

## UNO FOCUS:

Campus RainWorks Challenge  
U.S. Environmental Protection Agency

The Campus RainWorks Challenge is a green infrastructure design competition for American colleges and universities that seeks to engage with the next generation of environmental professionals, foster a dialogue about the need for innovative stormwater management techniques, and showcase the environmental, economic, and social benefits of green infrastructure practices.

To enter the Challenge, teams must submit a [registration form](#). Registration for the 10th annual Campus RainWorks Challenge will be open September 1 - October 1, 2021. During the registration period this website will be updated with a link to the registration form.

LINKS: [EPA.gov](https://www.epa.gov)

## ARTS, HUMANITIES, and INTERNATIONAL

Digital Journalism in the South Pacific Region  
Department of State (State), U.S. Mission to New Zealand

Notice seeking applications to conduct training/program specific to digital journalism targeted at people in the media sphere in the South Pacific Island Region.

Applications are due September 29, 2021. The maximum for each award is \$60,000. Ten awards are anticipated.

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

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Freedom of Information Act (FOIA) Advisory Committee  
National Archives and Records Administration (NARA)

Notice announcing an upcoming Freedom of Information Act (FOIA) Advisory Committee meeting. The purpose of this meeting will be to hear a presentation about the application of information access to non-governmental entities performing government functions, and updates from the four Subcommittees: Classification, Legislation, Process, and Technology.

The meeting will be on September 9, 2021, from 10:00 a.m. to 1:00 p.m. ET. You must register by 11:59 p.m. ET September 7, 2021, to attend the meeting.

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

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Dis and Misinformation Awareness in Samoa, Cook Islands and Niue  
Department of State (State), U.S. Mission to New Zealand

Notice seeking proposals to conduct a survey resulting in a messaging campaign strategy for raising awareness of mis and disinformation in Samoa, Cook, and Niue.

Proposals are due September 29, 2021. The maximum for each award is \$50,000.

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

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Digital Humanities Advancement Grants  
National Endowment for the Humanities (NEH), Office of Digital Humanities

Notice seeking proposals for innovative, experimental, and/or computationally challenging digital projects, leading to work that can scale to enhance scholarly research, teaching, and public programming in the humanities.

Applications are due January 14, 2022. An estimated 15 awards are anticipated with funding determined by level.

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

## EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Conservation Outreach: Racial Equity and Justice Conservation Cooperative Agreements  
United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS)

Notice seeking applications to expand the delivery of conservation assistance to historically underserved farmers and ranchers, including socially disadvantaged, limited resource, beginning, tribal and veteran. Proposals should support activities that introduce the concepts of climate-smart agriculture and to assist producers with planning and implementation of conservation practices and principles.

Applications are due October 25, 2021. Approximately \$50 million is available.

LINKS: [Grants.gov](#)

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

Notice seeking proposals from rural small businesses and agricultural producers to conduct energy audits, provide renewable energy technical assistance, and/or conduct renewable energy site assessments.

Applications are due February 1, 2022. An estimated 40 awards of up to \$100,000 are anticipated.

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

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Notice of the President's National Infrastructure Advisory Council Meeting  
Department of Homeland Security (Homeland Security)

Notice announcing a meeting of the President's National Infrastructure Advisory Council to present, deliberate, and vote on the Workforce and Talent Management Study Report.

The meeting will be held virtually on September 22, 2021 from 1:30 to 3:00 p.m. ET.

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

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FY2022 AmeriCorps State and National Public Health AmeriCorps  
Corporation for National and Community Service (CNCS)

Notice seeking applications that will enable the recruitment, training, and development of a new generation of public health leaders who are ready to respond to the public health needs of the nation by providing public health service in communities.

Applications are due November 8, 2021.

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

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National Advisory Council on Innovation and Entrepreneurship (NACIE); Solicitation of Applications  
Economic Development Administration (EDA), Department of Commerce (Commerce)

Notice seeking applications for membership on the National Advisory Council on Innovation and Entrepreneurship (NACIE). NACIE advises the Secretary of Commerce (the Secretary) on matters related to accelerating innovation and entrepreneurship, advancing the commercialization of research and development, promoting workforce development, and other related matters.

Applications are due October 25, 2021 to the contact email below.

LINKS: [Federal Register](#)

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Small Business Innovation Research Program Phase I  
National Institute of Food and Agriculture (NIFA), United States Department of Agriculture (USDA)

Notice seeking applications that focuses on transforming scientific discovery into products and services with commercial potential and/or societal benefit.

