

UNO FOCUS:

EPSCoR Research Infrastructure Improvement Program: Track-2 Focused EPSCoR Collaborations (RII Track-2 FEC)
National Science Foundation

RII Track-2 FEC builds interjurisdictional collaborative teams of EPSCoR investigators in scientific focus areas consistent with NSF priorities. Projects are investigator-driven and must include researchers from at least two EPSCoR eligible jurisdictions with complementary expertise and resources necessary to address challenges, which neither party could address as well or rapidly independently. The Science, Technology, Engineering, and Mathematics (STEM) research and education activities should seek to broaden participation through the strategic inclusion and integration of diverse individuals, institutions, and sectors throughout the project. Proposals must describe a comprehensive and integrated vision to drive discovery and build sustainable STEM capacity that exemplifies diversity of all types (individual, institutional, geographic, and disciplinary). The development of diverse early-career faculty is a critical component of this sustainable STEM capacity. For FY 2021, RII Track-2 FEC proposals are invited on a single topic: “Advancing research towards Industries of the Future to ensure economic growth for EPSCoR jurisdictions.”

A single proposal is submitted for a project. Support for non-lead collaborating organizations should be requested as subawards. Separately submitted collaborative proposals are not allowed. Each participating EPSCoR jurisdiction must have at least one co-PI on the project. Proposals that do not comply with these requirements will be considered not responsive, and will be returned without review.

LINKS: [NSF.gov](https://www.nsf.gov)

FY2021 NASA EPSCoR Rapid Response Research (R3) Cooperative Agreement Notice (CAN)
Louisiana NASA EPSCoR

The larger NASA EPSCoR program is intended to foster collaborative relationships between researchers at jurisdiction institutions and NASA centers to address research topics of interest to NASA and to develop the aerospace research infrastructure in the jurisdiction. The NASA EPSCoR R3 component is intended to support EPSCoR researchers to work alongside of NASA and commercial partners for up to one year on specific technical issues listed in the CAN, and to strengthen the bonds among EPSCoR jurisdictions, NASA, the commercial partners, and other entities.

A required Notice of Intent (NOI) is due by 11:59 pm on Friday, November 20, 2020. The NOI must include the name and contact information for the Science-Investigator (Sci-I), the project title, a short abstract (~250 words), the specific R3 office (i.e. Appendix A through I) and task (listed in the Appendix details) the research is focused on, and whether the research concept has been discussed with the NASA contact (as identified in the Appendix details). Each NOI must be for one and only one R3 office and task. Only one NOI will be allowed per Sci-I.

LINKS: [LA NASA EPSCoR](https://www.nasa.gov/epscor)

ARTS, HUMANITIES, and INTERNATIONAL

FY 21 Partnership for Nuclear Threat Reduction
Department of State (State), Bureau of International Security and Nonproliferation (ISN)

Notice seeking proposals to counter security and proliferation vulnerabilities posed by Chinese and Russian exports of civilian nuclear reactors and strengthen nuclear security practices and mitigate threats from radicalized or coerced personnel at sensitive nuclear facilities.

Proposals are due January 29, 2021. Approximately \$2 million is available.

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

FY 21 Reducing Revisionist State Biological and Chemical Weapons Threats
Department of State (State), Bureau of International Security and Nonproliferation (ISN)

Notice seeking proposals for mitigating weapons of mass destruction, related delivery systems, and advanced conventional weapons proliferation and security threats from proliferator states and non-state actors.

Proposals are due January 29, 2021. Approximately \$2 million is available for awards ranging from \$50,000 to \$500,000 each to support projects lasting up to 12 months.

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

FY21 Chemical Security Program
Department of State (State), Bureau of International Security and Nonproliferation (ISN)

Notice seeking proposals to enable and mobilize international capabilities to prevent, disrupt, and counter great power competitors, rogue proliferator states, and terrorists' ability to conduct chemical attacks.

Proposals are due January 29, 2021. Approximately \$8 million is available for awards ranging from \$25,000 to \$250,000 each to support projects lasting up to 12 months.

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

FY21 Countering North Korean WMD Proliferation
Department of State (State), Bureau of International Security and Nonproliferation (ISN)

Notice seeking proposals for projects that will advance the mission of the Department's Counter-Proliferation Program by developing means to monitor North Korean government efforts to evade sanctions in the areas of maritime commerce, money laundering, importing and exporting goods, disallowed labor, and disallowed travel and commerce.

Proposals are due January 29, 2021. Approximately \$10 million is available to support projects ranging from \$25,000 to \$250,000 each.

