SPOTLIGHTED OPPORTUNITIES FOR UNO

The National Aeronautics and Space Administration (NASA) Office of Education, in cooperation with the International Space Station (ISS) Research Office, NASA’s Aeronautics Research Mission Directorate (ARMD), Human Exploration & Operations Mission Directorate (HEOMD), Science Mission Directorates (SMD), Space Technology Mission Directorate (STMD), and NASA’s ten centers (including JPL), solicits proposals for the NASA Experimental Program to Stimulate Competitive Research (EPSCoR) International Space Station (ISS) Flight Opportunity. Each funded NASA EPSCoR proposal is expected to establish research activities that will make significant contributions to the strategic research and technology development priorities of one or more of the Mission Directorates, and contribute to the overall research infrastructure, science and technology capabilities, higher education, and economic development of the jurisdiction receiving funding.

ARTS, HUMANITIES AND INTERNATIONAL

Annual Program Statement - Public Diplomacy Programs with Chile

Department of State (State), US Mission to Chile

Notice seeking applications to support projects proposed by U.S. and Chilean cultural, educational, and other non-profit organizations and/or individuals that fulfill U.S. Embassy goals and objectives: to promote greater understanding of the United States and to foster academic, cultural, and other people-to-people exchanges between the United States and Chile. Applications are due February 1, 2017. Approximately $80,000 is available.

LINKS: Grants.gov, Solicitation

Encouraging Marginalized Voices in the Lebanese Political Process

Department of State (State), Near East Affairs - Assistance Coordination

Notice seeking applications to bolster and support existing organizations focused on gender in Lebanon. Programs should strengthen the relationship between existing civil society organizations and elected officials to increase government accountability and impact reform on gender related issues.

Applications are due February 1, 2017. Approximately $1.5 million is available to support one award. Non-profit organizations are eligible to apply.

LINKS: Grants.gov

FY 2017 National Security Language Initiative for Youth

Department of State (State), Bureau of Educational and Cultural Affairs

Notice seeking applications to increase the number of American youth (ages 15 to 18) who learn critical foreign languages in support of the U.S. foreign policy goals of increasing national security, promoting U.S. competitiveness, building mutual understanding, and involving the robust participation of youth. Applications are due February 6, 2017. Approximately $8.9 million is available to support one award.

LINKS: Grants.gov

Promoting the Human Rights of Persons with Albinism in Tanzania

Department of State (State), Bureau of Democracy, Human Rights and Labor (DRL)

Notice seeking applications for programs intended to increase respect for human rights and to combat structural forms of stigma, discrimination, and violence that impacts persons with albinism in Tanzania. Applications due January 20, 2017. Approximately $350,000 is available to support one to two award.

LINKS: Grants.gov, Solicitation
EDUCATION and ECONOMIC AND COMMUNITY DEVELOPMENT

OJJDP FY 17 Field-Initiated Research and Evaluation
Department of Justice (Justice)

Notice seeking applications to support innovative and methodologically sound research and evaluation efforts that inform policy and practice consistent with the Department of Justice’s mission to advance effective delinquency prevention and juvenile justice system interventions and reform.

Applications are due February 6, 2017. Approximately $1.5 million is available to support three awards.

LINKS: Grants.gov

OJJDP FY 17 National Amber Alert Training and Technical Assistant Program
Department of Justice (Justice)

Notice seeking applications to increase the nation’s capacity to respond to incidents of endangered, missing, and abducted children. Applications are due February 6, 2017. Approximately $2.4 million is available to support up to one award.

LINKS: Grants.gov

Council for Native American Farming and Ranching: Public Meeting
United States Department of Agriculture (USDA)

Notice announcing a meeting of The Council for Native American Farming and Ranching a public advisory committee of the Office of Tribal Relations. Agenda items include: Hearing public comments, update of USDA programs and activities, and discussion of committee priorities. The meeting will be held December 8, 2016, 10:00 am to 6:00 pm, Local Time and December 9, 2016, 8:30 am to 6:00 pm Local Time at the Flamingo Hotel, 3555 S. Las Vegas Boulevard, Las Vegas, Nevada.