Applications are due November 3, 2021. Approximately \$12 million is available. Partnership opportunities may exist for colleges and universities.

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

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Open Meeting of the Taxpayer Advocacy Panel Joint Committee  
Department of the Treasury (Treasury)

Notice announcing an open meeting of the Taxpayer Advocacy Panel Joint Committee will be conducted. The Taxpayer Advocacy Panel is soliciting public comments, ideas, and suggestions on improving customer service at the Internal Revenue Service.

The meeting will be held Thursday, October 28, 2021.

LINKS: [Federal Register](#)

## HEALTH and MENTAL HEALTH

Autism Centers of Excellence: Centers (P50 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications for the Autism Centers of Excellence: Centers Program, hereafter termed "ACE Centers". The P50 mechanism allows for integrative, multi-disciplinary, coordinated programs of research that demonstrate cohesion and synergy across research projects and cores.

Applications are due November 9, 2021. Optional letters of intent are due 30 days prior to the application due date. Approximately \$24.5 million is available to support 8 to 10 awards.

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

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Autism Centers of Excellence: Networks (R01 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications for the Autism Centers of Excellence: Networks Program, hereafter termed

“ACE Networks”. Each ACE Network will consist of a multi-site project focusing on a specific topic of research for R01 support through this FOA.

Applications are due November 9, 2021. Optional letters of intent are due 30 days prior to the application due date. Approximately \$24.5 million is available to support 8 to 10 awards.

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

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Impact of Technology and Digital Media (TDM) Exposure-Usage on Child and Adolescent Development (P01 Clinical Trial Optional)

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

Notice seeking applications to support integrated, multi-project research programs examining the pathways by which technology and digital media (TDM) exposure and usage impact developmental trajectories and health outcomes in early childhood (ages birth-8) and adolescence (ages 9-17).

Applications are due November 29, 2021. Optional letters of intent are due October 29, 2021. Approximately \$3 million is available.

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

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Implementation Science for Cancer Control in People Living with HIV in Low- and Middle-Income Countries (U01 Clinical Trial Optional)

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

Notice seeking applications that will identify, understand, and develop strategies to address barriers to the adoption, integration, and sustainability of evidence-based cancer control interventions among People Living with HIV (PLWH) in LMICs and generate data in LMICs that can inform effective and equitable implementation of evidence-based cancer control for PLWH worldwide.

Applications are due December 15, 2021. Optional letters of intent are due 30 days prior to the application due date. Approximately \$5 million is available to support up to six awards.

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

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Learning Disabilities Innovation Hubs (P20 Clinical Trial Optional)

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

Notice seeking applications addressing the etiology, manifestation, prevention and remediation of reading, writing and/or mathematics specific learning disorders (SLDs). An LD Hub includes a single research project and a Leadership Core that support the goals and aims of the LD Hub.

Applications are due November 30, 2021. Optional letters of intent are due 30 days prior to the application due date. Approximately \$1.6 million is available to support three awards.

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

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Genomic Medicine Program Advisory Committee  
Department of Veterans Affairs (VA)

Notice announcing a meeting of the Genomic Medicine Program Advisory Committee. The Committee's purpose is to provide advice and make recommendations to the Secretary of Veterans Affairs on using

genetic information to optimize medical care for Veterans and enhance the development of tests and treatments for diseases particularly relevant to Veterans.

The meeting will be held virtually on Wednesday, September 29, 2021. The meeting will begin at 11:30 a.m. EDT and adjourn at 3:30 p.m. ET.

LINKS: [Federal Register](#)

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Cancer Research Education Grants Program - Courses for Skills Development AND Research Experiences (R25 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking proposals for educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs within the realm of cancer study and treatment. Mechanisms are available to fund research experiences and courses for skill development.

The next due date for applications is September 25, 2021. Multiple awards are anticipated.

LINKS: [Grants.gov \(Courses for Skills Development\)](#), [Grants.gov \(Research Experiences\)](#)

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A Multilevel Approach to Connecting Underrepresented Populations to Clinical Trials (CUSP2CT U01 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications that will implement and evaluate multilevel and culturally tailored outreach and education interventions with the primary goal of increasing referral and ultimately, accrual of underrepresented racial/ethnic (R/E) minority populations, to NCI-supported clinical trials (CTs) (National Clinical Trial Network (NCTN), NCI's Community Oncology Research Program (NCORP), and Experimental Therapeutics Clinical Trials Network (ETCTN)). The target population(s) should include individuals from underrepresented racial/ethnic (R/E) minority populations.

