are due May 17, 2019. Eligibility is limited to small businesses, but opportunities may exist for collaboration with colleges and universities.

LINKS: [FBO](#)

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Mine Drainage Technology Initiative (MDTI) Cooperative Agreement Program  
Department of the Interior (Interior), Office of Surface Mining (OSM)

Notice seeking applications for studies that have the potential for improving the effectiveness of both the coal industry and the regulatory authority to conduct surface coal mining and reclamation activities and regulate coal mining activities, respectively, by gaining a better understanding of acidic and toxic mine drainage effects on the environment.

Applications are due July 8, 2019. Approximately 10 awards are available for up to \$200,000 each.

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

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Minerva Research Initiative  
Department of Defense (Defense)

Notice seeking individual and team applications to research a total of nine broad social science themes (Minerva Topics) that deepen fundamental understanding of the social and cultural forces shaping U.S. strategic interests globally. FY 19 Minerva topics include: Peer/Near-peer Statecraft, Influence, and Regional Balance of Power; Power, Deterrence, and Escalation Management; Alliances and Burden Sharing; Economic Interdependence and Security; Economic Viability, Resilience, and Sustainability of Logistics Infrastructure; Multi-Domain Behavioral Complexity and Computational Social Modeling; Autonomy, Artificial Intelligence, Machine Ethics, and Social Interactions; Models and Methods for Understanding Covert Online Influence; and Automated Cyber Vulnerability Analysis.

White papers are due June 20, 2019. Full proposals are due September 26, 2019. Approximately \$15 million is available for 12 awards to support projects lasting up five years.

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

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Pre-Release DoD STTR 19.B (541715) (541714) and DOD SBIR 19.2 (541715) (541714)  
Department of Defense (Defense)

Notices seeking Small Business Innovation Research (SBIR) or Small Business Technology Transfer (STTR) applications to support high quality cooperative research and development proposals for innovative concepts to solve the listed defense-related scientific or engineering problems that have high potential for commercialization in the private sector.

Applications are due July 1, 2019. Eligible small businesses may collaborate with colleges or universities for SBIR projects, while they must collaborate with colleges or universities for STTR projects. Phase I awards typically range from \$100,000 to \$167,500; Phase II awards from \$500,000 to \$1.1 million. Phase III awardees are required to obtain funding from either the private sector, a non-SBIR government source, or both. The full BAA will be released May 31, 2019. More information is also available in the DOD SBIR website: <https://sbir.defensebusiness.org>.

LINKS: [FBO DoD-STTR-19-B-541715](https://www.fbo.gov/doi/cp/2019/05/01/19-B-541715), [FBO DoD-STTR-19-B-541714](https://www.fbo.gov/doi/cp/2019/05/01/19-B-541714), [DoD-SBIR-19-2-541715](https://www.fbo.gov/doi/cp/2019/05/01/19-2-541715)

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TrojAI  
Intelligence Advanced Research Projects Activity (IARPA), Army (Army), Department of Defense (Defense), Director of National Intelligence (DNI), Material Command

Notice seeking research and development of technology and techniques for detection of Trojans in Artificial Intelligence. TrojAI is envisioned to be a two-year effort with multiple awardees coming together as a group of performers, which will work together to achieve the common program goals set forth in this BAA.

Required concept papers are due May 31, 2019. Invited full proposals are due July 25, 2019. Up to 10 awards expected.

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

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Meeting of the Civil Nuclear Trade Advisory Committee  
Department of Commerce (Commerce), International Trade Administration (ITA)

Notice announcing a meeting of the Civil Nuclear Trade Advisory Committee to discuss the International Trade Administration's Civil Nuclear Trade Initiative update and civil nuclear trade promotion activities.

The meeting will be held May 22, 2019 from 9:00 a.m. to 4:00 p.m. ET at the U.S. Department of Commerce, Herbert C. Hoover Building, Room 1412, 1401 Constitution Ave. NW, Washington, DC.

LINKS: [Federal Register](#)

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Technical Mapping Advisory Council  
Federal Emergency Management Agency (FEMA), Department of Homeland Security (Homeland Security)

Notice seeking applications to fill four available positions on the Technical Mapping Advisory Council (TMAC). The TMAC makes recommendations to the FEMA Administrator on how to improve, in a cost-effective manner, the accuracy, general quality, ease of use, and distribution and dissemination of flood insurance rate maps and risk data; and performance metrics and milestones required to effectively and efficiently map flood risk areas in the United States.

Applications are due May 31, 2019.

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

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Agriculture and Food Research Initiative - Foundational and Applied Science  
National Institute of Food and Agriculture (NIFA), United States Department of Agriculture (USDA)

Notice seeking proposals for fundamental and applied research, education, and extension projects in the food and agricultural sciences within the following priority areas: . Plant health and production and plant products; Animal health and production and animal products; Food safety, nutrition, and health; Bioenergy, natural resources, and environment; Agriculture systems and technology; and Agriculture economics and rural communities.

Deadlines and funding vary by program area. Cost sharing requirements vary by program area.

LINKS: [Grants.gov](#)

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Chemical Mechanisms to Address New Challenges in Air Quality Modeling  
Environmental Protection Agency (EPA), Office of Research and Development (ORD)

Notice seeking applications proposing research to improve air quality models relevant to ozone, particulate matter (PM), regional haze, air toxics, and emerging pollutants.

Applications are due June 24, 2019. Approximately \$6 million is available to support 10 awards.

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

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Early Career: Chemical Mechanisms to Address New Challenges in Air Quality Modeling  
Environmental Protection Agency (EPA), Office of Research and Development (ORD)

Notice seeking applications proposing research to improve air quality models relevant to ozone, particulate matter (PM), regional haze, air toxics, and emerging pollutants.

