

## UNO FOCUS:

Electron, Ion, and Photon Beam Technology and Nanofabrication (EIPBN) International Conference  
May 26-29, 2020 at Sheraton New Orleans  
Abstract Deadline: January 17, 2020

The EIPBN International Conference is seeking abstracts representing original research in areas including electron and ion-beam lithography, extreme UV lithography, advanced optical lithography, beam shaping design and tools, nanoimprint lithography, soft lithography and embossing, scanned-probe-based patterning, atomic and molecular manipulation, resists and resist processing, nanoscale processing techniques, directed self-assembly, biologically-inspired assembly, metamaterials and meta-lenses, 2D material growth and fabrication, simulation and modeling for the nano-scale, integrated nano-photonics, nanofabrication for neuromorphic computing, nanofabrication for quantum computing, nano-electronics, nano-biology, nanofabrication for energy sources, micro- and nano-electromechanical systems, micro- and nano-fluidics, nano-plasmonics, advanced nanomanufacturing, cold atom ion and electron sources, and cutting-edge industrial developments.

Submit your manuscript, early-stage startup, oral presentation, or poster to the EIPBN International Conference by January 17. Abstracts are limited to one page of text (12 point or larger type) and a second, optional page with up to four figures. Late submissions may be considered but only if they report truly outstanding results. Earlier notification will be provided to those authors providing an e-mail address. Authors will be notified of acceptance by March 30, 2020.

LINKS: [Submit Abstract/Paper](#)

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How to Engage: Basic Research Enterprise  
U.S. Department of Defense  
February 20, 2020 at Louisiana State University

The Department of Defense (DoD) is hosting an outreach meeting at Louisiana State University to educate researchers about the DoD Research Enterprise. Program managers from the research agencies and other DoD representatives will participate in the meeting, which topics including how to work with the DoD, how to make connections with DoD program officers, how to pursue funding opportunities specific to DEPSCoR, and how to pursue other programs within the Basic Research Office.

This is a free event presented by the Department of Defense and hosted by Louisiana State University. Breakfast, lunch, and refreshments will be provided. There will be a poster review session during lunch.

LINKS: [Register](#)

## ARTS, HUMANITIES, and INTERNATIONAL

2020 Olympics Programming  
Department of State (State)

Notice seeking applications to design, plan, and implement a multi-event, multi-platform Olympics-themed public diplomacy initiative in Singapore around the 2020 Summer Olympic and Paralympic Games.

Applications are due February 28, 2020. Approximately \$75,000 is available.

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

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Battlefield Preservation Planning Grants - American Battlefield Protection Program  
Department of the Interior (Interior), National Park Service (NPS)

Notice seeking applications to support the identification, research, evaluation, interpretation, and protection of historic battlefields and associated sites on a national, state, and local level. Projects must relate to planning, interpreting, and protecting sites where historic battles were fought on American soil during the armed conflicts that shaped the growth and development of the United States, in order that present and future generations may learn and gain inspiration from the ground where Americans made their ultimate sacrifice.

Applications are due January 31, 2020. Approximately \$1.2 million is available for 20 awards.

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

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#### NAGPRA REPATRIATION AND CONSULTATION-DOCUMENTATION GRANTS FY2020 Department of the Interior (Interior), National Park Service (NPS)

Notice seeking applications for the transfer of control of Native American human remains and/or cultural items to lineal descendants, Indian tribes, and Native Hawaiian organizations. Consultation projects support efforts related to compiling or revising a NAGPRA inventory and making or responding to requests for items in a NAGPRA summary. Documentation projects support determining the geographical origin, cultural affiliation, and other basic facts surrounding the acquisition of Native American cultural items.

Applications for repatriation grants are due April 10, 2020. Applications for consultation and documentation grants are due February 14, 2020. Number of awards and award amounts vary by program.

LINKS: [Grants.gov \(P20AS00024\)](#), [Grants.gov \(P20AS00025\)](#), [Agency Site](#)

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#### Summer Seminars and Institutes for Higher Education Faculty National Endowment for the Humanities (NEH), Division of Education Programs

Notice seeking applications to participate in a residential study program designed for higher education faculty to study a variety of humanities topics along with recent developments in scholarship, teaching, and/or curriculum over the course of a four-week period.