Applications are due November 19, 2021. Optional letters of intent are due October 19, 2021. Approximately \$4.6 million is available to support four to six awards.

LINKS: [Grants.gov](#), [Grants.gov \(Data, Evaluation and Coordinating Center\)](#), [Solicitation](#)

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Collaborative Partnership between Research Centers in Minority Institutions (RCMI) and Alcohol Research Centers (U54 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Notice seeking applications to strengthen the alcohol research capacity, develop research expertise in biomedical and clinical fields to identify, characterize, and reduce adverse health effects due to alcohol use and misuse. This FOA aims to support RCMI to build alcohol research infrastructure and capacity and to enhance diversity in the biomedical workforce.

Applications are due December 15, 2021. Optional letters of intent are due November 15, 2021. Approximately \$1.5 million is available

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

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Multipurpose Prevention Technology: Novel Systemic Options for Young Adults (R41 R42 R43 R44 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals the development of new and innovative long-acting systemic and non-systemic multipurpose prevention technologies that prevent HIV infection and pregnancy (hormonal and non-hormonal methods) in adolescent and young women. Funding mechanisms are available for R43/R44 and R41/R42 projects; clinical trials not allowed.

The next due date for applications is December 9, 2021. Multiple awards are anticipated, with funding determined by project type and phase.

LINKS: [Grants.gov \(R43/R44 Clinical Trial Not Allowed\)](#), [Grants.gov \(R41/R42 Clinical Trial Not Allowed\)](#)

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National Cancer Institute Youth Enjoy Science Research Education Program (R25 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications to facilitate the education of students from diverse backgrounds underrepresented in biomedical research who will become knowledgeable about cancer, and available to focus on cancer later in their careers. With the aim of enhancing the pool of individuals from underrepresented backgrounds interested in pursuing a career in biomedical research via early intervention strategies, the NCI Youth Enjoy Science (YES) Program will support efforts to create and maintain an institutional program to engage grades 6-12 and/or undergraduate students from underrepresented populations in cutting edge cancer research experiences.

Applications are due October 28, 2021; September 28, 2022; and September 28, 2023.

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

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NCI Mentored Research Scientist Development Award to Promote Diversity (K01 Independent Clinical Trial Not Allowed AND K01 Clinical Trial Required)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking proposals for cancer research from eligible individuals from diverse backgrounds, including groups that have been shown to be nationally underrepresented in the biomedical, behavioral, social and clinical sciences for salary and research support for a sustained period of "protected time" for intensive research career development under the guidance of an experienced mentor. Funding mechanisms are available for research with and without clinical trials.

The next due date for applications is October 12, 2021. Multiple awards of \$30,000 are anticipated.

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

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NIDA Research Education Program for Clinical Researchers and Clinicians (R25 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 educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development and Research Experiences.

Applications are due November 15, 2021, March 15, 2022, August 10, 2022, November 15, 2022, March 15, 2023, August 10, 2023, November 15, 2023, March 15, 2024, and August 9, 2024. Optional letters of intent are due 30 days prior to the application due date. Program expires August 10, 2024.

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

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

Notice seeking applications to plan and implement behavioral and social intervention clinical trials. Studies appropriate for this announcement include clinical trials to develop and test behavior change interventions related to dental, oral, or craniofacial conditions. Awards made under this FOA will initially support a milestone-driven planning phase (UG3) for up to 2 years, with possible transition to a clinical trial implementation phase (UH3) of up to five years.

The next due date for applications is October 6, 2021. Optional letters of intent are due 30 days prior to the application due date.

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

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NIDDK Inflammatory Bowel Disease Genetics Consortium (IBDGC) Genetic Research Centers (GRCs) (U01 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Notice seeking applications to renew the IBDGC with a continued mission to characterize the genetic architecture of IBD phenotypes, particularly in populations currently underrepresented in IBD genomic studies, and to elucidate the biological mechanisms by which genetic variants influence IBD pathophysiology, phenotypes and clinical course. The Genetic Research Centers (GRCs) of the IBDGC will serve as sites for enrollment of IBD patients, relatives and healthy controls, for laboratory-based studies on biological samples obtained from these subjects, and for mechanistic studies of the risk variants identified, and of the genes, proteins and pathways they impact.

Applications are due December 21, 2021. Optional letters of intent are due November 21, 2021. Approximately \$3.8 million is available to support up to seven awards.

Limited Submission: One application per institution is allowed.