LINKS: Federal Register

World War One Centennial Commission; Notification of Upcoming Public Advisory Meeting
General Services Administration (GSA)

Notice announcing a meeting of the World War One Centennial Commission to ensure a suitable observance of the centennial of World War I, to provide for the designation of memorials to the service of members of the United States Armed Forces in World War I, and for other purposes. The meeting will be held on Thursday, December 15, 2016 from 9:00 am to 10:00 am, ET. at the Offices of the World War I Centennial Commission at 1800 G Street NW., Washington, DC

LINKS: Federal Register

BJA FY 17 Byrne Criminal Justice Innovation Program (BCJI)
Department of Justice (Justice)

Notice seeking applications for projects to reduce crime and improve community safety as part of a comprehensive strategy to advance neighborhood revitalization goals. Applications are due February 2, 2017. Approximately $700,000 is available to support 14 awards.

LINKS: Grants.gov
BJA FY 17 Smart Policing Initiative

Department of Justice (Justice)

Notice seeking applications to support state, local, and tribal jurisdictions’ implementation and evaluation of unique approaches to chronic crime problems, emerging crime problems, or barriers to police agencies’ ability to address such problems. Applications are due January 26, 2017. Approximately $5 million is available to support up to eight awards.

LINKS: Grants.gov

BJA FY 17 Smart Prosecution Initiative

Department of Justice (Justice)

Notice seeking applications to explore new solutions to public safety concerns, as well as internal operations and organizational structure, while employing research partners at the problem definition stage through assessment of strategies and solutions. Partnerships are encouraged. Applications are due January 26, 2017. Approximately $1.275 million is available to support up to three awards.

LINKS: Grants.gov

BJA FY 17 Technology Innovation for Public Safety (TIPS)

Department of Justice (Justice)

Notice seeking applications to enable strategic information sharing across crime-fighting agencies and with identified partnerships to address specific local or regional crime problems. Applicants are encouraged to propose comprehensive plans that include coordination among multiple stakeholder agencies, shared investment and use of technology services or regional planning as appropriate. Institutes of higher education can be subgrantees. Applications are due February 7, 2017. Approximately $4 million is available to support up to five awards.

LINKS: Grants.gov

BJA FY 17 The Smart Prosecution Initiative Training and Technical Assistance Program

Department of Justice (Justice), Bureau of Justice Assistance

Notice seeking applications to deliver, nationwide, a wide range of training and technical assistance services to agencies participating in Smart Prosecution. These services include, but are not limited to, training sessions and educational sessions developed and conducted by relevant subject matter experts, onsite or remote guidance on problem analysis, solution development, data analysis, prosecution theory, evaluation methodology, and other matters relevant to the purposes of the Smart Prosecution Program. Applications are due January 26, 2017. Approximately $750,000 is available to support one award.

LINKS: Grants.gov

Coastal Program - Great Lakes Restoration Initiative

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

Notice seeking applications supporting Coastal Program – Great Lakes Restoration Initiative. Projects must advance the mission, promote biological diversity, and be based upon sound scientific biological principles. Cost sharing is encouraged. Applications are due April 5, 2017. Approximately $600,000 is available to support 12 awards.

LINKS: Grants.gov
Firearm and Bow Hunter Safety and Education Program (Section 10 Hunter Education Grant Program)

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

Notice seeking applications to enhance: programs for hunter education, hunter development, and firearm and archery safety; interstate coordination of hunter-education and firearm- and archery- range programs; programs for education, safety, or development of bow hunters and archers; construction and development of firearm and archery ranges; and to update safety features of firearm and archery ranges.

Applications are due August 31, 2017.

LINKS: Grants.gov

OJJDP FY 17 Community Level Youth Violence Prevention Research and Evaluation Program

Department of Justice (Justice)

Notice seeking applications to promote efficient and effective community-level adoption and sustainability of research-tested youth violence prevention and control strategies. The goal of this research and evaluation program is to generate knowledge and tools with practical implications for efforts to prevent and reduce youth violence and exposure to violence at the community level.

Applications are due February 7, 2017. Approximately $1 million is available to support up to two awards.

LINKS: Grants.gov

Organic Transitions

United States Department of Agriculture (USDA), National Institute of Food and Agriculture (NIFA)

Notice seeking applications to support the development and implementation of research, extension, and higher education programs to improve the competitiveness of organic livestock and crop producers, as well as those who are adopting organic practices.

Applications are due March 9, 2017. Approximately $3.8 million is available.

LINKS: Grants.gov, Solicitation

Solicitation of Nominations for Members of the USDA Grain Inspection Advisory Committee

United States Department of Agriculture (USDA)

Notice soliciting nominations for the Department of Agriculture's (USDA) Grain Inspection, Packers and Stockyards Administration (GIPSA) Advisory Committee.

Nomination materials are due January 20, 2017.

