

## UNO FOCUS:

Website & Database Updates  
National Science Foundation (NSF)

Effective November 22, 2021, the National Science Foundation (NSF) enhanced the Research.gov Proposal Submission System, NSF Public Access Repository, and NSF.gov Award Search.

LINKS: [Full Info](#)

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Louisiana RockOn!  
Louisiana Space Grant Consortium

Organized by the Colorado and Virginia Space Grant Consortia in partnership with NASA Wallops Flight Facility RockOn is a hands-on workshop, which leads teams through the process of building, testing, and flying a sounding rocket payload to an altitude in excess of 70 miles. Due to continued COVID-19 pandemic impacts, the RockOn! 2022 workshop details are still being finalized. Please note the workshop schedule (all final dates still TBD), requirements, and other details listed in these guidelines are subject to change. LaSPACE is prepared to support up to five teams of three to attend RockOn this year. The workshop registration (including cost for all materials, equipment, and shipping to/from Colorado), lodging, and other travel expenses for the selected teams will be directly supported by LaSPACE; no subaward will be issued.

Send any questions you may have to [laspace@lsu.edu](mailto:laspace@lsu.edu) and/or attend our January 12, 2022 [Zoom Open House](#). Please coordinate with faculty at your institution to submit a completed application, due on Wednesday, January 26, 2022.

LINKS: [Flyer](#)

## ARTS, HUMANITIES, and INTERNATIONAL

Bureau of Democracy, Human Rights and Labor Request for Statements of Interest: FY21 China Programs  
Department of State (State)

Notice seeking statements of interest for programs that protect and promote human rights in China. SOIs that propose to work primarily with diaspora or overseas groups must justify how proposed activities benefit citizens in China.

Required statements of interest are due December 15, 2021. Grants award amounts are from \$750,000 to \$1.5 million for one to three years.

Limited Submission: Primary organizations may submit a maximum of two SOIs.

LINKS: [Grants.gov](#)

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Fellowships Open Book Program  
National Endowment for the Humanities (NEH), Office of Digital Humanities (ODH)

Notice seeking applications designed to make outstanding humanities books available to a wide audience. By taking advantage of low-cost e-book technology, the program will allow teachers, students, scholars, and the public to read humanities books that can be downloaded or redistributed for no charge.

Applications are due March 22, 2022. The maximum award amount is \$5,000 (fixed amount).

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

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Institutes for Higher Education Faculty  
National Endowment for the Humanities (NEH)

Notice seeking proposals for professional development programs that convene higher education faculty from across the nation to deepen and enrich their understanding of significant topics in the humanities and enrich their capacity for effective scholarship and teaching.

Applications are due February 22, 2022. An estimated nine awards of up to \$235,000 are anticipated.

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

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Institutes for K-12 Educators  
National Endowment for the Humanities (NEH), Division of Education Programs

Notice seeking proposals for professional development programs that convene K-12 educators from across the nation to deepen and enrich their understanding of significant topics in the humanities and enhance their capacity for effective teaching and scholarship.

Applications are due February 22, 2022. An estimated 9 to 19 awards of up to \$235,000 are anticipated.

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

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Landmarks of American History and Culture  
National Endowment for the Humanities (NEH), Division of Education Programs

Notice seeking proposals for residential, virtual, and combined format projects that situate the study of topics and themes in K-12 humanities within sites, areas, or regions of historic and cultural significance. Projects aim to expand participants' knowledge of and approaches to teaching about diverse histories, cultures, traditions, languages, and perspectives in the United States and its jurisdictions.

Applications are due February 22, 2022. An estimated 12 to 13 awards of up to \$190,000 are anticipated.

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

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Archives Collaboratives  
National Archives and Records Administration (NARA)

Notice seeking proposals for Archives Collaboratives of three or more repositories working together to make their collections more readily available for public discovery and use.

Proposals are due June 8, 2022. Optional draft proposals are due April 1, 2022. Cost sharing is required.

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

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Institutes for Advanced Topics in the Digital Humanities  
National Endowment for the Humanities (NEH), Office of Digital Humanities (ODH)

Notice seeking applications to support national or regional (multistate) training programs for scholars, humanities professionals, and graduate students to broaden and extend their knowledge of digital humanities.