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

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Translational and Basic Science Research in Early Lesions (TBEL) (U54 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking proposals to integrate basic and translational cancer research concepts to examine the direct causal relationships and interactions of an early lesion, its microenvironment and host-systemic factors as co-organizers of tumor initiation (or suppression) and malignant progression.

Applications are due November 2, 2021. Approximately five awards of up to \$1 million are anticipated.

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

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Historically Black Colleges and Universities 2021 National HBCU Week Conference Events

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

Notice invites you to two days of informative events during the 2021 National HBCU Week Conference. These events include a workshop on Thursday, September 9, 2021, that will explore Equity Through Consortium Building and on Friday, September 10, 2021, a Federal HBCU Industry Day and Networking.

The meeting will be held September 9-10, 2021 at 9:00 a.m. to 3:00 p.m. You can register at <https://vevent.ctex-inc.com/landing/nih-hbcu-conference>.

LINKS: [Contract Opportunities](#)

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Meeting of the National Vaccine Advisory Committee  
Department of Health and Human Services (HHS)

Notice announcing a meeting of the National Vaccine Advisory Committee. The purpose of the meeting is to provide advice and make recommendations to the Director of the National Vaccine Program on matters related to the Program's responsibilities.

The meeting will be held September 14-15, 2021. The confirmed meeting times and agenda will be posted on the NVAC website at <http://www.hhs.gov/nvpo/nvac/meetings/index.html> as soon as they become available.

LINKS: [Federal Register](#)

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National Human Genome Research Institute; 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 Human Genome Research to receive a Report from the Institute Director and Program Staff.

The open portion of the meeting will be held virtually on September 13, 2021 from 10:00 a.m. to 3:00 p.m. ET.

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

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Basic Research in Cancer Health Disparities (R01 R03 R21 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking proposals from investigators interested in conducting basic, mechanistic research into the biological/genetic causes of cancer health disparities. R01, R03, and R21 funding mechanisms are available.

The next due date for R01 applications is October 5, 2021. The next due date for R03 and R21 applications is October 16, 2021. Multiple awards are anticipated.

LINKS: [Grants.gov \(R01\)](#), [Grants.gov \(R21\)](#), [Grants.gov \(R03\)](#)

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Mechanism for Time-Sensitive Drug Abuse Research (R21 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Drug Abuse (NIDA)

Notice seeking proposals for pilot, feasibility or exploratory research in 5 priority areas in substance use epidemiology and health services. See solicitation for a detailed accounting of priority areas.

The next due date for applications is January 11, 2022. Multiple awards of up to \$275,000 for two years are anticipated.

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

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Mechanisms that Impact Cancer Risk after Bariatric Surgery (R01 Clinical Trial Optional AND R21 Clinical Trial Not Allowed)

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

Notice seeking proposals for support of investigator-initiated studies addressing mechanisms by which bariatric surgery impacts cancer risk, and seeking to draw in talented scientists who study bariatric surgery to investigate its effects on cancer, rather than shorter-term outcomes such as weight loss and diabetes. R01 Clinical Trial Optional and R21 Clinical Trial Not Allowed funding mechanisms are available.

R01 applications are due November 12, 2021. R21 applications are due November 18, 2021. Multiple awards of both mechanisms are anticipated, with an award ceiling of \$500,000 per year for R01 grants, and \$275,000 for two years for R21 grants.

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

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Partnership for Enhanced Efforts To Strengthen The Nation's Healthcare And Public Health Preparedness, Response, And Recovery To Disasters And Other Emergencies  
Department of Health and Human Services (HHS)

Notice seeking proposals to improve collaboration between the Office of the Assistant Secretary for Preparedness and Response, public health and healthcare sectors, and emergency management services to enhance national health security, foster community health resilience, and strengthen healthcare delivery, public health, and healthcare preparedness and emergency response.

Applications are due September 22, 2021. An estimated seven awards of up to \$4 million are anticipated.

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

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Detecting Cognitive Impairment, Including Dementia, in Primary Care and Other Everyday Clinical Settings for the General Public and Health Equity, Pragmatic Clinical Trials (U01 Clinical Trial Required)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Neurological Disorders and Stroke (NINDS); National Institute on Aging (NIA)

Notice seeking applications to invite pragmatic clinical trial applications to test paradigms designed to address the unmet need to detect cognitive impairment, including dementia, in large and diverse populations seen in primary care across the United States when a patient, relative, or care provider indicates concern.