LINKS: Federal Register
HEALTH and MENTAL HEALTH

Advancing Research on Alzheimer's Disease (AD) and Alzheimer's-Disease-Related Dementias (ADRD) (R41/R42 and R43/R44)

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

Notice seeking applications supporting Small Business Innovation Research (SBIR) and Small Business Technology Transfer Research (STTR) projects to conduct research leading to the development of innovative products and/or services that may advance progress in preventing and treating Alzheimer's disease (AD) and Alzheimer's-disease-related dementias (ADRD) and/or caring for and treating AD/ADRD patients. Funds support projects related to: prevention; diagnosis; treatment; care; and tools related to AD/ADRD. Applicants must be small businesses, but universities may partner on SBIR awards. Universities must partner on STTR awards.

Letters of intent are due 30 days before the chosen due date. Applications are due annually on January 5, April 5, and September 5 until September 6, 2019. Approximately $15 million is available to support 20 SBIR awards. Approximately $5 million is available to support 10 STTR awards.

LINKS: Grants.gov (STTR), Solicitation (STTR), Solicitation (SBIR)

BRAIN Initiative: Exploratory Targeted BRAIN Circuits Projects - eTargetedBCP (R21)

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

Notice seeking applications supporting exploratory research projects that use innovative, methodologically-integrated approaches to understand how circuit activity gives rise to mental experience and behavior. Applications should offer a limited scope of aims and an approach that will establish feasibility, validity or other technically qualifying results that could justify further research. Requested Letters of intent are due 30 days before the due date. Applications are due March 8, 2017. Approximately $2 million is available to support up to 10 awards.

LINKS: Grants.gov, Solicitation

BRAIN Initiative: Targeted BRAIN Circuits Projects - TargetedBCP (R01)

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

Notice seeking applications supporting research projects that use innovative, methodologically-integrated approaches to understand how circuit activity gives rise to mental experience and behavior. Applications should address circuit function in the context of specific neural systems such as sensation, perception, attention, reasoning, emotion, navigation, communication or homeostasis and link theory and data analysis to experimental design and should produce predictive models as deliverables. Optional letters of intent are due 30 days before the due date. Applications are due by March 8, 2017. Approximately $7 million is available to support 10 awards.

LINKS: Grants.gov, Solicitation

BRAIN Initiative: Team-Research BRAIN Circuit Programs - TeamBCP (U19)

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

Notice seeking applications supporting integrated, interdisciplinary research teams from prior BRAIN technology and/or integrated approaches teams, and/or new projects from the research community that focus on examining circuit functions related to behavior, using advanced and innovative technologies. Funds support projects that address overarching principles of circuit function in the context of specific neural systems underlying sensation, perception, emotion, motivation, cognition, decision-making, motor control, communication, or homeostasis. Letters of intent are due 30 days before the chosen due date. Applications are due by March 1, 2017 and October 17, 2017. Approximately $12.5 million is available to support up to five awards.

LINKS: Grants.gov, Solicitation
Institutional Training Programs to Advance Translational Research on Alzheimer's Disease and AD Related Dementias (T32)

Notice seeking applications to promote the development of an interdisciplinary workforce to conduct research on Alzheimer's disease and Alzheimer's disease related dementias. This FOA will support institutional training programs for predoctoral and postdoctoral level researchers with backgrounds in biology, data sciences and traditional and emerging pharmaceutical science.

Requested letters of intent are due January 3, 2017. Applications are due February 3, 2017. Approximately $2.5 million is available to support three to five awards.

LINKS: Grants.gov, Solicitation

Leveraging Existing Resources for Research on Lewy Body Dementia (R03)

Notice seeking applications supporting efforts to investigate the clinical, imaging, or physiological characteristics of subjects with dementia and Parkinsonism (Lewy Body Dementia) using previously-collected data available in targeted databases. Funds support efforts that may: lead to early diagnosis; improve differential diagnosis; and/or lead to the identification of potential therapeutic targets.

Applications are due February 10, 2017. Approximately $1 million is available to support 10-13 awards.

LINKS: Grants.gov, Solicitation

National Maternal and Child Center for Oral Health Systems Integration and Improvement

Notice seeking applications to improve existing systems of care in support of a quality improvement, patient-centered approach that addresses the comprehensive oral health needs of maternal and child health (MCH) populations.

Applications are due March 6, 2017. Approximately $1 million is available to support one award.

LINKS: Grants.gov

Pilot Clinical Trials Targeting HIV-1 Reservoirs in Children (U01)

Notice seeking applications to support pilot clinical trials that test interventions to limit or reduce HIV-1 reservoirs in children (birth to 18 years of age at the time of enrollment) on effective suppressive antiretroviral therapy.