Optional draft applications are due February 12, 2020. Applications are due March 3, 2020. Approximately \$2 million is available for eight awards to support up to \$235,000 per award.

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

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

Notice seeking applications to participate in a residential study program designed for K-12 professionals to study a variety of humanities topics along with recent developments in scholarship, teaching, and/or curriculum over the course of a four-week period.

Optional drafts are due February 12, 2020. Applications are due March 3, 2020. Approximately \$2 million is available for up to 12 awards.

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

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## EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

BLM-CO: Fuels Management & Community Fire Assistance  
Bureau of Land Management (BLM), Department of the Interior (Interior), BLM Colorado (BLM-CO)

Notice seeking applications for partner organizations to assist BLM-CO with fuels management and community fire assistance program activities to reduce the risk and impact of catastrophic wildfires to local communities through coordination, reducing the amount of hazardous fuels, and furthering the education of landowners about wildfire prevention and mitigation.

Applications are due March 13, 2020. Approximately \$400,000 is available for up to eight awards ranging from \$5,000 to \$50,000 per year to support projects lasting up to five years.

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

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FY2020 Commercial Driver's License Program Implementation  
U.S. Department of Transportation (DOT), Federal Motor Carrier Safety Administration (FMCSA)

Notice seeking applications for projects to aid state compliance efforts and improving the National Commercial Driver's License Program.

Applications are due February 21, 2020. Approximately \$32.7 million is available for approximately 50 awards in FY 20. Eligibility is limited to state driver licensing agencies (SDLAs) for Basic grants and open to non-SDLAs including colleges and universities for High-Priority grants.

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

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Fair Housing Initiatives Program  
Department of Housing and Urban Development (HUD)

Notice seeking applications for any of the three initiatives that inform the public about rights and obligations under the Fair Housing Act and substantially equivalent state and local fair housing laws. Applicants must develop a complaint referral process so that funded activities will result in referrals to HUD of fair housing complaints and other possible discriminatory housing practices. IHEs that are formulating or carrying out programs to reduce discrimination may apply.

Applications are due February 6, 2020. Number of awards and award amounts vary by initiative.

LINKS: [Grants.gov \(FR-6300-N-21-A\)](#), [Grants.gov \(FR-6300-N-21-B\)](#), [Grants.gov \(FR-6300-N-21-C\)](#)

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OJJDP FY 20 Second Chance Act Addressing the Needs of Incarcerated Parents and Their Minor Children  
Department of Justice (Justice), Office of Juvenile Justice and Delinquency Prevention (OJJDP)

Notice seeking applications to promote and expand services to develop comprehensive services or expand services to incarcerated parents and their children; provide training for the protection of correction officers to include addressing the safeguarding of children and families visiting incarcerated parents, and to support facilities in rural areas that meet the needs of incarcerated parents and their minor children.

Applications are due March 10, 2020. Approximately \$5 million is available for up to 10 awards to support projects lasting up to 36 months. Priority given to applicants that have policies, practices, and/or procedures in place that ensure the best interest of the child in facilitating the relationship between the incarcerated parent and child, such as the appointment of a guardian ad litem or a court-appointed special advocate.

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

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WY Invasive and Noxious Plant Management  
Bureau of Land Management (BLM), Department of the Interior (Interior)

Notice seeking applications to prevent, detect, inventory, control and monitor weed populations on public lands.

Applications are due May 1, 2020. Approximately \$2 million is available for 12 awards to support projects lasting up to five years.

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

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FY2020 National Call for Nominations for Resource Advisory Councils  
Bureau of Land Management (BLM), Department of the Interior (Interior)

Notice seeking nominations for 27 of BLM's statewide and regional Resource Advisory Councils (RAC) located in the West that have vacant positions and/or members whose terms are scheduled to expire. These RACs provide advice and recommendations to the BLM on land use planning and management of the National System of Public Lands within their geographic areas.

Nominations are due February 24, 2020.