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

FY21 Countering the People's Republic of China Military Civil Fusion (MCF) Strategy and Balancing Risks and Rewards of Emerging Technologies with WMD
Department of State (State), Bureau of International Security-Nonproliferation (ISN)

Notice seeking proposals that focuses on mitigating weapons of mass destruction (WMD), related delivery systems, and advanced conventional weapons proliferation and security threats from proliferator states and non-state actors.

Proposals are due January 29, 2021. Approximately \$11 million is available.

LINKS: [Grants.gov](#)

FY21 Countering WMD Threats in Iraq
Department of State (State), Bureau of International Security-Nonproliferation (ISN)

Notice seeking proposals to secure chemical, biological (CB), and explosive materials, dual-use equipment, technologies, expertise, and infrastructure to prevent their misuse by terrorists and other nefarious actors in Iraq in WMD attacks against the United States, U.S. and coalition personnel in Iraq, U.S. allies, and U.S. interests abroad.

Proposals are due January 29, 2021. Approximately \$3 million is available.

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

FY21 Global Biosecurity Engagement Activities
Department of State (State), Bureau of International Security and Nonproliferation (ISN)

Notice seeking proposals to mitigate and prevent biological attacks by safeguarding bioscience facilities and denying non-state actors the expertise, materials and equipment necessary to conduct biological attacks (and also preventing and mitigating accidental natural outbreaks of high consequence pathogens).

Proposals are due January 29, 2021. Approximately \$14 million is available for awards up to \$300,000 to support projects lasting up to 12 months.

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

Community-Led Monitoring (CLM)
Department of State (State), U.S. Mission to Zimbabwe

Notice seeking proposals to improve the quality of HIV treatment services in Zimbabwe through client feedback collected by trained community members.

Proposals are due November 20, 2020. Approximately \$425,000 is available.

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

National Digital Newspaper Program
National Endowment for the Humanities (NEH), Division of Preservation and Access

Notice seeking applications to create a national digital resource of historically significant newspapers published between 1690 and 1963, from all the states and U.S. territories. This searchable database will be permanently maintained at the Library of Congress (LC) and will be freely accessible online (see the [Chronicling America: Historic American Newspapers website](#)).

Optional Draft applications are due December 1, 2020. Applications are due January 14, 2021. The maximum award amount is \$325,000.

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

Improving Health Status and Human Capital in Senegal
United States Agency for International Development (USAID), Senegal USAID-Dakar

Notice seeking applications for Senegal to be better able to plan and finance inclusive development by: implementing key reforms; actively engaging with a strengthened private sector and a vibrant civil society; and harnessing the potential of women and youth.

Concept papers are due November 23, 2020. Questions are due November 5, 2020. Approximately \$88 million is available to support three awards over five years.

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

U.S. Embassy Bratislava PAS Annual Program Statement
United States Agency for International Development (USAID), U.S. Mission to Slovakia

Notice seeking applications for programs that strengthen societal and cultural ties between the U.S. and Slovakia through programming that highlights shared values and promotes bilateral cooperation.

Applications are due January 31, 2021, April 30, 2021, and July 31, 2021. The maximum award amount is \$24,999. 30 awards are anticipated.

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

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Advanced Rehabilitation Research Training (ARRT) Program - Community Living and Participation
Administration for Community Living (ACL), Department of Health and Human Services (HHS), National Institute on Disability, Independent Living and Rehabilitation Research (NIDILRR)

Notice seeking applications to increase the capacity for high-quality rehabilitation research by supporting grants to institutions to provide advanced research training to individuals with doctorates or similar advanced degrees who have clinical or other relevant experience in community living and participation domain.

Requested letters of intent are due November 23, 2020. Applications are due December 18, 2020. Approximately \$200,000 is available.

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

Advanced Rehabilitation Research Training (ARRT) Program - Employment
Administration for Community Living (ACL), Department of Health and Human Services (HHS), National Institute on Disability, Independent Living and Rehabilitation Research (NIDILRR)

Notice seeking applications to increase the capacity for high-quality rehabilitation research by supporting grants to institutions to provide advanced research training to individuals with doctorates or similar advanced degrees who have clinical or other relevant experience.

Optional letters of intent are due November 23, 2020. Applications are due December 18, 2020. Approximately \$200,000 is available.

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

Advanced Rehabilitation Research Training (ARRT) Program - Health and Function
Administration for Community Living (ACL), Department of Health and Human Services (HHS), National Institute on Disability, Independent Living and Rehabilitation Research (NIDILRR)

Notice seeking applications to increase the capacity for high-quality rehabilitation research by supporting grants to institutions to provide advanced research training to individuals with doctorates or similar advanced degrees who have clinical or other relevant experience in the domain of health and function.