Applications are due March 2, 2022. Optional draft application are due January 23, 2022. The maximum award amount is \$250,000.

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

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Large Grants NOFO  
Department of State (State)

Notice seeking proposals for projects in South Africa to strengthen ties and build relationships between the United States and South Africa for the promotion of increased understanding of U.S. values, perspectives, and policies and relationship building between Americans and South Africans.

Applications are due April 30, 2022. Multiple awards of up to \$250,000 are anticipated.

LINKS: [Grants.gov](#)

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Major Collaborative Archival Initiatives  
National Archives and Records Administration (NARA)

Notice seeking proposals that must be collaborations among multiple institutions that undertake either of these two eligible activities to: digitize and publish online historical records as a “virtual” collection around a common theme, organization, or important historical figure(s); or create and test new tools and methods for the archival field to enhance public access, especially for born-digital records.

Proposals are due June 8, 2022. Optional draft proposals are due April 1, 2022. Approximately \$1 million is available to fund five awards. Cost sharing is required.

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

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Media Projects  
National Endowment for the Humanities (NEH), Division of Public Programs

Notice seeking proposals for collaborations between media producers and scholars to develop humanities content and to prepare documentary films, radio, and podcasts that engage public audiences with humanities ideas in creative and appealing ways. Development, production, and special awards are available.

Applications are due January 12, 2022. An estimated 9 to 12 awards are anticipated, with funding levels determined by project type.

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

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Planning for Collaborative Digital Editions in African American, Asian American, Hispanic American, and Native American History and Ethnic Studies  
National Archives and Records Administration (NARA)

Notice seeking proposals for its planning grant program for Collaborative Digital Editions in African American, Asian American, Hispanic American, and Native American History and Ethnic Studies.

Proposals are due June 8, 2022. Optional draft proposals are due April 1, 2022. Approximately \$720,000 is available to fund six awards.

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

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Publishing Historical Records in Collaborative Digital Editions  
National Archives and Records Administration (NARA)

Notice seeking proposals to publish online editions of historical records. All types of historical records are eligible, including documents, photographs, born-digital records, and analog audio.

Proposals are due June 8, 2022. Optional draft proposals are due April 1, 2022. Approximately \$3 million is available to support up to 25 awards. Cost sharing is required.

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

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State Board Programming Grants  
National Archives and Records Administration (NARA)

Notice seeking proposals to assist state boards to broaden preservation of, and increased online access to, historical records; develop and promote best practices; support activities that put the American people in touch with primary sources in their communities and online; promote the institutional advancement of organizations in underserved communities; and assist locally based repositories with training and tools to improve their stewardship abilities.

Proposals are due June 8, 2022. Optional draft proposals are due April 1, 2022. A Level I grant is for one year and for up to \$12,000. A Level II grant is for one year and for up to \$40,000 or for two years and for up to \$80,000. 30 awards are anticipated. Cost sharing is required.

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

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

2022 Pacific Northwest Bay Watershed Education and Training  
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals for an environmental education program that supports locally relevant, authentic experiential learning in the K-12 environment. Funded projects provide Meaningful Watershed Educational Experiences (MWEEs; defined below) for students, related professional development for teachers, and help to support regional education and environmental priorities in the Pacific Northwest.

Applications are due February 4, 2022. Approximately \$800,000 is available to support seven awards.

LINKS: [Grants.gov](#)

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NIST Public Safety Innovation Accelerator Program – 2022 (PSIAP-2022)  
National Institute of Standards and Technology (NIST), Department of Commerce (Commerce)

Notice seeking applications for activities to accelerate research, development, production, and testing of key public safety capabilities related to mission critical voice, location-based services, and user interface/user experience.

Applications are due January 18, 2022. Approximately \$7 million is available.

LINKS: [Grants.gov](#)

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Meeting of the National Drinking Water Advisory Council  
Environmental Protection Agency (EPA)

Notice announcing a meeting of the National Drinking Water Advisory Council for discussions on developing advice and recommendations to EPA on targeted issues related to revisions to the Consumer Confidence Report rule, as required by the America's Water Infrastructure Act of 2018.