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

## HEALTH and MENTAL HEALTH

Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R01 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Mental Health (NIMH); National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Notice seeking applications that propose the preclinical development of novel radioligands for positron emission tomography (PET) or single photon emission computed tomography (SPECT) imaging in rodent and nonhuman primate brain and incorporation of pilot or clinical feasibility evaluation in pre-clinical studies and appropriate model development.

R01 applications are due annually on February 5, June 5, and October 5. Program expires January 8, 2023.

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

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Development of Highly Innovative Tools and Technology for Analysis of Single Cells (SBIR)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to develop and validate next-generation single cell analysis technologies and tools. The purpose is to foster the commercialization of innovative single cell analysis technologies for their broad use in biomedical research.

Applications are due April 5, September 5, and January 5 annually. The program expires January 6, 2023. Eligibility is limited to small businesses, but colleges and universities may collaborate on Small Business Innovation Research (SBIR) applications and must collaborate on Small Business Technology Transfer (STTR) applications.

LINKS: [Grants.gov](https://www.grants.gov), [Solicitation \(PA-20-047\)](#), [Solicitation \(PA-20-025\)](#)

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NIBIB Trailblazer Award for New and Early Stage Investigators (R21 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Biomedical Imaging and Bioengineering (NIBIB)

Notice seeking applications to pursue research programs of high interest to the NIBIB that integrate engineering and the physical sciences with the life and/or biomedical sciences. A Trailblazer project may be exploratory, developmental, proof of concept, or high risk-high impact, and may be technology design-directed, discovery-driven, or hypothesis-driven. Importantly, applicants must propose research approaches for which there are minimal or no preliminary data.

Applications are due annually on February 16, June 16, and October 16. Program expires January 8, 2023.

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

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Planning and Developing Infrastructure to Promote the Mental Health of Children, Youth and Families in American Indian Alaska Natives (AI AN) Communities  
Substance Abuse and Mental Health Services Administration (SAMHSA), Department of Health and Human Services (HHS)

Notice seeking applications to provide tribal and urban Indian communities with tools and resources to plan and design a holistic, evidence and community-based, coordinated system of care to support mental health for children, youth, and families. These grants are intended to increase the capacity and effectiveness of mental health systems serving AI/AN communities.

Applications are due March 9, 2020. Approximately 17 awards of up to \$310,000 per year are available to support projects lasting up to three years. Eligibility is limited to Native American tribes, organizations, consortia, and tribal colleges and universities but opportunities may exist for other colleges and universities collaborate. Prior Circles of Care recipients are ineligible to apply.

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

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

Notice seeking applications to support public and private nonprofit community-based and patient-directed organizations that provide primary health care services to the Nation's medically underserved populations.

Applications are due March 9, 2020. Approximately \$8 million is available for up to five awards.

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

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Strategic Prevention Framework – Partnerships for Success  
Substance Abuse and Mental Health Services Administration (SAMHSA), Department of Health and Human Services (HHS)

Notice seeking applications to prevent the onset and reduce the progression of substance abuse and its related problems while strengthening prevention capacity and infrastructure at the community and state level. The program is intended to address one of the nation's top substance abuse prevention priorities.

Applications are due March 6, 2020. Approximately \$27.7 million is available to support 27 to 92 awards.

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

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Suicide Prevention Resource Center  
Substance Abuse and Mental Health Services Administration (SAMHSA), Department of Health and Human Services (HHS)

Notice seeking applications to build national capacity for preventing suicide by providing technical

assistance, training, and resources to assist states, tribes, communities, providers, practitioners and members of the public on suicide prevention strategies and best practices to address the issue of suicide.

Applications are due March 9, 2020. Approximately \$7.59 million is available to support one award.

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

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Support to the Government of Botswana to Ensure Quality HIV-Related Strategic Information Services under the President's Emergency Plan for AIDS Relief (PEPFAR)  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS), Center for Global Health (CGH)

Notice seeking applications to strengthen and better integrate HIS, improve monitoring, and build a culture of data quality and utilization to inform HIV program implementation in Botswana.

Applications are due March 6, 2020. Approximately \$3 million is available to support up to two awards.