Requested letters of intent are due February 14, 2017. Applications are due March 14, 2017. Approximately $3.15 million is available to support one to two awards.

LINKS: Grants.gov, Solicitation
Tools for Clinical Care and Management of Alzheimer's Disease (AD) and Its Comorbidities (R41/R42) and (R43/R44)

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

Notice seeking applications supporting Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) awards focusing on the development of innovative technologies in the clinical care and management of Alzheimer's disease (AD) and Alzheimer's-disease-related dementias. Focus areas include: Devising tools to measure outcomes of AD, ADRD, and other comorbidities, including tools that measure functional and cognitive status; Identifying, recording, and tracking changes in personalized goals of care, care preferences, and the documented advance directives; Enabling clinical management across practice settings in line with patient goals and advance directives, including decisions to terminate the prescription of undesirable drugs and to reduce the intensity of medical interventions/services; Caregiver-focused tools that support caregivers and patients with AD/ADRD to manage their health conditions and to prolong in-home residency; and Developing clinical care resources and tools addressing applicable to reducing problems related to caregiver health, or improving aspects of caregiver health. Small businesses must be the lead applicant, but universities may partner on SBIR awards. Universities must partner for STTR awards.

Letters of intent are due 30 days before the chosen due date. Proposals are due annually on January 5, April 5, and September 5 until September 6, 2019. Multiple awards are anticipated. Approximately $150,000 per award is available to support multiple Phase I awards.

LINKS: Grants.gov (STTR), Solicitation (STTR), Solicitation (SBIR)

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Autism Transitions Research Project (ATRP)

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

Notice seeking applications to support research designed to advance the evidence base regarding factors associated with healthy life (physical, social, mental health, and educational/occupational) outcomes among adolescents and young adults with Autism Spectrum Disorder who are transitioning to adulthood.

Applications are due February 13, 2017. Approximately $500,000 is available to support one award.

LINKS: Grants.gov

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Innovative Programs to Enhance Research Training (IPERT) (R25)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of General Medical Sciences

Notice seeking applications for creative educational activities with a primary focus on Courses for Skills Development, Mentoring Activities, and Outreach that complement and/or enhance the research training of a workforce to meet the nations biomedical, behavioral and clinical research needs.

Requested letters of intent are due 30 days prior to application deadline. Applications due February 7, 2017, January 23, 2018, and January 23, 2019.

LINKS: Grants.gov, Solicitation

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Leveraging Electronic Health Records for Alcohol Services Research (R21/R33)

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

Notice seeking low-cost, pragmatic research applications that leverage electronic clinical records to conduct studies that address novel health services questions about the treatment of alcohol use disorders in routine clinical care settings.

Applications are due February 16; June 16; October 16 through May 8, 2020.

LINKS: Grants.gov, Solicitation
Maximizing Access to Research Careers Undergraduate - Student Training in Academic Research (MARC U-STAR) (T34)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of General Medical Sciences

Notice seeking applications supporting MARC Undergraduate Student Training in Academic Research (U-STAR) program. Applications are due April 24, 2017. The number of awards and award amounts are contingent upon applications received. Limited Submission: One application per institution is allowed.

LINKS: Grants.gov, Solicitation

Mechanisms of Cancer Drug Resistance and Sensitivity (U54)

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

Notice seeking applications to create a network of Drug Resistance and Sensitivity Centers to develop innovative strategies to study mechanisms of tumor resistance or sensitivity to anticancer therapy. It is hoped that such studies will permit future efforts to identify and exploit these phenomena in clinical settings.

Optional letters of intent are due 30 days prior to the application due date. Applications are due March 3, 2017. Approximately $6.25 million is available to support up to five awards.

LINKS: Grants.gov, Solicitation

Miner Safety and Health Training Program-Western United States (U60)

Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS), National Institute for Occupational Safety and Health (NIOSH)

Notice seeking applications for cooperative agreements to support the development of training and education programs to enhance the quality and availability of health and safety training for mine workers in the Western United States.

Applications are due February 14, 2017. Approximately $1.2 million is available to support three awards.

LINKS: Grants.gov

Natural Experiments of Policy and Built Environment Impact on Diabetes Risk

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

Notice seeking applications to either support a 5-year multi-center research network of innovative, non-health system-based, natural experiments approaches to alter the diabetogenic characteristics of US communities OR to operate a Central Coordinating Center (CCC) to provide organizational, logistic and communication support to enhance the efficiency, productivity, and impact of the Natural Experiments research centers that are funded as part of the former component.