The meeting will be held virtually on December 1, 2022 from 10:30 a.m. to 5:30 p.m. and December 2, 2022 from 10:00 a.m. to 5:30 p.m. ET.

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

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Alaska Marine Education and Training Mini-Grant Program  
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals to improve education and training on marine resource issues throughout the region and increase scientific education for marine-related professions among coastal community residents.

Applications are due April 1, 2022. Approximately \$150,000 is available to support 10 awards.

LINKS: [Grants.gov](#)

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Healthy Environmental Living Program Grant  
Environmental Protection Agency (EPA)

Notice seeking proposals to work directly with communities to reduce environmental risk to protect and improve human health and the quality of life.

Applications are due January 28, 2022. An estimated ten awards of up to \$100,000 are anticipated.

LINKS: [Grants.gov](#)

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YouthBuild  
Department of Labor (Labor), Employment and Training Administration (ETA)

Notice seeking proposals to provide a pre-apprenticeship program model that encompasses education, occupational skills training, leadership development, and high-quality post-program placement opportunities to opportunity youth.

Applications are due January 21, 2021. An estimated 75 awards of up to \$1.5 million are anticipated.

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

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## HEALTH and MENTAL HEALTH

2022 Empowering Communities to Deliver and Sustain Evidence-Based Chronic Disease Self-Management Education Programs  
Administration for Community Living (ACL), Department of Health and Human Services (HHS)

Notice seeking proposals to develop or expand capacity for, deliver, and sustain evidence-based chronic disease self-management education and support programs among older adults and adults with disabilities, particularly those in underserved areas/populations.

Applications are due January 25, 2022. An estimated nine awards of up to \$700,000 are anticipated.

LINKS: [Grants.gov](#)

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2022 Empowering Communities to Deliver and Sustain Evidence-Based Falls Prevention Programs  
Administration for Community Living (ACL), Department of Health and Human Services (HHS)

Notice seeking proposals to help communities reduce falls through the implementation of evidence-based falls prevention programs with two goals: develop or expand capacity to significantly increase the number of older adults and adults with disabilities, particularly those in underserved areas/populations, who participate in evidence-based falls prevention programs to empower them to reduce their risk of falls; and enhance the sustainability of evidence-based falls prevention programs through the implementation of one or more robust sustainability strategies.

Applications are due January 25, 2022. An estimated six to eight awards of up to \$600,000 are anticipated.

LINKS: [Grants.gov](#)

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Age-related Macular Degeneration (AMD) Integrative Biology Initiative: Discovery of AMD Pathobiology using Patient-Derived Induced Pluripotent Stem Cell (iPSC)-derived Retinal Pigment Epithelium (RPE) (U01 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Eye Institute (NEI)

Notice seeking applications to determine if these iPSC-derived cell lines can be used to discover the underlying pathophysiology of AMD. Collaborative effort is highly encouraged with investigators bringing in the needed areas of expertise for successful projects.

Applications are due February 17, 2022. Optional letters of intent are due January 22, 2022. Approximately \$5 million is available to support up to 12 awards.

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

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Alzheimer's Drug-Development Program (U01 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Aging (NIA)

Notice seeking applications to provide funding support for the pre-clinical and early stage clinical (Phase I) development of novel small-molecule and biologic drug candidates that prevent Alzheimer's disease (AD), slow its progression, or treat its cognitive and behavioral symptoms.

Applications are due annually on February 5, June 5, and October 5. Optional letters of intent are due 30 days prior to the application due date. Program expires November 6, 2024.

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

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Data Harmonization, Curation and Secondary Analysis of Existing Clinical Datasets (R61 R33 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Neurological Disorders and Stroke (NINDS)

Notice seeking proposals from multidisciplinary teams to perform secondary data analysis, using existing datasets from two or more multi-site clinical research projects, to address scientific and clinical hypotheses relevant to neurological disorders and conditions within the NINDS mission.

The next due date for applications is March 15, 2022. Multiple awards are anticipated.

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

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Drug Discovery for Nervous System Disorders (R21 Clinical Trials Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications supports the discovery of novel compounds for the prevention and treatment of nervous system disorders.