Optional letters of intent are due November 23, 2020. Applications are due December 18, 2020. Approximately \$200,000 is available.

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

Hispanic-Serving Institutions Education Grants Program
National Institute of Food and Agriculture (NIFA), United States Department of Agriculture (USDA)

Notice seeking applications to promote and strengthen the ability of HSIs to carry out higher education programs that attract, retain, and graduate outstanding students capable of enhancing the nation's food, agriculture, natural resources, and human sciences professional and scientific work force.

Applications are due January 26, 2021 for Regular; January 27, 2021 for Collaboration; and January 28, 2021 for Conference. Approximately \$10 million is available to support up to 16 awards.

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

STATEMAP - The State Component of the National Cooperative Geologic Mapping Program
Department of the Interior (Interior)

Notice seeking applications to create an integrated, three-dimensional, digital geologic map of the United States and its territories to address the changing needs of the Nation by the year 2030.

Applications are due December 18, 2020. Approximately \$800,000 is available.

Limited Submission: Only one proposal will be accepted from each State each fiscal year.

LINKS: [Grants.gov](#)

The Educational Component of the National Cooperative Geologic Mapping Program
Department of the Interior (Interior)

Notice seeking applications developing a national geologic framework through student geologic mapping. Geologic mapping supported by EDMAP provides the foundational information necessary to manage the Nation's land and water resources, adapt to changes in the environment, and secure the Nation.

Proposals are due December 15, 2020. Approximately \$800,000 is available.

LINKS: [Grants.gov](#)

Census Scientific Advisory Committee; Virtual Public Meeting
Census Bureau (CB)

Notice announcing a meeting scheduled to discuss Census program needs and activities.

The meeting will be held November 12, 2020 from 1:00 p.m. to 3:00 p.m., ET, online. Participate via WebEx at <https://uscensus.webex.com/uscensus/onstage/g.php?MTID=ed28cd37e0e3598bd4aa098586b29cb95>. Call 800-857-5051 and enter participant code 8808521 for audio.

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

Homeland Security Advisory Council; Meeting
Department of Homeland Security (Homeland Security)

Notice announcing a meeting scheduled to discuss final draft reports of the Economic Security, Biometrics, Information and Communication Technology Risk Reduction subcommittees and progress reports from the Youth Engagement and Academic Institutions subcommittees.

The meeting will be held November 12, 2020, from 1:00 p.m. to 4:00 p.m., ET, online. Register with the contact by November 9, 2020 to attend.

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

Candidate Species Conservation Fund
Fish and Wildlife Service (FWS), Department of the Interior (Interior)

Notice seeking applications to accomplish conservation tasks for high priority candidate species (based on our annual Candidate Species Assessments) or other at-risk species in the United States, such that identified threats to the species may be reduced or eliminated.

Applications are due September 30, 2021. Approximately \$500,000 is available.

LINKS: [Grants.gov](#)

Operation and Maintenance of the Ocean Energy Safety Institute (OESI 2.0)
Department of the Interior (Interior), Bureau of Safety and Environmental Enforcement (BSEE)

Notice seeking applications of conduct cooperative research while building a collaborative model grounded upon principals of shared learning and promotion of dialogue and complementary research. OESI 2.0's goal is to collaborate with academia, industry, and other non-governmental organizations to drive safety performance, energy production on the Outer Continental Shelf (OCS), and innovative inspection, detection, and environmental monitoring technologies, resulting in a safer workplace, improved environmental stewardship performance, and greater energy security.

Applications are due December 28, 2020. Up to \$40 million is available for five years.

LINKS: [Grants.gov](#)

HEALTH and MENTAL HEALTH

BRAIN Initiative Cell Census Network (BICCN) Scalable Technologies and Tools for Brain Cell Census
(R01 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to accelerate the use of scalable technologies and tools to enhance brain cell census research, including the development of technology platforms and/or resources and the generation of spatiotemporal cell census data and/or resources. Applications are expected to address limitations and gaps of existing technologies/tools as a benchmark against which the improvements or competitive advantages of the proposed ones will be measured.

Optional letters of intent are due February 10, 2021. Applications are due March 10, 2021. Approximately \$6 million is available to support four to eight awards.

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

DoD Prostate Cancer, Physician Research Award
Army (Army), Department of Defense (Defense), U.S. Army Medical Research Acquisition Activity (USAMRAA)

Notice seeking applications to support a mentored research experience to prepare physicians with clinical duties and/or responsibilities for productive careers in prostate cancer research. The mentored physician is considered the Principal Investigator (PI) of the application.