Applications are due February 13, 2017. Approximately $15 million is available to support five awards.

LINKS: Grants.gov
NCI Transition Career Development Award to Promote Diversity (K22)

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

Notice seeking applications supporting NCI Career Transition Award to Promote Diversity program to assist a postdoctoral fellow’s transition to positions of assistant professor or equivalent and initiate a successful biomedical career as an independent research scientist.

Applications are due annually on February 12, June 12, and October 12. The amount available and the number of awards are contingent upon NIH appropriations.

LINKS: Grants.gov, Solicitation

Optimizing the HIV Care Continuum for Substance Abusing Populations at High-Risk and/or Living with HIV (R01)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Drug Abuse

Notice seeking applications supporting research that examines multiple components of the care continuum, such as HIV testing (identification) status, linkage and retention in care, and viral suppression for individuals with HIV for substance abusing populations at high-risk and/or living with HIV.

Optional letters of intent are due April 8, 2017. Applications are due May 9, 2017. Approximately $4 million is available to support up to five awards.

LINKS: Grants.gov, Solicitation

PDX Data Commons and Coordinating Center (PDCCC) for the PDX Development and Trial Centers Research Network (PDXNet) (U24)

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

Notice seeking applications to establish a PDXNet Data Commons and Coordinating Center (PDCCC). PDCCC will interact with and coordinate with the PDX (Patient-Derived Xenograft) Development and Trial Centers Research Network (PDXNet) comprised of four PDX Development and Trial Centers (PDTCs, to be supported by companion FOA, RFA-CA-17-003) in a collaborative network.

Optional letters of intent are due February 2, 2017. Applications are due March 3, 2017. Approximately $650,000 is available to support one award.

Limited Submission: Institution may submit only one application

LINKS: Grants.gov, Solicitation

PDX Development and Trial Centers (PDTCs) (U54)

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

Notice seeking applications for PDX (patient-derived xenografts) Development and Trial Centers (PDTCs) to serve as the laboratory research units of the PDX Development and Trial Centers Research Network (PDXNet). The PDXNet is a NCI program established to coordinate collaborative, large-scale development and pre-clinical testing of targeted therapeutic agents in patient-derived models to advance the vision of cancer precision medicine.

Optional letters of intent are due February 2, 2017. Applications are due March 3, 2017. Approximately $5 million is available to support four awards.

LINKS: Grants.gov, Solicitation
Primary Care Medicine and Dentistry Clinician Educator Career Development Award

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

Notice seeking applications to strengthen the primary care workforce by training and supporting physicians, physician assistants, dentists, and dental hygienists who plan to teach in the primary care fields. Applications are due February 13, 2017. Approximately $4 million is available to support up to 20 awards.

LINKS: Grants.gov

Revision Applications for U.S-South Africa Program for Collaborative Biomedical Research, R01 and U01

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

Notice seeking applications to enhance the pool of investigators in South Africa who are from underrepresented backgrounds in the country’s workforce and who are engaged in collaborative research activities in the areas of tuberculosis, HIV/AIDS biomedical and behavioral science, and HIV-related co-morbidities, including malignancies. Optional letters of intent are due February 28, 2017. Applications are due March 28, 2017.

LINKS: Grants.gov (R01), Solicitation (R01)

The NCI Predoctoral to Postdoctoral Fellow Transition Award (F99/K00)

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

Notice seeking applications to encourage and retain outstanding graduate students who have demonstrated potential and interest in pursuing careers as independent cancer researchers. Optional letters of intent are due January 18, 2017. Applications are due February 18, 2017. Approximately $1.5 million is available to support up to 36 awards.

LINKS: Grants.gov, Solicitation

National Institute on Aging; Notice of Meeting

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

Notice announcing a meeting of National Advisory Council on Aging. The meeting will cover reports from the task force on minority aging research, working group on program, and program highlights.

The meeting will be held January 18, 2017 from 8:00 am to 1:15 pm ET at Building 31, C Wing 6th Floor Conference Room 10, 9000 Rockville Pike, Bethesda, MD.

LINKS: Federal Register

**SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS**

2017 Partnerships for Implementing Hawaiian Monk Seal Species in the Spotlight Priority Recovery Actions

National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce), National Marine Fisheries Service (NMFS)

Notice seeking applications supporting efforts related to Hawaiian monk seal recovery or marine mammal response. Focus areas include: detecting and preventing disease-related mortality; development and implementation of a strategic communications plan and social marketing strategy; and encouraging citizen science in the main Hawaiian Islands.