Applications are due annually on February 16, June 16, and October 16. Program expires January 8, 2025.

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

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Expert-Driven Small Projects to Strengthen Gabriella Miller Kids First Discovery (R03 Clinical Trial Not Allowed)

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

Notice seeking applications for alleviating suffering from childhood cancer and structural birth defects by fostering collaborative research to uncover the etiology of these diseases and supporting data sharing within the pediatric research community.

Applications are due June 10, 2022. Optional letters of intent are due May 10, 2022. Approximately \$1.68 million is available to fund 9 to 14 awards.

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

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Field Initiated Projects Program (Research)

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.

Applications are due January 17, 2022. Approximately \$1.6 million is available to support eight awards.

LINKS: [Grants.gov](#)

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HEAL Initiative: Developing Quantitative Imaging and Other Relevant Biomarkers of Myofascial Tissues for Clinical Pain Management (R61 R33, Clinical Trial Required)

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

Notice seeking proposals for the development of innovative quantitative imaging and other relevant biomarkers of myofascial tissues for pain management involving research participants using a two-phase grant funding mechanism.

Applications are due February 11, 2022. An estimated five to eight awards are anticipated.

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

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NEI Regenerative Medicine Clinical Trial Planning Grant (R34 - Clinical Trials Not Allowed)

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

Notice seeking proposals to push the boundaries of vision science and restore vision through regeneration of cells in the retina.

The next due date for applications is February 16, 2022. Multiple awards of up to \$150,000 per year are anticipated.



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

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Predocutorial Training in General, Pediatric, and Public Health Dentistry and Dental Hygiene  
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking applications to enhance predoctoral dental, dental hygiene, and other oral health care trainee's clinical ability to care for populations and individuals with medically complex health conditions, special and/or behavioral health care needs, and focus on patient-centered care so that students gain a better understanding of the social determinants of health, in order to improve the oral health of vulnerable, underserved, and rural populations.

Applications are due February 7, 2022. Approximately \$4.5 million is available to support up to 15 awards.

LINKS: [Grants.gov](#)

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Using Just-in-Time Adaptive Interventions to Optimize Established Adolescent Mental Health Treatments (R61-R33 Clinical Trial Required)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Mental Health (NIMH)

Notice seeking applications for pilot research to develop and test just-in-time adaptive intervention (JITAI) augmentations to enhance the effectiveness and clinical potency of established adolescent mental health treatments. An emphasis is placed on studies that are informed by developmental science and grounded in an empirical model of behavior change.

Applications are due June 22, 2022 and February 22, 2023. Optional letters of intent are due 30 days prior to the application due date. Approximately \$2 million is available to support up to five awards.

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

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Advanced Development and Validation of Emerging Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R33 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking proposals for exploratory research projects focused on further development and validation of emerging technologies offering novel capabilities for targeting, probing, or assessing molecular and cellular features of cancer biology for basic or clinical cancer research.

The next due date for applications is April 22, 2022. An estimated ten awards of up to \$300,000 per year are anticipated.

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

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Basic Neurodevelopmental Biology of Circuits and Behavior (R21 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications focused on the dynamic and mechanistic links between the maturation of brain circuits and behaviors across development in rodents and non-human primates. The goal is to build a foundation for understanding how interactions within and among brain regions change over pre- and post-natal development, allowing for the emergence of cognitive, affective and social behaviors.

Applications are due annually on February 16, June 16, and October 16. Program expires January 8, 2025.



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

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Dental Clinician Educator Career Development Program  
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking proposals for funds supporting academic career development of dental faculty who teach primary care dentistry and primary care physicians via a collaborative project between department(s) of general, pediatric or public health dentistry and a department of primary care medicine.

Applications are due February 14, 2022. An estimated eight awards of up to \$187,500 are anticipated.

LINKS: [Grants.gov](#)

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FY2022 Wounded Warrior Service Dog Project (WWSDP)  
Department of Defense (Defense)

Notice seeking proposals to advance the service dog industry through continued learning, innovative training programs, and superior industry standards. Disabled service members/veterans are to be provided with trained service dogs matched to their disabilities, at no cost.

Applications are due January 25, 2022. An estimated 25 awards of up to \$1 million are anticipated.