LINKS: [Grants.gov](#)

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Technical Assistance for Accelerating the Coverage and Quality of Effective HIV Prevention, Treatment and Care Activities Among Key Populations and People Living with HIV in Thailand under the President's Emergency Plan for AIDS Relief (PEPFAR)  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS), Center for Global Health (CGH)

Notice seeking applications to provide direct support and technical assistance (TA) to public and other health facilities in priority provinces with service gaps to accelerate the coverage and quality of effective HIV prevention, treatment and care activities among key populations (KP) and people living with HIV (PLHIV) in Thailand.

Applications are due March 6, 2020. Approximately \$1 million is available to support up to two awards.

LINKS: [Grants.gov](#)

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Advisory Board on Radiation and Worker Health (ABRWH or the Advisory Board)  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS), National Institute for Occupational Safety and Health (NIOSH)

Notice announcing a meeting of the Advisory Board on Radiation and Worker Health. The agenda will include discussions on: Work Group and Subcommittee Reports; Update on the Status of SEC Petitions; Plans for the April 2020 Advisory Board Meeting; and Advisory Board Correspondence. Agenda items are subject to change as priorities dictate.

The meeting will be held on February 19, 2020, 11:00 a.m. to 1:00 p.m., ET. via Audio Conference Call via FTS Conferencing. The USA toll-free dial-in number is 1-866-659-0537; and the pass code is 9933701.

LINKS: [Federal Register](#)

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Healthcare Infection Control Practices Advisory Committee (HICPAC)  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice announcing the meeting for the Healthcare Infection Control Practices Advisory Committee (HICPAC). The agenda will include updates on CDC's activities for prevention of healthcare-associated infections. It will also include updates from the following HICPAC workgroups: The Healthcare Personnel

Guideline Workgroup; the Neonatal Intensive Care Unit (NICU) Guideline Workgroup; the National Healthcare Safety Network (NHSN) Workgroup; and the Bloodstream Infection Workgroup.

The meeting will be held March 5, 2020, 9:00 a.m. to 5:00 p.m., ET, and March 6, 2020, 9:00 a.m. to 12:00 p.m., ET at the Centers for Disease Control and Prevention, Global Communications Center, Building 19, Auditorium B, 1600 Clifton Road NE, Atlanta, Georgia 30329-4027 and teleconference at 1-800-857-2850, passcode: 2622054.

LINKS: [Federal Register](#)

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National Institute of Mental Health; Notice of Meetings  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice announcing meetings scheduled to discuss reports from the NIMH Director and NIMH programs.

The meetings will be held February 4, 2020; May 19, 2020; and September 15, 2020 at National Institutes of Health, Neuroscience Center, Conference Rooms C/D/E, 6001 Executive Blvd., Rockville, MD. See the announcement for times of the open portions of the meetings.

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

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Solicitation for Nominations for Members of the U.S. Preventive Services Task Force (USPSTF)  
FON:

2020-00019

Agency for Healthcare Research and Quality (AHRQ), Department of Health and Human Services (HHS)

Notice seeking nominations for new members to serve on the USPSTF. Nominees should demonstrate knowledge, expertise, and national leadership in the following areas: 1. The critical evaluation of research published in peer-reviewed literature and in the methods of evidence review; 2. Clinical prevention, health promotion and primary health care; and 3. Implementation of evidence-based recommendations in clinical practice including at the clinician-patient level, practice level, and health-system level.

Submit nominations at <https://uspstfnominations.ahrq.gov/register> by March 15, 2020.

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

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Animal and Biological Material Resource Centers (P40) (Clinical Trials Not-Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), Office of Research Infrastructure Programs (ORIP)

Notice seeking applications to develop and/or expand special colonies of laboratory animals, as well as other resources such as informatics tools, reagents, cultures (cells, tissues, and organs) and genetic stocks that serve the biomedical research community in a variety of research areas on a local, regional, and national basis.

Applications are due February 20, 2020; May 27, 2020; September 28, 2020; January 26, 2021; May 26, 2021; September 28, 2021; January 26, 2022; May 26, 2022; and September 27, 2022 through September 28, 2023. Approximately \$1.3 million is available two awards.