Applications are due by February 28, 2017. Approximately $150,000 is available to support multiple awards. Award caps vary by focus area.

LINKS: Grants.gov
Agile Teams (A-Teams)

DARPA (DARPA), Department of Defense (Defense)

Notice seeking proposals in the area of predictive frameworks and experimental testbeds for the design of agile, hybrid teams of multiple humans teamed with intelligent machines. Proposed research should investigate innovative approaches that enable revolutionary advances in science or systems.

Abstracts are due December 14, 2016. Proposals are due February 7, 2017. Approximately $22 million is available over four years.

LINKS: Grants.gov, FBO, Agency Site

Cyberinfrastructure for Emerging Science and Engineering Research

National Science Foundation (NSF)

Notice seeking proposals to foster the development of innovative cyberinfrastructure (CI) technologies and new means of leveraging existing CI resources to catalyze emerging areas of potentially transformative science and engineering research, including NSF priority areas, national strategic initiatives, and international collaborative research.

Proposals are accepted anytime.

LINKS: Grants.gov, Solicitation

Cybersecurity Innovation for Cyberinfrastructure

Directorate for Computer & Information Science & Engineering (CISE), National Science Foundation (NSF), Division of Advanced Cyberinfrastructure

Notice seeking proposals supporting the development and deployment of hardware and software technologies and techniques to protect research cyberinfrastructure across every stage of the scientific workflow. Examples of infrastructure include local or remote instruments, wireless sensors, software programs, operating systems, database servers, high-performance computing, large-scale storage, and other critical infrastructure connected by high-speed networking. Funds support two program areas: Resilient Security Architecture for Research Cyberinfrastructure; and Cybersecurity Enhancement.

Applications are due by March 1, 2017. Approximately $8.5 million is available to support seven to nine awards.

Limited Submission: Organizations are limited to two submissions.

LINKS: Grants.gov, Solicitation

Early Career Awards: Using a Total Environment Framework (Built, Natural, Social Environments) to Assess Life-long Health Effects of Chemical Exposures

Environmental Protection Agency (EPA)

Notice seeking applications for research on how pollution affects human health in the context of the total environment – built, natural, and social environments interacting together with inherent characteristics and interactions. Proposed research should develop and test innovative models or impact assessment approaches to examine causal relationships of chemical pollutants and health effects with modifying interactions among the variables representing all of the major stressors and factors involved in a person’s life.

Applications are due March 2, 2017. Approximately $7 million is available to five regular and five early-career awards.

LINKS: Grants.gov (Early Career Awards), Grants.gov, Solicitation
FY 2017 NASA Experimental Program to Stimulate Cooperative Agreement Notice

National Aeronautics and Space Administration (NASA)

Notice seeking proposals to contribute to and promote the development of research capability in NASA EPSCoR jurisdictions in areas of strategic importance to the NASA mission; improve the capabilities of the NASA EPSCoR jurisdictions to gain support from sources outside the NASA EPSCoR program; develop partnerships among NASA research assets, academic institutions, and industry; contribute to the overall research infrastructure, science and technology capabilities, higher education, and economic development of the jurisdiction; and work to improve the environment for science, technology, engineering and mathematics (STEM) education.

Proposals are due March 6, 2017. The NASA EPSCoR Directors from the following jurisdictions are eligible to submit one proposal to this NASA EPSCoR solicitation: Alabama, Alaska, Arkansas, Delaware, Idaho, Guam, Hawaii, Kansas, Kentucky, Louisiana, Maine, Mississippi, Montana, Nebraska, Nevada, New Hampshire, New Mexico, North Dakota, Oklahoma, Puerto Rico, Rhode Island, South Carolina, South Dakota, US Virgin Islands, Vermont, West Virginia, and Wyoming.

LINKS: Grants.gov, Solicitation

FY17-19 Habitat Blueprint – Coastal and Marine Habitat Focus Area Cooperative Agreements

National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce), National Marine Fisheries Service (NMFS)

Notice seeking applications supporting efforts to identify and support comprehensive and cooperative habitat conservation projects in the nine specified NOAA Habitat Focus Areas (HFAs) that sustain resilient and thriving marine and coastal resources, communities, and economies. Specific priorities vary by HFA. The list of HFAs includes: Biscayne Bay, Florida; Choptank River, Maryland/Delaware; Kachemak Bay, Alaska; Manell-Geus, Guam; Muskegon Lake, Michigan; Northeast Marine Corridor and Culebra Island, Puerto Rico; Penobscot River, Maine; Russian River, California; and West Hawaii, Hawaii.