LINKS: [Grants.gov](#)

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Innovative Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R61  
Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer  
Institute (NCI)

Notice seeking proposals for exploratory research projects focused on the early-stage development of highly innovative technologies offering novel molecular or cellular analysis capabilities for basic or clinical cancer research.

The next due date for applications is April 22, 2022. An estimated 17 awards of up to \$150,000 per year are anticipated.

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

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Measures and Methods to Advance Research on Minority Health and Health Disparities-Related Constructs  
(R01 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to support research that will advance the measurement and methodology of complex constructs relevant to minority health and health disparities.

Applications are due annually on February 5. Program expires May 8, 2024.

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

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National Institute on Disability, Independent Living, and Rehabilitation Research Field Initiated Projects  
Program (Development OR Research)  
Administration for Community Living (ACL), Department of Health and Human Services (HHS)

Notice seeking proposals to generate new knowledge through research or to develop methods, procedures, and rehabilitation technologies that maximize the full inclusion and integration into society, employment, independent living, family support, and economic and self-sufficiency of people with disabilities, especially people with the highest support needs. Separate mechanisms for research and development are available.

Development applications are due January 15, 2022. Research applications are due January 16, 2022. An estimated seven development and eight research awards of up to \$200,000 are anticipated.

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

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

Notice seeking proposals to establish an Education and Research Center to address the burden of occupational safety and health in the United States by providing state-of-the-art interdisciplinary training for the next generation of OSH practitioners and researchers.

Required letters of intent are due December 13, 2021. An estimated 18 awards of up to \$1.8 million are anticipated.

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

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Real-world effectiveness of structured lifestyle interventions in preventing type 2 diabetes  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking proposals to join a research network consisting of multiple study sites for assessing system and individual level barriers and facilitators to participation in and completion of structured lifestyle intervention programs as implemented by the CDC National Diabetes Prevention Program, including the Medicare Diabetes Prevention Program.

Letters of intent are due December 27, 2021. An estimated five awards of up to \$570,000 are anticipated.

LINKS: [Grants.gov](#)

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Regional Public Health Training Centers (PHTC) Program  
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking proposals to strengthen the public health workforce through tailored training and technical assistance through collaborative community-based projects in a number of regional public health training centers.

Applications are due January 24, 2022. An estimated ten awards of up to \$1,105,000 are anticipated.

LINKS: [Grants.gov](#)

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Toward Translation of Nanotechnology Cancer Interventions (TTNCI) (R01 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking proposals for advanced pre-clinical research, supporting translation of nanotechnology-based cancer diagnostics and therapeutics.

The next due date for applications is May 17, 2022. Multiple awards of up to \$475,000 per year are anticipated.

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

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National Center for Complementary & Integrative Health; Notice of Meeting  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice announcing a meeting of the National Advisory Council for Complementary and Integrative Health for a report from the Director of the Center and Other Staff.

The open portion of the meeting will be held virtually on January 21, 2022 from 11:40 a.m. to 5:00 p.m. ET.

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

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Office of the Secretary, Interagency Pain Research Coordinating Committee Call for Committee Membership Nominations  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking nominations for the Interagency Pain Research Coordinating Committee including six non-Federal members from among scientists, physicians, and other health professionals and six non-Federal members of the general public who are representatives of leading research, advocacy, and service organizations for individuals with pain-related conditions.

Nominations are due December 15, 2021.

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

## SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

BLM Headquarters Office Wild Horse and Burro Research Projects  
Bureau of Land Management (BLM), Department of the Interior (Interior)

Notice seeking proposals for research that will either: A) develop and/ or test fertility control methods that are safe, humane, and applicable to female wild horse (mares), and which are longer-lasting than currently available fertility control methods used by the BLM in wild mares; or B) address ecological relationships between wild horses and burros and their environments, with studies that may also address the effects of climate change on wild horse and burro populations.

Applications are due January 18, 2022. Approximately \$11 million is available to fund up to 15 awards.