Required pre-applications are due December 15, 2020. Approximately \$3.6 million is available to support three awards.

LINKS: [Grants.gov](#)

Field Initiated Projects Program (Research) (Development)
Administration for Community Living (ACL), Department of Health and Human Services (HHS)

Notice seeking applications to fund research or development projects to advance 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 December 21, 2020. Approximately 15 Research awards and 8 Development Awards of up to \$200,000 each are available.

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

Global Infectious Disease Research Administration Development Award for Low-and Middle-Income Country Institutions (G11 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Allergy and Infectious Diseases (NIAID)

Notice seeking applications from research institutions in low- to middle-income countries (LMIC) to provide senior administrators from these institutions with advanced training in the management of NIH grants at U.S. host institutions.

Applications are due July 28, 2021; July 28, 2022; and July 28, 2023. Optional letters of intent are due 30 days before the application. Multiple awards of up to \$100,000 are available to support projects lasting up to 18 months. Eligibility is limited to non-U.S. organizations from LMICs as defined by the World Bank but U.S. colleges and universities may collaborate as hosts if they have received at least \$5 million per year in total NIH research grant and/or cooperative agreement support over the last 10 years.

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

New Technologies for the In vivo Delivery of Gene Therapeutics for an HIV Cure (R01 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Allergy and Infectious Diseases (NIAID); National Institute of Mental Health (NIMH)

Notice seeking applications to fund research on the development and validation of innovative strategies to deliver anti-HIV gene therapies efficiently to specific target cells in vivo.

Applications are due March 17, 2021; March 17, 2022; and March 17, 2023. Optional letters of intent are due 30 days before the application. Approximately \$3.25 million is available in FY 22, 23, and 24 to fund four to six awards to support projects lasting up to five years.

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

NIDDK Education Program Grants (R25 Clinical Trial Not Allowed)
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 support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs.

Applications are due January 28, 2021; January 28, 2022; and January 31, 2023.

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

NIDDK Research Education Program Utilizing Stimulating Peripheral Activity to Relieve Conditions (SPARC) - Generated Resources (R25 Clinical Trial Not Allowed)

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 establish research programs for qualified graduate students, post-doctoral fellows, medical residents, biomedical engineers, and clinical fellows to engage in neuroscience research experiences relevant to the mission of NIDDK and its partnership with the Common Fund program, Stimulating Peripheral Activity to Relieve Conditions (SPARC).

Optional letters of intent are due November 22, 2020, October 9, 2021, and October 9, 2022. Applications are due December 22, 2020, November 9, 2021, and November 9, 2022. Approximately \$260,000 is available to support up to two awards.

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

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31)

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

Notice seeking applications to enable promising predoctoral students to obtain individualized, mentored research training from outstanding faculty sponsors while conducting dissertation research in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers.

Applications are due annually on December 8, April 8, and August 8.

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

Switzer Research Fellowships Program

Administration for Community Living (ACL), Department of Health and Human Services (HHS), National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR)

Notice seeking applications for funding to perform research on rehabilitation, independent living, and other experiences of people with disabilities.

Applications are due December 19, 2020. Optional letters of intent are due November 24, 2020. Approximately six awards of up to \$80,000 each are available to support fellowships lasting 12 months. Awards go to individuals.

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

Request for Information and Comments on Fostering Research Integrity and the Responsible Conduct of Research

Department of Health and Human Services (HHS), Office of Research Integrity (ORI)

Notice seeking information in learning about best practices, challenges, and needs related to teaching the responsible conduct of research, promoting research integrity, and preventing research misconduct. ORI will use this information to support the goal of conducting outreach and developing educational resources that best support the Public Health Service (PHS) funded research community.

Responses are the 60th day following the date of publication.

LINKS: [Federal Register](#)

National Telehealth Resource Center Program
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS),
Federal Office of Rural Health Policy (ORHP)

Notice seeking applications to support the delivery of telehealth technical assistance through Regional Telehealth Resource Centers (RTRCs).

Applications are due January 21, 2021. Approximately \$650,000 is available to support two awards.

LINKS: [Grants.gov](#)

PrEP Choice: Increasing the Use of HIV Pre-exposure Prophylaxis in an Era of Choices
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking applications to: a) implement evidence-based provider and patient education and support tools in clinical settings to increase PrEP screening, counseling, initiation, adherence, and persistence by MSM and b) to understand reasons for selection of a PrEP formulation and switching patterns associated with the use of daily, 2-1-1, and injectable PrEP.

Optional letters of intent are due November 30, 2020. Applications are due January 5, 2021. Approximately \$31.2 million is available to support up to six awards.