Applications are due June 24, 2019. Approximately \$6 million is available to support 10 awards.

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

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Early Stage Innovations  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals 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. Although progress under an award may be incremental, the projected impact at the system level must be substantial and clearly defined. Proposals for one of the following six topic areas are being sought: Rotating Detonation Rocket Engine Concept Development; Chemical Heat Integrated Power Systems; Rocket Plume-Surface Interaction Prediction Advancements; Machine Learning/Deep Learning Tools for Protecting Astronauts from Solar Energetic Particle Hazards; Next Generation Durability and Damage Tolerance Methodologies; and Integration of Cryogenic Fluid Two Phase Numerical Modeling Techniques.

Optional notices of intent are due May 29, 2019. Proposals are due June 26, 2019.

LINKS: [FBO](#)

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FY19 Advanced Manufacturing Office Multi-Topic FOA  
Department of Energy (Energy)

Notice seeking applications for innovative, early-stage advanced manufacturing applied research and development projects that focus on specific high-impact manufacturing technology, materials, and process challenges.

Mandatory concept papers are due June 20, 2019. Applications are due August 29, 2019. Up to 55 awards are anticipated, with funding levels determined by project tier and topic area. Cost sharing of 20% is required.

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

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Polyplexus Pilot Topic Opportunity Notice for Theory of Complexity (12)  
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking proposals to participate in Polyplexus, a platform for online, professional, technical conversation between the research community and DARPA. The shared task of this group is to rigorously explore the trends and possible applications of emerging science and technology in a specific technical area defined by a participating Program Manager. The online discussion culminates in an opportunity to submit an abstract and subsequently a proposal describing a proposed research project.

Abstracts are due August 14, 2019. Proposals are due September 3, 2019. At least one award of up to \$100,000 is anticipated.

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

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Research for Integrated Vehicle Aerodynamic Technologies (RIVAT)  
Department of Defense (Defense)

Notice seeking proposals for vehicle aerodynamic research in the following areas: Fundamental and Applied Fluid Dynamics; Aircraft Design and System Enhancements; Flow Control Applications; Weapons Integration and Cavity Flow; Propulsion Integration; Aero-Optics Interactions; and Technology Applications and Operational Analysis.

Required white papers will be accepted until May 9, 2023. Multiple awards of up to \$250,000 are anticipated.

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

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ROSES 2019: Decadal Survey Incubation Study Teams: Planetary Boundary Layer and Surface Topography and Vegetation  
National Aeronautics and Space Administration (NASA)

Notice seeking applications to assemble two study teams (one each) for advancing (1) Planetary Boundary Layer (PBL) and (2) Surface Topography and Vegetation (STV) Incubation Targeted Observables (TO). The decadal survey recommended the implementation of an incubation program intended to accelerate the readiness of high-priority observables not yet feasible for cost-effective flight implementation.

Requested notices of intent are due by June 17, 2019. Proposals are due August 1, 2019. Approximately \$1.5 million per team is available.

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

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Astronomy and Astrophysics Advisory Committee; Notice of Meeting  
National Science Foundation (NSF)

Notice announcing a meeting of the Astronomy and Astrophysics Advisory Committee to provide updates on agency activities.

The teleconference will be held on June 3, 2019 from 12:00 p.m. to 3:00 p.m. ET.

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

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NASA Advisory Council Human Exploration and Operations Committee  
National Aeronautics and Space Administration (NASA)

Notice announcing a meeting of the Human Exploration and Operations Committee of the NASA Advisory Council. The agenda for the meeting includes the following topics: NASA Human Exploration and Operations Overview; President's Proposed FY 2020 Budget Request; Human Lunar Exploration Update; Commercial Crew Program; Exploration Systems Program; International Space Station Update; and Evolving Space Communication and Navigation Technologies.

The meeting will be held Tuesday, May 28, 2019, 9:30 a.m.-5:30 p.m.; Wednesday, May 29, 2019, 8:00 a.m.-12:00 noon, ET at NASA Headquarters, 9H40, 9th Floor, 300 E Street SW, Washington, DC.

LINKS: [Federal Register](#)

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NASA Advisory Council Science Committee  
National Aeronautics and Space Administration (NASA)

Notice announcing a meeting of the Science Committee. The agenda for the meeting includes the following topics: Science Mission Directorate Missions, Programs and Activities; Moon to Mars Initiative; and NASA Science Plan.

The meeting will be held Tuesday, May 21, 2019, 9:30 a.m.-4:30 p.m.; and Wednesday, May 22, 2019, 8:30 a.m.-3:00 p.m., ET at NASA Headquarters, Room 3H42, 300 E Street SW, Washington, DC.

LINKS: [Federal Register](#)



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DRAFT Announcement of Opportunity for NASA Heliophysics Explorers Program 2019 Medium-Class Explorer (MIDEX) Missions for Community Comment  
National Aeronautics and Space Administration (NASA)

Notice seeking comments to provide frequent flight opportunities for high quality, high value, focused Heliophysics science investigations that can be accomplished under a not-to-exceed cost cap and that can be developed relatively quickly, generally in 48 months or less.

Comments are due May 31, 2019.

LINKS: [FBO](#)

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Quantum-Resistance Cryptography OTA for Prototype  
Department of Defense (Defense), Defense Information Systems Agency (DISA)

Notice seeking white papers to evaluate the use of quantum-safe algorithms and cryptographic solutions that can defend Department of Defense (DoD) Information Technology (IT) infrastructure from malicious cyber activities.

White papers are due May 31, 2019 to [disa.scott.ditco.mbx.pl84-other-transaction-authority@mail.mil](mailto:disa.scott.ditco.mbx.pl84-other-transaction-authority@mail.mil)

LINKS: [FBO](#)