LINKS: [Grants.gov](#)

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FY 2022 NASA Established Program to Stimulate Competitive Research Notice of Funding Opportunity (NOFO)  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to Contribute to and promote the development of research capability in NASA EPSCoR jurisdictions in areas of strategic importance to the NASA mission; Improve the capabilities of the NASA EPSCoR jurisdictions to gain support from sources outside the NASA EPSCoR program; Develop partnerships among NASA research assets, academic institutions, and industry; and Contribute to the overall research infrastructure, science and technology capabilities of higher education, and economic development of the jurisdiction. The NASA EPSCoR Directors from the following jurisdictions are eligible to submit one proposal to this NASA EPSCoR solicitation: Alabama, Alaska, Arkansas, Delaware, Guam, Hawaii, Idaho, Iowa, Kansas, Kentucky, Louisiana, Maine, Mississippi, Montana, Nebraska, Nevada, New Hampshire, New Mexico, North Dakota, Oklahoma, Puerto Rico, Rhode Island, South Carolina, South Dakota, US Virgin Islands, Vermont, West Virginia, and Wyoming.

Proposals are due February 14, 2022. Grant awards are up to \$750,000.

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

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MUREP Precollege Summer Institute (MUREP PSI)  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals from Historically Black Colleges and Universities and Predominantly Black Institutions to establish a Precollege Summer Institute that will increase participation and retention of historically underserved and underrepresented high school students in STEM areas and equip them for success in college STEM degree programs and eventually in STEM careers.

Applications are due January 18, 2022. An estimated ten awards of up to \$65,000 are available.

Limited Submission: Only HBCUs may apply.

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

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NOAA SBIR FY 2022 Phase I  
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals to determine the scientific, technical, and commercial merit and feasibility of the proposed research and the quality of performance of the SBC receiving an award. The Phase I proposal should focus on research that will significantly contribute to evaluating the feasibility of the project, a prerequisite to further support in Phase II.

Required letters of intent are due December 13, 2021. Proposals are due February 18, 2022.

LINKS: [Grants.gov](#)

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ROSES 2021: Land-Cover Land-Use Change:SARI Synthesis  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals aimed at synthesizing the existing research to assess the current state and trends of land-use change in the South/Southeast Asia Research Initiative (SARI) region.

Proposals are due February 16, 2022. Requested notices of intent are due December 17, 2021. Approximately \$1.4 million per year is available.

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

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Basic Energy Sciences Advisory Committee  
Department of Energy (Energy)

Notice announcing a meeting of the Basic Energy Sciences Advisory Committee. An extended agenda can be found on the agency site.

The meeting will be held virtually on December 6, 2021 from 11:00 a.m. to 5:00 p.m. ET.

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

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Biomanufacturing: Survival, Utility, and Reliability beyond Earth (BSURE)  
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking innovative research proposals to investigate the biological foundations for biomanufacturing beyond Earth using in situ resources.

Applications are due January 25, 2022. Multiple awards are anticipated.

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

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Computational Chemical Sciences  
Department of Energy (Energy)

Notice seeking proposals from small groups of 2-3 Principal Investigators and integrated multidisciplinary teams (typically from multiple institutions) in Computational Chemical Sciences.

Required pre-applications are due January 7, 2022. Multiple awards of up to \$2 million are anticipated.

LINKS: [Grants.gov](#)

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Ethical and Responsible Research  
National Science Foundation (NSF)

Notice seeking proposals to produce knowledge about what constitutes or promotes responsible or irresponsible conduct of research and why, as well as how to best instill this knowledge into researchers, practitioners, and educators at all career stages.

Proposals are due February 17, 2022, January 23, 2023, and January 21, annually thereafter. Approximately \$5.2 million is available to support 10 to 15 awards.

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

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Major Research Instrumentation Program  
National Science Foundation (NSF)

Notice seeking proposals for the acquisition or development of a multi-user research instrument that is, in general, too costly and/or not appropriate for support through other NSF programs.

Applications are due January 19, 2022. Multiple awards of up to \$100,000 are anticipated.

Limited Submission: A maximum of three submissions per institution are allowed.

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

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NSF Scholarships in Science, Technology, Engineering, and Mathematics Program  
National Science Foundation (NSF)

Notice seeking proposals from low-income students with academic ability, talent or potential to pursue successful careers in promising STEM fields. Mechanisms for Institutional Capacity Building; single institution implementation; inter-institutional consortia; and planning projects are available.