LINKS: [Grants.gov](#)

Regional Telehealth Resource Center Program
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS),
Federal Office of Rural Health Policy (ORHP)

Notice seeking applications to provide expert and customized telehealth technical assistance across the country. RTRCs are located regionally to facilitate award activities at the local level and to ensure that resources are geographically distributed.

Applications are due January 21, 2021. Approximately \$3.9 million is available to support up to 12 awards.

LINKS: [Grants.gov](#)

AFPMB Broad Agency Announcement
Department of Defense (Defense), Armed Forces Pest Management Board (AFPMB)

Notice seeking pre-proposals for original, innovative research designed to develop new interventions for protection of deployed military personnel from diseases caused by arthropod-borne pathogens. Diseases of significant concern include Lyme disease, malaria, dengue virus and other arboviruses.

Required pre-proposals are due November 27, 2020. Invited proposals are due February 24, 2021. Approximately \$4.5 million is available to support up to 10 awards.

LINKS: [Contract Opportunities](#)

Discovery of the Genetic Basis of Childhood Cancers and of Structural Birth Defects: Gabriella Miller Kids First Pediatric Research Program (X01 Clinical Trial Not Allowed)

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

Notice seeking applications to submit samples from pediatric cohorts for whole genome sequencing at a Kids First-supported sequencing center. Applicants are encouraged to propose sequencing of existing pediatric cancer cohorts to elucidate the genetic contribution to childhood cancers, or to expand the range of disorders included within the Kids First Data Resource to investigate the genetic etiology of structural birth defects.

Optional letters of intent are due January 19, 2021. Applications are due February 19, 2021.

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

Mechanistic Ancillary Studies to Ongoing Clinical Projects (R01, R21 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

Notice soliciting applications that propose to conduct time-sensitive mechanistic ancillary studies related to the NIAMS mission in conjunction with privately or publicly funded, ongoing clinical projects (parent projects). The parent projects can be an interventional clinical trial, or a clinical study such as an observational study that will be actively collecting patient samples or clinical data. The parent project(s) should provide a cohort of well-characterized patients, infrastructure, data, and biological samples for the ancillary study.

Optional letters of intent are due 30 days prior to the application due dates. Applications are due March 18, July 20, and November 18 through December 3, 2022.

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

NCI Pathway to Independence Award for Outstanding Early Stage Postdoctoral Researchers (K99-R00 - Independent Basic Experimental Studies with Humans Required)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications for basic science experimental studies involving humans, referred to in NOT-OD-18-212 as “prospective basic science studies involving human participants.” These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research.

Applications are due February 26, 2021. Approximately \$2.7 million is available to support up to 16 awards in FY 2022.

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

NCI Pathway to Independence Award for Outstanding Early Stage Postdoctoral Researchers (K99-R00)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications to increase and maintain a strong cohort of new and talented, NCI-supported, independent investigators. This program is designed for postdoctoral fellows with research and/or clinical doctoral degrees who do not require an extended period of mentored research beyond their doctoral degrees.

Applications are due February 26, 2021. Approximately \$2.7 million is available to support up to 16 awards in FY 2022.

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

NINDS Research Education Programs for Residents and Fellows in Neurological Disorders and Stroke (R25 - 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 support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs, with a primary focus on research experiences and courses for skills development.

Applications are due January 25, 2021 and January 25, 2023. Optional letters of intent are due 30 days before the application deadline.

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

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Fellowship for Students at Institutions with NIH-Funded Institutional Predoctoral Dual-Degree Training Programs (Parent F30)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to enhance the integrated research and clinical training of promising predoctoral students, who are matriculated in a combined MD/PhD or other dual-doctoral degree training program (e.g. DO/PhD, DDS/PhD, AuD/PhD, DVM/PhD), and who intend careers as physician/clinician-scientists. Candidates must propose an integrated research and clinical training plan and a dissertation research project in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers.

Applications are due annually on April 8, August 8, and December 8. Program expires September 23, 2023.

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

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Fellowship for Students at Institutions Without NIH-Funded Institutional Predoctoral Dual-Degree Training Programs (Parent F30)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to enhance the integrated research and clinical training of promising predoctoral students, who are matriculated in a combined MD/PhD or other dual-doctoral degree training program (e.g. DO/PhD, DDS/PhD, AuD/PhD, DVM/PhD), and who intend careers as physician/clinician-scientists. Candidates must propose an integrated research and clinical training plan and a dissertation research project in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers.

Applications are due annually on April 8, August 8, and December 8. Program expires September 8, 2023.