Applications are due by February 2, 2017. Approximately $3.5 million is available to support multiple awards.

LINKS: Grants.gov

NSF Scholarships in Science, Technology, Engineering, and Mathematics Program

Directorate for Education & Human Resources (EHR), National Science Foundation (NSF), Division of Undergraduate Education

Notice seeking proposals supporting efforts for institutions to fund scholarships and to advance the adaptation, implementation, and study of effective evidence-based curricular and co-curricular activities that support recruitment, retention, transfer, student success, academic/career pathways, and graduation in STEM. Supported disciplines include: Biological sciences (except medicine and other clinical fields); Physical sciences (including physics, chemistry, astronomy, and materials science); Mathematical sciences; Computer and information sciences; Geosciences; Engineering; and Technology areas associated with the preceding disciplines (for example, biotechnology, chemical technology, engineering technology, information technology, etc.)

Applications are due March 29, 2017, and then annually on the last Wednesday in March. Approximately $70-95 million is available to support 60-80 awards.

Limited Submission: An Institution may submit one proposal (either as a single institution or as subawardee or a member of a Collaborative Research project) from each constituent school or college that awards degrees in an eligible field.

LINKS: Grants.gov, Solicitation
Software Infrastructure for Sustained Innovation

National Science Foundation (NSF), Multiple Directorates

Notice seeking proposals supporting the development robust, reliable and sustainable software that will support and advance sustained scientific innovation and discovery. Funds support three types of awards: Scientific Software Elements (SSE) awards that create and deploy robust software elements for which there is a demonstrated need that will advance one or more significant areas of science and engineering; Scientific Software Integration (SSI) awards that target larger, interdisciplinary teams developing and applying common software infrastructure aimed at solving common research problems in one or more areas of science and engineering; and Scientific Software Innovation Institutes Conceptualization proposals (S2I2) which are planning awards aimed at organizing an interdisciplinary community and understanding their software requirements and challenges.

SSE proposals are due March 7, 2017. S2I2 proposals are due April 11, 2017. SSI proposals are due September 19, 2017. Funding levels vary by award type.

LINKS: Grants.gov, Solicitation

Molecular Code and Compute Request for Information (RFI)

DARPA (DARPA), Department of Defense (Defense)

Notice seeking information on research related to molecular-scale information storage and computation. DARPA is interested in responses in two areas: (1) strategies for the rapid synthesis and sequencing (read/write) of polymers for ultradense information storage that can carry out computational operations, and (2) theoretical foundations and/or computing applications that may benefit from the flexibility and highly parallel nature of such chemical systems (e.g., data-intensive functions, digital and analog capability, probabilistic computation, etc.).

Responses are accepted through January 4, 2017.

LINKS: FBO

NASA Federal Advisory Committees; Notice of Establishment Pursuant to the Federal Advisory Committee Act

National Aeronautics and Space Administration (NASA)

Notice announcing the establishment of five NASA Federal advisory committees: Astrophysics Advisory Committee; Heliophysics Advisory Committee; Earth Science Advisory Committee; Planetary Science Advisory Committee; Human Exploration and Operations Research Advisory Committee.

The five NASA Federal advisory committees will function solely as advisory bodies and will be filled with individual subject-matter experts.

LINKS: Federal Register

14th Annual P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet

Environmental Protection Agency (EPA)

Notice seeking applications for EPA’s P3 award program proposing research, develop, and design solutions to real world challenges involving sustainability. Research areas are energy, built environment, materials and chemicals, and water.

Applications are due February 3, 2017. Approximately $900,000 is available to support 32 awards.

LINKS: Grants.gov (Materials and Chemicals), Grants.gov (Energy), Agency Site
Energy-Efficient Computing: from Devices to Architectures

National Science Foundation (NSF)

Notice seeking proposals to maximize the potential for successfully identifying and implementing revolutionary solutions to break through the bottleneck of energy-constrained computational performance. Programmers, system architects, circuit designers, chip processing engineers, material scientists, and computational chemists must all explore these new paths together to co-design an optimal solution path.

Proposals are due March 7, 2017. Approximately $6 million is available to support up to eight awards.

LINKS: Grants.gov, Solicitation

Facsimile Appearance to Create Energy Savings (FACES)

Department of Energy (Energy)

Notice seeking applications to develop advanced information technologies which will dramatically reduce the need to travel for the purpose of communication, thereby reducing travel-related energy consumption and its associated greenhouse gas emissions, as well as increasing the efficiency of energy use and improving economic security.

Concept papers are due January 17, 2017. Approximately $9.5 million is available.