Applications are due November 10, 2021. Optional letters of intent are due September 10, 2021. Approximately \$7.5 million is available to support up to five awards.

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

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High Priority HIV and Substance Use Research (R01 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 support high priority research at the intersection of HIV and substance use. This FOA invites innovative research projects with the potential to open new areas of HIV/AIDS research

and/or lead to new avenues for prevention, treatment and cure of HIV among people who use drugs (PWUD).

Applications are due annually on February 15 and August 15. Program expires February 16, 2024. Optional letters of intent are due 30 days prior to the application due date. Approximately \$3.5 million is available to support three to five awards.

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

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Pharmacokinetics (PK) and Pharmacodynamics (PD) of THC in Cannabis and Cannabis Products (R01 R21 - 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 support human and animal research on the pharmacokinetic (PK) and pharmacodynamic (PD) effects of  $\Delta^9$ -tetrahydrocannabinol (THC) that is present in cannabis and cannabis products.

Applications are due February 9, 2022. Optional letters of intent are due January 9, 2022. Approximately \$2 million is available to support four to eight awards.

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

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Utilizing the PLCO Biospecimens Resource to Bridge Gaps in Cancer Etiology and Early Detection Research (U01 Clinical Trial Not Allowed)

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

Notice seeking applications that propose to advance research in cancer etiology and early detection biomarkers, utilizing the advantages of the unique biorepository resources of the NCI-sponsored Prostate, Lung, Colorectal, and Ovarian Cancer (PLCO) Screening Trial. The PLCO Biorepository offers high-quality, prospectively collected, serial pre-diagnostic blood samples from the PLCO screened arm participants, and a onetime collection of buccal cells from both the screened and the control arm participants.

The next deadline date for applications is February 11, 2022. Program expires October 12, 2024. Optional letters of intent are due 30 days prior to the application due date.

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

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AIDS-Science Track Award for Research Transition (R03 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 facilitate the entry of both newly independent and early career investigators to the area of drug use and use disorder research and HIV/AIDS.

Applications are due annually on January 7, May 7, and September 7. Program expires September 8, 2024. Approximately \$1 million is available to support 12 awards.

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

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Career Transition Award for NINDS Intramural Clinician-Scientists (K22 Clinical Trial Required and 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 applications to facilitate the transition of NINDS intramural neurologist- and neurosurgeon-scientists to independent, academic faculty positions that support clinician-scientists to engage in independently funded scientific research as well as clinical activities.

Applications are due annually on October 12, February 12, and June 12. Program expires July 13, 2024.

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

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Making Health Care Safer in Ambulatory Care Settings and Long-term Care Facilities (R18)  
Agency for Healthcare Research and Quality (AHRQ), Department of Health and Human Services (HHS)

Notice seeking proposals for large research demonstration and implementation projects that pertain to ambulatory care settings and long-term care facilities with a focus on implementing evidence-based processes to improve patient safety, especially those involving transitions in care.

The next due date for applications is January 25, 2022. Multiple awards of up to \$450,000 are anticipated.

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

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NCI Mentored Clinical Scientist Research Career Development Award to Promote Diversity (K08 Clinical Trial Required and Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications designed to enhance the diversity in the NCI-funded cancer research workforce by supporting eligible clinical scientists from diverse backgrounds, including groups that have been shown to be nationally underrepresented in health-related sciences and for those who are committed to a career in basic biomedical, behavioral or translational cancer research, including research on cancer health disparities.

Applications are due annually on October 12, February 12, and June 12. Program expires September 8, 2024.

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

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NCI Transition Career Development Award to Promote Diversity (K22 Independent Clinical Trial Not Allowed and Clinical Trial Required)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications to assist postdoctoral fellows or individuals in equivalent positions to transition to positions of assistant professor or equivalent and initiate a successful biomedical career as an independent research scientist.

Applications are due annually on October 12, February 12, and June 12. Program expires September 8, 2024.

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

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Primary Care Training and Enhancement - Physician Assistant Rural Training (PCTE-PAR) Program  
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking proposals to develop and implement longitudinal clinical rotations for physician assistant

students in primary care in rural areas. The program will also support the training and development of preceptors in rural areas.

Applications are due December 9, 2021. An estimated seven awards of up to \$300,000 are anticipated.

LINKS: [Grants.gov](#)

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Small Vessel VCID Biomarkers Validation Consortium Coordinating Center (U24 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 on Aging (NIA)

Notice seeking applications to have an open competition to support a Coordinating Center for the next phase of the NINDS small vessel vascular contributions to cognitive impairment and dementia (VCID) biomarkers consortium. The goal of the next phase, under this FOA (Coordinating Center) and RFA-NS-21-005 (sites), is to complete clinical validation of biomarkers initially developed during the first 5-year funding cycle of this program.