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

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to support research training of highly promising postdoctoral candidates who have the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of the participating NIH Institutes and Centers. Applications are expected to incorporate exceptional mentorship.

Applications are due annually on April 8, August 8, and December 8. Program expires September 8, 2023.

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

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (Parent F31-Diversity)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to enhance the diversity of the health-related research workforce by supporting the research training of predoctoral students from diverse backgrounds including those from groups that are underrepresented in the biomedical, behavioral, or clinical research workforce.

Applications are due annually on April 8, August 8, and December 8. Program expires September 8, 2023.

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

Treatments for Lewy Body Dementias--Exploratory Clinical Trial (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 conduct exploratory clinical trials designed to test new treatments for patients with Lewy Body Dementia (LBD). Applicants may propose to conduct either Phase I or Phase II clinical trials depending on the developmental stage of the potential therapeutic, but all trials must include patients with LBD.

Optional letters of intent are due February 2, 2021. Applications are due March 2, 2021. Approximately \$2 million is available to support one to two awards.

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

Meeting of the National Advisory Council for Healthcare Research and Quality
Agency for Healthcare Research and Quality (AHRQ), Department of Health and Human Services (HHS)

Notice announcing a meeting of the National Advisory Council for Healthcare Research and Quality. The agenda is to receive update on AHRQ's recent accomplishments in Research, Practice Improvements and Data and Analytics. The agenda will also include an AHRQ COVID-19 Update, a discussion on Quality Measurement Enterprise and feedback on the Strategic Plan for the PCOR Trust Fund.

The meeting will be held on Tuesday, November 10, 2020, from 10:00 a.m. to 2:00 p.m. via virtually.

LINKS: [Federal Register](#)

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

2021 Wood Innovations Funding Opportunity
United States Department of Agriculture (USDA), U.S. Forest Service (FS)

Notice seeking applications for projects to substantially expand and accelerate wood products and wood energy markets throughout the United States to support forest management needs on National Forest System and other forest lands.

Applications are due January 21, 2021. Approximately \$8 million is available for awards up to \$250,000. A 1:1 non-federal match is required. A pre-application webinar will be held November 10, 2020 at 2:00 pm, ET at <https://usfs.adobeconnect.com/wood-innovations/>. To participate by phone call 888-844-9904 and enter access code 9780832.

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

Addressing the Impacts of Multiple Stressors on Shellfish Aquaculture through Research and Industry Partnerships

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

Notice seeking proposals that establish, continue, and/or expand collaborations between researchers and the shellfish aquaculture industry. Specifically, applications to this competition should utilize new or existing research/industry partnerships to study how ocean and coastal acidification in combination with other stressors impacts shellfish aquaculture.

Required letters of intent are due December 15, 2020. Proposals are due March 16, 2021. Approximately \$2 million is available to support two to six awards. Cost share of at least 25 percent is required.

LINKS: [Grants.gov](#)

Atmospheric System Research (ASR)
Department of Energy (Energy), Office of Science

Notice seeking applications to quantify the interactions among aerosols, clouds, precipitation, and radiation to improve understanding of key cloud, aerosol, precipitation, and radiation processes that affect the Earth's radiative balance and hydrological cycle, especially processes that limit the predictive ability of regional and global models.

Pre-applications are due December 2, 2020. Invited applications are due January 27, 2021. Approximately \$14.6 million is available to support 18 to 24 awards.

LINKS: [Grants.gov](#)

Community Wood Energy and Wood Innovation Program
United States Department of Agriculture (USDA), U.S. Forest Service (FS)

Notice seeking proposals for projects to install a thermally led community wood energy system or build an innovative wood product facility.

Applications are due February 3, 2021. Approximately \$5 million is available for awards of up to \$1 million each.

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

Early Career Research Program
Department of Energy (Energy), Office of Science

Notice seeking applications to support the development of individual research programs of outstanding scientists early in their careers and to stimulate research careers in the areas supported by the DOE Office of Science in the following program 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 November 20, 2020. Full applications are due February 16, 2021. Approximately 45 university awards of up to \$750,000 each and approximately 20 DOE National Laboratories awards of up to \$2.5 million are available.

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

Fiscal Year 2022 National Sea Grant College Program Dean John A. Knauss Marine Policy Fellowship
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking applications to provide an educational and employment opportunity for current and recent graduate students interested in ocean, coastal and Great Lakes resources and thenational policy decisions affecting those resources, regardless of race, color, religion, place of origin, gender, sexual orientation, age, socio-economic status, disability or veteran status.

Applications are due February 19, 2021. The maximum award amount is \$84,000 for each applicant.