LINKS: Grants.gov, Solicitation

Innovations at the Nexus of Food, Energy and Water Systems (INFEWS)

National Science Foundation (NSF), Multiple Directorates

Notice seeking applications supporting INFEWS system modeling; visualization and decision support for cyber-human-physical systems; and research to enable innovative system solutions.

Applications are due March 6, 2017. Approximately $40 million is available to support up to 30 awards.

LINKS: Grants.gov, Solicitation

Limited Competition: Revision Application for the Human Islet Research Network Coordinating Center (U01)

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

Notice seeking applications to support additional pilot projects that will seed new and innovative research collaborations, and that will expand the development of novel shared resources required by Human Islet Research Network Coordinating Center (HIRN-CC) investigators and the community. NIDDK uses the cooperative agreement funding mechanism supporting the HIRN-CC for a variety of projects requiring significant input from and oversight by NIDDK program staff.

Optional letters of intent are due February 15, 2017. Applications are due March 15, 2017. Approximately $5 million is available to support one award.

LIMITED SUBMISSION: Only one application per institution is allowed.

LINKS: Grants.gov, Solicitation
NIST Public Safety Innovation Accelerator Program

National Institute of Standards and Technology (NIST), Department of Commerce (Commerce)

Notice seeking applications for activities to accelerate research, development, production, and testing of key broadband technologies and capabilities for first responders.

Applications are due February 28, 2017. Approximately $30 million is available.

LINKS: Grants.gov

Summer Undergraduate Research Fellowship (SURF) Program: SURF operating on the Boulder, Colorado campus (SURF Boulder) and the Gaithersburg, Maryland campus (SURF Gaithersburg)

National Institute of Standards and Technology (NIST), Department of Commerce (Commerce)

Notice seeking applications for the SURF program that provides an opportunity for the NIST laboratories to encourage outstanding undergraduate students to pursue careers in science and engineering. The objective of the SURF Program is to build a mutually beneficial relationship among the student, the academic institution, and NIST.

Applications are due February 15, 2017. Approximately $1.8 million is available.

LINKS: Grants.gov

Federal Advisory Committee Act; Communications Security, Reliability, and Interoperability Council

Federal Communications Commission (FCC)

Notice announcing a meeting of the Communications Security, Reliability, and Interoperability Council.

The meeting will be held on December 21, 2016 from 1:00 pm to 5:00 pm ET at Room TW-C305 (Commission Meeting Room), 445 12th Street SW., Washington, DC.

LINKS: Federal Register

Framework for a Federal Strategic Plan for Soil Science

Office of Science and Technology Policy (OSTP)

Notice seeking comments on the Soil Science Interagency Working Group (SSIWG) to develop a framework for a federal strategic plan for soil science.

Comments will be accepted through January 10, 2017.

LINKS: Federal Register

National Advisory Committee on Microbiological Criteria for Foods

United States Department of Agriculture (USDA), Food Safety and Inspection Service

Notice soliciting nominations for membership on the National Advisory Committee on Microbiological Criteria for Foods. There are 15 vacancies; members serve a two-year term, renewable for two consecutive terms. Nominees with scientific expertise in the fields of microbiology, epidemiology, food technology (food, clinical, and predictive), toxicology, risk assessment, infectious disease, biostatistics, and other related sciences are sought. Materials are due January 6, 2017 via instructions in the notice.

LINKS: Federal Register
National Aeronautics and Space Administration (NASA) Centennial Challenges Program - Sample Return Robot Virtual Challenge Request for Information (RFI)

National Aeronautics and Space Administration (NASA)

Notice announcing request for information to gather feedback on the competition being considered, the prize amounts and distribution structure; to determine the interest level in potentially competing in this challenge; and gather feedback on the competition rules.

Responses are due January 20, 2017.

LINKS: FBO

National Aeronautics and Space Administration (NASA) Centennial Challenges Program Life Detection Challenge Request For Information (RFI)

National Aeronautics and Space Administration (NASA), Space Technology Mission Directorate

Notice seeking input on a life detection challenge proposed to start in 2017. The challenge focuses on building and demonstrating a scientific instrument capable of detecting evidence of Earth-type life in a small (10 mL) liquid sample provided to the instrument. This RFI seeks: (1) to gather feedback on the competition being considered, including the challenge goal, prize amounts, and competition structure (including parameters and evaluation criteria); (2) to determine the interest level in potentially competing in this challenge; and (3) to determine the interest level in administering the challenge (as an allied organization).

Comments are due by January 27, 2017 via email per directions in notice.

LINKS: FBO