Applications are due November 12, 2021. Optional letters of intent are due October 12, 2021. Approximately \$2 million is available.

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

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The Human BioMolecular Atlas Program (HuBMAP) Demonstration Project (U01 Clinical Trial Not Allowed) National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Human Genome Institute (NHGRI)

Notice seeking applications that will creatively use datasets and resources from the Human BioMolecular Atlas Program (HuBMAP: <https://commonfund.nih.gov/hubmap>) to demonstrate their use to address significant biomedical and biological questions.

Applications are due November 19, 2021. Optional letters of intent are due October 18, 2021. Approximately \$3 million is available to support five to nine awards.

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

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## SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

FY2022 Weather Program Office Research Programs  
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals for weather, atmospheric composition, and earth system modeling and observations research reflecting multiple science objectives spanning time scales from hours to seasons, and from weather and water observations and earth system modeling to fire weather and social, behavioral, and economic science.

Applications are due November 17, 2021. Multiple awards are anticipated. Number of awards and funding amounts vary by topic.

LINKS: [Grants.gov](#)

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Learning Introspective Control (LINC)  
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Information Innovation Office (I2O)

Notice seeking proposals to develop machine learning-based introspection technologies that enable

physical systems, with specific interest in ground vehicles, ships, drone swarms, and robotic systems, to respond to events not predicted at design time.

Abstracts are strongly encouraged and due September 13, 2021. Proposals are due October 26, 2021 for TA1 only. Questions are due September 7, 2021. Up to \$24 million is available. Multiple awards are anticipated.

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

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#### Reimagining Protein Manufacturing (RPM)

Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Biological Technologies Office (BTO)

Notice seeking proposals to ensure timely Department of Defense (DoD) access to critical medical countermeasures (MCMs) by establishing the foundational technologies needed for fully distributed, on-demand manufacturing of protein-based MCMs and associated raw materials. To achieve this goal, RPM will develop technologies to enable immediate synthesis (lead time approximately 24 hours) of bioactive protein MCMs and raw material production enzymes at a yield corresponding to  $\geq 500$  doses per week.

Abstracts are strongly encouraged and due September 23, 2021. Proposals are due November 16, 2021. Multiple awards are anticipated.

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

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#### Reproducible Cells and Organoids via Directed- Differentiation Encoding

Directorate for Biological Sciences (BIO), Directorate for Engineering (ENG), National Science Foundation (NSF)

Notice seeking proposals that elucidate mechanisms of, and develop strategies to, direct the differentiation of undifferentiated cells into mature, functional cells or organoids.

Required preliminary proposals are due November 22, 2021. An estimated four to seven awards are anticipated.

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

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#### Advisory Committee for Cyberinfrastructure

National Science Foundation (NSF)

Notice announcing a meeting of the Advisory Committee for Cyberinfrastructure. The purpose of the meeting is to advise NSF on the impact of its policies, programs and activities in the OAC community.

The meeting will be held September 23, 2021; 10:00 a.m.-5:00 p.m. September 24, 2021; 10:00 a.m.-5:00 p.m. at National Science Foundation, 2415 Eisenhower Avenue, Alexandria, VA | Virtual.

LINKS: [Federal Register](#)

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#### Aerospace Safety Advisory Panel

National Aeronautics and Space Administration (NASA)

Notice announcing a meeting of the Aerospace Safety Advisory Panel (ASAP). The purpose is to carrying out its statutory duties for which the Panel reviews, identifies, evaluates, and advises on those program activities, systems, procedures, and management activities that can contribute to program risk. Priority is given to those programs that involve the safety of human flight.

The meeting will be held Thursday, September 23, 2021, 2:00 p.m. to 3:30 p.m., ET via teleconference.

LINKS: [Federal Register](#)

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#### Ecology and Evolution of Infectious Diseases

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Science Foundation (NSF), United States Department of Agriculture (USDA)

Notice seeking proposals to support research on the ecological, evolutionary, organismal, and social drivers that influence the transmission dynamics of infectious diseases. The central theme of submitted projects must be the quantitative or computational understanding of pathogen transmission dynamics.

Proposals are due November 24, 2021, November 16, 2022, and Third Wednesday in November, annually thereafter. Approximately \$27.6 million is available to support 12 awards.