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

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Certified Community Behavioral Health Clinic Expansion Grants  
Substance Abuse and Mental Health Services Administration (SAMHSA), Department of Health and Human Services (HHS)

Notice seeking applications to increase access to and improve the quality of community mental and substance use disorder treatment services.

Applications are due March 10, 2020. Approximately \$197 million is available for 98 awards to support projects lasting up to two years. SAMHSA expects applicants to provide comprehensive 24/7 access to community-based mental and substance use disorder services; treatment of co-occurring disorders; and physical healthcare in one single location.

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

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Digital, Limited Interaction Trials and Epidemiology (D-LITE): Targeting HIV Incidence in the United States (U01 Clinical Trial Required)

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 conduct large-scale digital clinical trials to test whether digitally-delivered HIV prevention interventions can reduce HIV incidence among U.S. men who have sex with men (MSM) and/or transgender women and men.

Applications are due March 20, 2020. Approximately \$2 million is available through NIAID; \$1 million is available through NICHD; and \$500,000 is available through NIMH to support projects lasting up to five years.

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

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Infrastructure for the Expansion of Rhesus macaque Colonies to Support HIV-AIDS-related Research (C06 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs

Notice seeking applications to develop or improve the physical infrastructure of nonhuman primate facilities, focusing on the needs related to the expansion of Rhesus macaque colonies.

Applications are due March 5, 2020. Approximately \$2 million is available for projects lasting up to five years.

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

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Novel Therapeutics Directed to Intracellular HIV Targets (R21 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 to support the development of novel therapeutics which are directed to intracellular HIV targets. During the HIV life cycle multiple viral associated proteins are expressed in the infected cell. All are critical to support assembly, release and maturation of the virus. Considering each protein has a defined role in the life cycle, therapeutically targeting one or more may be an effective strategy to obtain potent antiviral activity.

Optional letters of intent are due 30 days prior to application due date. Applications are due April 1, 2020. Approximately \$3 million is available for up to 12 awards.

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

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Prevention Epicenters Program: Protecting Patients from Infections, Antibiotic Resistance and Other Adverse Events  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking applications to form a collaborative research infrastructure between experts in relevant fields of healthcare-associated infections (HAI) and antibiotic resistance (AR) to respond to research priorities to protect patients. This network will conduct research to support the translation of basic, epidemiologic and technologic discoveries into new strategies for preventing HAIs, AR and other adverse events in all types of healthcare facilities in the United States.

Optional letters of intent are due February 3, 2020. Applications are due March 10, 2020. Approximately \$40 million is available for 11 awards.

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

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Radiobiology of High Linear Energy Transfer (High LET) Exposure in Cancer Treatment (R01, Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications to develop multidisciplinary research projects that examine the relative biological effectiveness (RBE) of high linear energy transfer (high LET) radiation on cell and tissue targets.

LOI's are due 30 days prior to the application due date. Applications are due March 19, 2020. Approximately \$3.9 million is available for five awards to support projects lasting up to five years.

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

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Secondary Analysis of Existing Datasets in Heart, Lung, and Blood Diseases and Sleep Disorders (R21 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Heart, Lung, and Blood Institute (NHLBI)

Notice seeking applications to stimulate the use of existing human datasets for well-focused secondary analyses to investigate novel scientific ideas or new models, systems, tools, methods, or technologies that have the potential for significant impact on biomedical or biobehavioral research in areas relevant to the NHLBI mission. This FOA actively supports the use of existing database resources to conduct additional analyses secondary to a project's originally-intended primary purpose. Applications may be related to, but must be distinct from, the specific aims of the original data collection. It will not support the collection of new data.

Applications are due February 26 and October 28 annually through 2022. Awards are up to \$75,000 per year.

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

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National Institute of Arthritis and Musculoskeletal and Skin Diseases; Notice of Meeting  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice announcing a meeting scheduled to discuss NIAMS program documents and policies.

The meeting will be held February 4, 2020, from 8:30 a.m. to 12:00 p.m., ET at Porter Neuroscience Research Center, Building 35A, Room: 620/630, 35 Convent Drive, Bethesda, MD.