LINKS: [Grants.gov](#)

Mid-Career Advancement
National Science Foundation (NSF)

Notice seeking proposals to provide protected time and resources to established scientists and engineers targeted at the mid-career (Associate Professor rank or equivalent) stage, with awards offered by multiple NSF Directorates.

Proposals are due February 1, 2021, and the first Monday in February, annually, thereafter.

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

RACER
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Tactical
Technology Office (TTO)

Notice seeking proposals for the Robotic Autonomy in Complex Environments with Resiliency (RACER) program to develop and demonstrate new autonomy technologies that enable ground combat vehicles to maneuver in unstructured off-road terrain at speeds that are no longer limited by the autonomy software or processing time, but only by considerations of sensor limitations, vehicle mechanical limits, and safety.

Abstracts are due November 4, 2020. Proposals are due December 18, 2020. Questions ae due November 20, 2020. Approximately \$19.5 million is available to support up to three awards.

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

ROSES 2020: Support for Open Source Tools, Frameworks, and Libraries
National Aeronautics and Space Administration (NASA)

Notice seeking proposals for the improvement and sustainment of high-value, open source tools, frameworks, and libraries that have made significant impacts to the Science Mission Directorate (SMD) science community.

Optional notices of intent are due November 19, 2020. Proposals are due January 19, 2021. Approximately \$1.5 million is available to support 5 to 10 awards.

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

2021 C4ISR & Cyberspace SCFs Independent Research and Development Technology Interchange
Meetings
Department of Defense (Defense), Air Force Research Laboratory (AFRL)

Notice announcing a meeting scheduled to increase awareness, stimulate collaboration, and seek alignment between industry's independent research and development innovation investments and the U.S. Air Force's high-priority science and technology needs primarily in the areas of global integrated intelligence, surveillance, and reconnaissance, and in cyber defense and offense.

The meeting will be held March 22 to March 26, 2021. It is yet to be determined if the meeting will be held in person, virtually, or as a hybrid of the two formats. Email expressions of interest to dtic.belvoir.ecm.list.C4isr@mail.mil.

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

EPSCoR Research Infrastructure Improvement Program: Track-2 Focused EPSCoR Collaborations (RII Track-2 FEC)
National Science Foundation (NSF), Office of Integrative Activities (OIA)

Notice seeking proposals to build interjurisdictional collaborative teams of EPSCoR investigators in scientific focus areas consistent with NSF priorities. Projects are investigator-driven and must include researchers from at least two EPSCoR eligible jurisdictions with complementary expertise and resources necessary to address challenges, which neither party could address as well or rapidly independently.

Required letters of intent are due December 18, 2020. Proposals are due January 25, 2021. Approximately \$10.5 million is available to support seven awards.

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

Harnessing the Data Revolution (HDR): Institutes for Data-Intensive Research in Science and Engineering
National Science Foundation (NSF)

Notice seeking proposals to accelerate discovery and innovation in a broad array of research domains. The HDR Institutes will lead innovation by harnessing diverse data sources and developing and applying new methodologies, technologies, and infrastructure for data management and analysis.

Proposals are due January 21, 2021. Approximately \$70 million is available to support four to seven awards.

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

Integrative Strategies for Understanding Neural and Cognitive Systems
National Science Foundation (NSF)

Notice seeking proposals or innovative, convergent, boundary-crossing proposals that can best capture those opportunities and map out new research frontiers. NSF seeks proposals that pursue high-value scientific and technical risks by transcending the perspectives and approaches typical of disciplinary research efforts. This cross-directorate program is one element of NSF's participation in the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative (<https://www.nsf.gov/brain/>).

Required letters of intent are due December 15, 2020. Proposals are due February 15, 2021. Up to \$15 million is available to support up to 15 awards.

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

Addressing Systems Challenges through Engineering Teams
Directorate for Engineering (ENG), National Science Foundation (NSF), Electrical, Communications and Cyber Systems (ECCS) Division

Notice seeking proposals for robust collaborations between the devices, circuits, algorithmic, and network research communities to develop innovative engineering projects within the purview of the ECCS Division with potential for high societal impacts. Examples of areas addressed by ECCS programs include novel electronic, photonic, and magnetic devices; communication systems, novel integrated circuits, antennas, sensors; machine learning, control, and networks.

Proposals are due May 3, 2021. Approximately six awards of up to \$1.5 million each are available.