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

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#### FY22 Neotropical Migratory Bird Conservation Act Grants

Fish and Wildlife Service (FWS), Department of the Interior (Interior)

Notice seeking proposals that promote the conservation of neotropical migratory birds and their habitats in the United States, Canada, Latin America and the Caribbean. Proposals should contribute to efforts to support climate resilience, leverage partnerships, and support land conservation and biodiversity efforts.

Applications are due November 4, 2021. Multiple awards of up to \$200,000 are anticipated.

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

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#### Integrated Research on Coastal and Ocean Acidification and Harmful Algal Blooms

National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals for research that must address the interaction between coastal and ocean acidification and harmful algal blooms.

Required letters of intent are due October 14, 2021. Proposals are due January 19, 2022. Approximately \$1.5 million is available to support three to five awards.

LINKS: [Grants.gov](#)

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#### Advisory Committee for Polar Programs

National Science Foundation (NSF)

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

The meeting will be held September 23, 2021; 10:30 a.m.-4:30 p.m. and September 24, 2021; 10:30 a.m.-4:30 p.m. at the National Science Foundation, 2415 Eisenhower Avenue, Alexandria, Virginia 22314 | Virtual.

LINKS: [Federal Register](#)

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Fiscal Year 2022 Consolidated Innovative Nuclear Research  
Department of Energy (Energy), Office of Nuclear Energy (NE)

Notice seeking applications that addresses the competitive portion of DOE-NE's R&D portfolio, as executed through the Nuclear Energy University Program (NEUP) and the Nuclear Science User Facilities (NSUF). NEUP utilizes up to 20% of funds appropriated to DOE-NE's R&D program for university-based infrastructure support and R&D in key DOE-NE program-related areas: Fuel Cycle Research and Development (FC R&D), Reactor Concepts Research Development and Demonstration (RC RD&D), Nuclear Energy Advanced Modeling and Simulation (NEAMS), and Nuclear Energy Enabling Technologies Crosscutting Technology Development (NEET CTD).

Mandatory letters of intent are due September 9, 2021 for NSUF applications. Mandatory pre-applications are due September 22, 2021. Applications are due February 9, 2022.

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

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Fiscal Year 2022 Scientific Infrastructure Support for Consolidated Innovative Nuclear Research  
Department of Energy (Energy), Office of Nuclear Energy (NE)

Notice seeking applications to support crosscutting nuclear energy research and development (R&D) and associated infrastructure support activities to develop innovative technologies that offer the promise of dramatically improved performance for advanced reactors and fuel cycle concepts, while maximizing the use of DOE resources.

Applications are due November 11, 2021. Approximately \$2.5 million is available.

Limited Submission: One application per reactor is allowed.

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

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FY22 Young Investigator Program  
Department of Defense (Defense), Office of Naval Research (ONR)

Notice seeking proposals to identify and support academic scientists and engineers who are in their first or second full-time tenure-track or tenure-track-equivalent academic appointment, who have received their PhD or equivalent degree on or after 01 January 2014, and who show exceptional promise for doing creative research.

Proposals are due October 29, 2021. Questions are due October 15, 2021. Up to \$18 million is available to support 15 to 35 awards.

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

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MUREP Aerospace High-Volume Manufacturing and Supply Chain Management Cooperative Agreement  
(MUREP High Volume)  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to develop a significant scientific, engineering, and/or technology manufacturing and supply chain network led by MSIs that aligns with aerospace NASA and/or industry (public or private) high-volume manufacturing and supply chain ecosystem needs for national competitiveness.

Proposals are due October 25, 2021. Optional pre-proposal teleconference will be held on Thursday, September 16, 2021, approximately \$1.5 to \$2 million is available to support up to eight awards for three years. Partnerships are encouraged. MSIs are eligible to apply as the lead institution.

Limited Submission: If an eligible organization submits more than two lead proposals, then none of the proposals will be considered.

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

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Partnerships for Research and Education in Physics  
Directorate for Mathematical & Physical Sciences (MPS), National Science Foundation (NSF)

Notice seeking proposals from minority-serving institutions to enter into a partnership with NSF Division-supported Physics Frontiers Centers to increase the participation of members of underrepresented groups in physics through excellent research and education endeavors that advance physics research goals.

Applications are due January 22, 2022. Approximately three to six awards of up to \$300,000 per year are anticipated.