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

## SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

FY2020 High Priority-Commercial Motor Vehicle Grant Program (HP-CMV)  
Federal Motor Carrier Safety Administration (FMCSA)

Notice seeking applications to support of enforcement projects that improve safety and compliance with FMCSA's regulations for projects that are national in scope, increase public awareness and education, demonstrate new technologies, and reduce the number/rate of CMV crashes.

Applications are due February 21, 2020. Approximately 75 awards of up to \$2 million each are available.

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

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ROSES 2019: Sustainable Land Imaging-Technology  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to develop next-generation technology for a long-term programmatically sustainable system that as a minimum continues the historical measurement capability, and potentially improves this capability. Technology developed under this program will be considered for infusion over the lifetime of the program as a potential contributing element of the long-term sustainable program.

Requested notices of intent are due February 5, 2020. Proposals are due April 7, 2020. Approximately \$8.2 million is available.

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

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2020 BREP  
Department of Commerce (Commerce), National Oceanic and Atmospheric Administration (NOAA)

Notice seeking applications to support the development of technological solutions and changes in fishing practices designed to minimize bycatch of fish and protected species (including Endangered Species Act-listed fish, marine mammals, seabirds, and sea turtles) and to reduce impacts to invertebrates (including sponges, deep-sea corals, and shallow (tropical) corals). In addition, BREP may support projects that quantify post-release mortality and identify ways to minimize mortality and injury of bycaught species (including post-release injury and mortality).

Applications are due April 2, 2020. Approximately \$2.5 million is available for 13 awards.

LINKS: [Grants.gov](#)

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American Lobster Research Program  
Department of Commerce (Commerce)

Notice seeking applications to develop robust and diverse research projects aimed to address: 1) Increasing understanding of life history parameters; (2) Larval ecology and early biology; (3) Spatial distribution and migration; and/or (4) socio-ecological investigations to inform future management decisions.

Applications are due March 19, 2020. Approximately \$2 million is available for up to 10 awards to support projects lasting up to two years.

LINKS: [Grants.gov](#)

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Coastal Program - Great Lakes Restoration Initiative  
Fish and Wildlife Service (FWS), Department of the Interior (Interior)

Notice seeking applications to provide technical and financial assistance to coastal communities and landowners in an effort to restore and protect fish and wildlife habitat on public and private lands. The Coastal Program is not a conventional grants program, in that it does not solicit projects through a request for proposals. Instead project work plans are developed strategically, in coordination with partners, and with substantial involvement from Service field staff aimed to promote biological diversity based upon sound scientific biological principles.

Applications are due September 20, 2020. Approximately \$1 million is available for 10 awards. The program is available to coastal areas within the U.S. portion of the Great Lakes basin which includes parts of Michigan, Wisconsin, Minnesota, Illinois, Indiana, Ohio, Pennsylvania, and New York.

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

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Fiscal Year (FY) 2021 Funding Opportunity Announcement (FOA) for the Office of Naval Research (ONR) Manufacturing Science Program  
Navy (Navy), Department of Defense (Defense)

Notice seeking applications to facilitate or enable advances in Naval manufacturing with preference given to Naval-unique or Naval-centric topics that will develop a fundamental understanding of manufacturing processes and/or materials and thereby provide scientific understanding to support advances in the manufacturing technology of Naval components.

White paper inquiries and questions are due February 7, 2020. Proposal inquiries and questions are due May 11, 2020. Proposals are due June 8, 2020. Approximately \$650,000 is available for multiple awards to support projects lasting up three years.

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

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Fiscal Year 2020 High Priority Program – Innovative Technology Deployment (HP-ITD)  
Federal Motor Carrier Safety Administration (FMCSA)

Notice seeking applications to improve safety and productivity of motor carriers, CMVs, and their drivers; improve efficiency and effectiveness of CMV safety programs through targeted enforcement; improve CMV data sharing among States and between States and FMCSA; and reduce Federal, State, and industry regulatory and administrative costs.