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

Designing Materials to Revolutionize and Engineer our Future
Directorate for Computer & Information Science & Engineering (CISE), Directorate for Engineering (ENG), Directorate for Mathematical & Physical Sciences (MPS), Department of Defense (Defense), National Science Foundation (NSF), Air Force Research Laboratory (AFRL)

Notice seeking proposals that recognizes the importance of materials science and engineering to the well-being and advancement of society and aims to "deploy advanced materials at least twice as fast as possible today, at a fraction of the cost." MGI integrates materials discovery, development, property optimization, and systems design with a shared computational framework.

Proposals are due January 25, 2021. Approximately \$40 million is available to support 25 awards.

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

Established Program to Stimulate Competitive Research (DOE ESPCoR) Implementation Grants
Department of Energy (Energy), Office of Science

Notice seeking applications to improve research capability through the support of groups of scientists and engineers, including graduate students and post-doctoral fellows, working on a common scientific/technology theme. Collaboration with DOE's national laboratories and leveraging of DOE Office of Science user facilities are encouraged as a way of broadening the network of those performing energy-related research across the nation.

Required pre-applications are due December 15, 2020. Final applications are due March 2, 2021. Approximately \$24 million is available in FY 21 for new awards of up to \$1.5 million and renewal awards of up to \$2.5 million. Eligibility is limited to institutions located in 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, Vermont, Virgin Islands, West Virginia, and Wyoming.

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

Human Networks and Data Science
Directorate for Social, Behavioral & Economic Sciences (SBE), National Science Foundation (NSF)

Notice supporting research that enhances understanding of human behavior and how humans interact with and are influenced by their environments by leveraging data science and network science research across a broad range of topics. HNDS research will identify ways in which dynamic, distributed, and heterogeneous data can provide novel answers to fundamental questions about individual and group behavior. HNDS is especially interested in proposals that provide data-rich insights about human networks to support improved health, prosperity, and security.

Applications are due February 4, 2021, then the first Thursday in February, annually. Deadline is for HNDS-I proposals only. HNDS-R proposals will be submitted to the relevant primary program using that program's deadline. Approximately \$8 million is available for up to 25 awards.

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

Information Innovation Office (I2O) Office-wide
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking proposals for revolutionary research ideas for topics not being addressed by ongoing I2O programs or other published solicitations. The mission of I2O is to ensure enduring advantage for the U.S. and its allies across a broad range of information technologies through the advancement of core technical foundations as well as the design of novel application concepts based on these foundations.

Optional abstracts are due September 23, 2021. Proposals are due October 28, 2021.

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

ROSES 2020: Planetary Major Equipment and Facilities
National Aeronautics and Space Administration (NASA)

Notice seeking proposals for the purchase or development of new or upgraded non-flight analytical, computational, telescopic, and other instrumentation to be used in investigations in Planetary Science Division (PSD) research programs. For a proposal to be relevant to PMEF, the instrument must enable or enhance PSD funded research in at least one of the "Target" program elements.

Step 1 proposals are due December 4, 2020. Step 2 proposals are by invitation only.

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

ROSES 2020: Supplemental Open Source Software awards
National Aeronautics and Space Administration (NASA), Science Mission Directorate (SMD)

Notice seeking proposals to convert legacy software into modern code to be released under a generally accepted, open source license (e.g., Apache-2, BSD-2-clause, GPL). The supplement would add a software component to an existing "parent" research and analysis award, through any previous SMD solicitation that has at least 15 months remaining in its period of performance at the time of the submission of the open source software proposal. Previous SMD solicitations include any from the Biological and Physical Science Division.

Proposals are accepted on a rolling basis until April 14, 2021. Up to 10 awards of up to \$20,000 per year (and up to \$50,000 per year for collaborative proposals) are available to support projects lasting up to three years.

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

SDA Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) BAA
Department of Defense (Defense), Space Development Agency (SDA)

Notice seeking proposals for submissions of innovative research concepts supporting the advancement of our national defense space capabilities. SDA is responsible for orchestrating the development and fielding of the DoD's future threat-driven National Defense Space Architecture (NDSA), a resilient military sensing and data transport capability via a proliferated space architecture primarily in low Earth orbit (LEO).

Proposals are due September 30, 2021. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

Notice of President's National Security Telecommunications Advisory Committee Meeting
Department of Homeland Security (Homeland Security), Cybersecurity and Infrastructure Security Agency (CISA)

Notice announcing a meeting of the President's National Security Technical Advisory Committee (NSTAC). The purpose is to discuss current NSTAC activities pertinent to Government cybersecurity initiatives and NS/EP priorities with senior Government officials.

The meeting will be held on November 12, 2020, from 12:30 p.m. to 4:15 p.m. ET. Registration to attend the meeting is required and must be received no later than 5:00 p.m. ET on November 5, 2020.

LINKS: [Federal Register](#)