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

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Facility and Instrumentation Request Process  
National Science Foundation (NSF)

Notice seeking proposals for projects that require access to instrumentation and facilities sponsored by the Facilities for Atmospheric Research and Education Program in the Division of Atmospheric and Geospace Sciences to make specialized instrumentation and facilities available to the atmospheric science research community through the Lower Atmosphere Observing Facilities and the Community Instruments and Facilities programs.

Applications are due January 17, 2022. Approximately \$20 million is available to fund up to 15 awards.

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

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NASA Space Technology Graduate Research Opportunities - FALL 2022  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals focused on graduate student research and development of advanced and innovative space technologies critical for our Nation to meet its goals to explore and understand the Earth, our solar system, and the universe.

Proposals are due November 2, 2021. The maximum amount will be \$80,000 per year.

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

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Coastlines and People Hubs for Research and Broadening Participation  
National Science Foundation (NSF)

Notice seeking proposals to support diverse, innovative, multi-institution awards that are focused on critically important coastlines and people research that is integrated with broadening participation goals. The objective of this solicitation is to support Coastal Research Hubs, structured using a convergent science approach, at the nexus between coastal sustainability, human dimensions, and coastal processes to transform understanding of interactions among natural, human-built, and social systems in coastal, populated environments.

Proposals are due December 6, 2021. Approximately \$28 million is available to support five to eight awards.

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

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Collaborative Science, Technology, and Applied Research (CSTAR) Program  
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals to conduct research and development activities transitioning from basic to applied research of interest to the operational meteorological community.

Applications are due November 19, 2021. An estimated five to seven awards of up to \$150,000 are anticipated.

LINKS: [Grants.gov](#)

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Arcadia  
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Biological Technologies Office (BTO)

Notice seeking proposals to develop beneficial, functional biofilms capable of reducing drag, decreasing corrosion, or inhibiting black mold growth on military material. Proposed research should investigate innovative approaches that enable revolutionary advances in microbial ecology, systems modeling, or community building.

Abstracts are encouraged and due October 25, 2021. Proposals are due December 15, 2021. Multiple awards are anticipated.

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

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Capabilities for Cyber Advancement  
Department of Defense (Defense), Air Force Research Lab (AFRL)

Notice seeking white papers for innovative, next-generation technologies to achieve cyber superiority to integrate and transition into warfighting capabilities.

White papers are due annually on September 30. Programs expires December 1, 2025. Approximately \$975 million is available. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

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Computer and Information Science and Engineering (CISE): Core Programs  
National Science Foundation (NSF)

Notice seeking proposals supports research and education projects that develop new knowledge in all aspects of computing, communications, and information science and engineering, as well as advanced cyberinfrastructure, through the following core programs.

Proposals are accepted anytime for SMALL projects. Proposals are due December 22, 2021 for MEDIUM and OAC Core projects. Approximately \$280 million is available to support 400 to 600 awards.

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

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Cyberinfrastructure for Sustained Scientific Innovation  
National Science Foundation (NSF)

Notice seeking proposals to enable funding opportunities that are flexible and responsive to the evolving and emerging needs in cyberinfrastructure (CI). This solicitation expands the CSSI program by adding a

new project class: Transition to Sustainability. The program continues to emphasize integrated CI services, quantitative metrics with targets for delivery and usage of these services, and community creation.

Proposals are due December 8, 2021. Approximately \$34 million is available to support 35 awards.

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

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Early Career Research Program  
Department of Energy (Energy)

Notice seeking proposals for early career research in the following areas: Advanced Scientific Computing Research; Basic Energy Sciences; Biological and Environmental Research; Fusion Energy Sciences; High Energy Physics; Nuclear Physics; Isotope R&D and Production; or Accelerator R&D and Production.

Required pre-applications are due October 21, 2021. An estimated 45 awards of up to \$750,000 for five years are anticipated for institutions of higher education.

LINKS: [Grants.gov](#)

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EMERGING FRONTIERS IN RESEARCH AND INNOVATION (EFRI): Engineered Living Systems (ELiS) and Brain-Inspired Dynamics for Engineering Energy-Efficient Circuits and Artificial Intelligence (BRAID) National Science Foundation (NSF)

Notice seeking proposals from interdisciplinary teams of researchers to embark on rapidly advancing frontiers of fundamental engineering research in the following two topics: Engineered Living Systems, or Brain-Inspired Dynamics for Engineering Energy-Efficient Circuits and Artificial Intelligence.

Required letters of intent are due November 10, 2021. Required Preliminary applications are due December 16, 2021. Applications are due March 10, 2022. Approximately \$30 million is available to fund an anticipated 30 awards.

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