Applications for high priority programs are due February 19, 2020. Approximately \$20 million is available for 35 awards to support projects lasting up to five years. FMCSA will reimburse approved costs at the rate of 100 percent (no match/cost-share required) in the deployment of an HP-ITD CVIEW for States that have not achieved Core ITD certification and have not been reimbursed for a CVIEW project previously by FMCSA. All other approved projects will be reimbursed at the rate of 85 percent of eligible costs, requiring a match/cost share of 15 percent.

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

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National Quantum Information Science Research Centers  
Office of Science and Technology Policy (OSTP)

Notice seeking applications to accelerate the transformational advances in basic science and quantum-based technology needed to develop world-leading capabilities in Quantum Information Science (QIS), and in support of the National Quantum Initiative Act.

Pre-applications are due February 10, 2019. Invited applications are due April 10, 2020. Approximately \$625 million is available for five awards to support projects lasting up to five years.

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

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#### NOAA SBIR

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

Notice seeking applications from small businesses for Phase 1 feasibility research to determine scientific or technical merit/ feasibility of concepts/ideas. Research topic areas include: Aquaculture; Recreational and Commercial Fisheries; Weather Service Improvement and Evolution; NOAA Big Data Partnerships; Next Generation NOAA Platforms; Next Generation Observation and Modeling Systems; and Flood. Consultative arrangements between firms and universities are encouraged, with the small business serving as the prime contractor.

Applications are due February 3, 2020. Approximately \$3.75 million is available for 25 awards.

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

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North American Wetlands Conservation Act 2021-1 U.S. Standard Grants  
Fish and Wildlife Service (FWS), Department of the Interior (Interior)

Notice seeking applications that support public-private partnerships carrying out projects in the United States that further the goals of the North American Wetlands Conservation Act. Projects must involve only long-term protection, restoration, enhancement and/or establishment of wetland and associated upland habitats to benefit migratory birds. The program requires a 1:1 non-federal match and research funding is ineligible. This program supports the DOI and FWS mission of protecting and managing the nation's natural resources by collaborating with partners and stakeholders to conserve land and water and to expand outdoor recreation and access.

Cycle 1 applications are due February 21, 2020 and Cycle 2 applications are due July 10, 2020. Approximately \$50 million is available for 50 awards.

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

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Novel Concepts for the Utilization of Carbon Dioxide from Utility and Industrial Sources  
Department of Energy (Energy), National Energy Technology Laboratory (NETL)

Notice seeking to develop novel marketable products using CO<sub>2</sub> as a feedstock. Technologies that convert CO<sub>2</sub> must show a net decrease in CO<sub>2</sub> emissions through life cycle analysis, show a potential to generate a marketable product, and show that the product displays beneficial aspects when compared to commercially available products produced with fossil fuel feedstocks.

Applications are due February 20, 2020. Approximately \$15 million is available for 10 awards.

LINKS: [Grants.gov](#)

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Pulsed and Continuous wave Innovation for Integration and Effects Research (PACIFIER) FA9451-18-S-0003 Call 0003

Department of Defense (Defense)

Notice seeking proposals to develop both test and analysis activities to quantify the effects of high power continuous-wave lasers (up to megawatt class) interacting with individual materials, multi-material subsystems, and/or fully functional targets as well as possible comparisons to high energy pulsed lasers.

Applications for the first call for proposals are due February 24, 2020. Approximately \$28 million is available for awards from FY 20 through FY 24. Additional calls for proposals are possible under this broad agency announcement.

LINKS: [Contract Opportunities](#)

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Visiting Committee on Advanced Technology; Meeting  
National Institute of Standards and Technology (NIST), Department of Commerce (Commerce)

Notice announcing a meeting scheduled to review and make recommendations regarding general policy for NIST, its organization, its budget, and its programs within the framework of applicable national policies as set forth by the President and the Congress. The agenda is also scheduled to include an update on major programs at NIST as well as initial observations, findings, and recommendations for the 2019 VCAT Annual Report.

The meeting will be held February 12, 2020 from 8:30 a.m. to 5:00 p.m. and February 13, 2020 from 8:30 a.m. to 12:00 p.m., ET at Portrait Room, Administration Building, at NIST, 100 Bureau Drive, Gaithersburg, MD and via webinar. Call or email the contact for instructions on how to attend the webinar or to register to attend in person.

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