Applications are due February 22, 2022. An estimated 75 to 90 awards are anticipated, with funding determined by project type.

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

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Physical and Dynamic Meteorology  
National Science Foundation (NSF)

Notice seeking proposals for basic research on atmospheric physics and dynamics at sub-synoptic scales, including processes relevant to, and impacted by, climate change.

Proposals may be submitted at any time. Multiple awards are anticipated.

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

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SciDAC: Partnerships in Earth System Model Development  
Department of Energy (Energy)

Notice seeking proposals from multi-disciplinary teams for new research applications for Partnerships in Earth System Model Development that enable or accelerate scientific discovery employing deep, necessary, and productive collaborations between earth-system scientists on the one hand and applied mathematicians and computer scientists on the other, that overcome the barriers between these disciplines and consequently fully exploit the capabilities of high-performance computing in order to accelerate and enhance the DOE's Energy Exascale Earth System Model development.

Required pre-applications are due January 13, 2022. Multiple awards of up to \$3 million are anticipated.

LINKS: [Grants.gov](#)

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Water Quality Benefits  
Environmental Protection Agency (EPA)

Notice seeking proposals for research that will address how measurable attributes of water quality improvements can be valued, either directly or through indicators.

Applications are due January 26, 2022. An estimated seven awards of up to \$742,000 are anticipated.

LINKS: [Grants.gov](#)

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

Notice announcing a meeting of the NSF Astronomy and Astrophysics Advisory Committee to hear presentations of current programming by representatives from NSF, NASA, DOE and other agencies relevant to astronomy and astrophysics; to discuss current and potential areas of cooperation between the agencies; to formulate recommendations for continued and new areas of cooperation and mechanisms for achieving them; and to discuss the Committee's draft annual report.

The meeting will be held virtually on January 25 and 26, 2022 from 9:00 a.m. to 5:00 p.m. ET.

LINKS: [Federal Register](#)

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Committee on Equal Opportunities in Science and Engineering; Notice of Meeting  
National Science Foundation (NSF)

Notice announcing a meeting of the Committee on Equal Opportunities in Science and Engineering to study data, programs, policies, and other information pertinent to the National Science Foundation and to provide advice and recommendations concerning broadening participation in science and engineering. A full agenda is posted on the committee's website.

The meeting will be held virtually on February 17 and 18, 2022.

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

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NASA Advisory Council; Aeronautics Committee; Meeting  
National Aeronautics and Space Administration (NASA)

Notice announcing a meeting of the Aeronautics Committee of the NASA Advisory Council to conduct overviews of the Aeronautics Research Mission Directorate FY22 Budget and Aeronautics Research Mission Directorate programs.

The meeting will be held virtually on December 15, 2021 from 2:15 to 6:00 p.m. ET.

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

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NASA Advisory Council; Technology, Innovation and Engineering Committee; Meeting  
National Aeronautics and Space Administration (NASA)

Notice announcing a meeting of the Technology, Innovation, and Engineering Committee of the NASA Advisory Council to discuss the following agenda: Space Technology Mission Directorate Update; Office of Technology, Policy, and Strategy Update; Perseverance Technology Demonstrations and Cryogenics Fluid Management "Tipping Point" Updates; "Space Nuclear Propulsion for Human Mars Exploration" Report Overview; and Early Stage Portfolio Updates.

The meeting will be held virtually on December 14, 2021 from 11:00 a.m. to 4:30 p.m. ET.

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

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National Artificial Intelligence Research Resource Task Force; Notice of Meeting  
National Science Foundation (NSF)

Notice announcing a meeting of the National Artificial Intelligence Research Resource Task Force to receive readouts from working-group discussions held on the topics of user access controls and useable security; privacy, civil rights, and civil liberties requirements; and technical integration of desired capabilities. The Task Force will discuss options for public-private partnerships and sustainment within the design of a National Artificial Intelligence Research Resource and deliberate on an outline for the Task Force's interim report.

The meeting will be held virtually on February 16, 2022 from 11:00 a.m. to 5:00 p.m. ET.

LINKS: [Federal Register](#)