General

Evidence Based Decision Making in State and Local Jurisdictions: Initiative Review
Department of Justice - National Institute of Corrections
Due Date: 7/6/2020
https://www.grants.gov/web/grants/view-opportunity.html?oppId=327287

The overarching goal of the Evidence Based Decision Making (EBDM) initiative is to establish and test articulated linkages (information tools and protocols) between the decisions of local criminal justice stakeholders and the application of human and organizational change principles (evidence-based practices) in achieving measurable reductions in pretrial misconduct and post-conviction risk of reoffending. The unique focus of the EBDM initiative is the review of locally developed criminal justice strategies that guide practice within existing statues and rules. The initiative intends to (1) improve the quality of information that jurisdictions use to make individual case decisions in local systems and (2) engage these systems as policymaking bodies to collectively improve the effectiveness and capacity of their decision making related to pretrial release/sentencing options. Local officials involved in the initiative included: judges, prosecutors, public defenders, police, human service providers, county executives, and administrators of jail, probation, and pretrial services agencies.

Fomenting research partnerships between the U.S. and the D.R.
Department of State - U.S. Mission to the Dominican Republic
Due Date: 7/6/2020
https://www.grants.gov/web/grants/view-opportunity.html?oppId=327465

The Public Affairs Section (PAS) of the U.S. Embassy in Santo Domingo announces an open competition to support effective partnerships that will bolster and leverage U.S. - Dominican Republic higher education research collaboration and capacity building focused on issues exacerbated by the COVID-19 pandemic, including gender-based violence, public health, and access to education for vulnerable populations. Proposals should include at least one U.S. higher education institution and one Dominican higher education institution as joint implementers. The proposal should support the development of a sustainable and long lasting partnership between U.S. and Dominican higher education institutions and training and capacity building for Dominican students, faculty, and researchers.
YSEALI Regional Workshop: "Enhancing ASEAN Human Capital in Health"
Department of State - U.S. Mission to Vietnam
Due Date: 7/13/2020
https://www.grants.gov/web/grants/view-opportunity.html?oppId=327382

U.S. Embassy Hanoi announces an open competition for organizations to submit applications to design, plan, and implement a three-day workshop (not inclusive of travel dates) in Hanoi, Vietnam for the Young Southeast Asian Leaders Initiative (YSEALI), pending the availability of funds. The three-day workshop in May 2021 will gather approximately 50-80 participants between 20-30 years of age from all ten ASEAN member states and Timor-Leste around the theme, “Enhancing ASEAN Human Capital in Health.” YSEALI is the U.S. government’s signature initiative to strengthen partnerships with emerging leaders in ASEAN member states (Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Vietnam) and Timor-Leste. Program participants are encouraged to work across national borders to solve regional challenges, encompassed by the four pillars of YSEALI – economic growth, sustainable development, education, and civic engagement – and to strengthen the U.S.-ASEAN partnership. Through a variety of programs and engagements, YSEALI seeks to build the leadership capabilities of youth in the region, strengthen ties between the United States and Southeast Asia, and nurture a community of leaders who work across borders to solve shared issues.

Real-Time Transit Infrastructure and Rolling Stock Condition Assessment Demonstration Program
Department of Transportation - DOT/Federal Transit Administration
Due Date: 7/17/2020
https://www.grants.gov/web/grants/view-opportunity.html?oppId=327355

Notice of Funding Opportunity for Real-Time Transit Infrastructure and Rolling Stock Condition Assessment Demonstration Program. The Federal Transit Administration (FTA) announces the availability of $1.25 Million Public Transportation Innovation funds to projects that demonstrate innovative, effective approaches, practices, partnerships, and technologies that enhance public transportation effectiveness, increase efficiency, expand quality, promote safety, and improve the traveler’s experience. FTA is seeking applications for demonstration projects that deploy cutting edge technologies to provide real-time assessment of transit infrastructure and rolling stock conditions. The major goals of this program are to enhance asset management of infrastructure and safety through innovative technologies and allow a more effective way for transit agencies to assess, detect, monitor and track deficiencies and defects related to transit infrastructure.

U.S. Consulate General Naha Annual Program
Department of State – U.S. Mission to Japan
Due Date: 08/01/2020
https://www.grants.gov/web/grants/view-opportunity.html?oppId=323093

PAS Naha invites Statement of Interest (SOI) for projects that strengthen cultural ties between the U.S. and Japan with an emphasis on Okinawa through cultural and exchange programming that highlights shared values and pro-motes bilateral cooperation. All programs must include an American cultural element, or connection with American expert/s, organization/s, or institution/s in a specific field that will promote increased understanding of U.S. policy and perspectives. All programs must take place on Okinawa or creates opportunities for residents of Okinawa. Examples of PAS Small Grants Program projects include, but are not limited to: Academic and professional lectures, seminars and speaker programs; Artistic and cultural workshops, joint performances and exhibitions; or Professional and academic exchanges and projects.
NRL Long Range Broad Agency (BAA) for Basic and Applied Research
Department of Defense – Naval Research Laboratory
Due Date: 09/05/2020
https://www.grants.gov/web/grants/view-opportunity.html?oppId=320355

The NRL’s Broad Agency Announcement (BAA) issued under the provisions of paragraphs 35.016 and 6.102(d)(2) of the Federal Acquisition Regulations (FAR). Proposals may range from theoretical studies to proof-of-concept to include fabrication and delivery of a prototype. However, this is limited to research procurements for which it would be impossible to draft an adequate RFP in sufficient detail without restraining the technical response and thus hindering competition rather than expanding it. BAA topics include all NRL sites located in the Washington, DC area, the Stennis Space Center, MS, and Monterey, CA. Proposals submitted in response to a BAA announcement that are selected for award are considered to be the result of full and open competition and are in full compliance with the provisions of Public Law 98-369, "The Competition in Contracting Act of 1984."

Youth Engagement, Education, and Employment
Department of the Interior – Fish and Wildlife Service
Due Date: 09/15/2020
https://www.grants.gov/web/grants/view-opportunity.html?oppId=323101

The U.S. Fish and Wildlife Service's (USFWS or Service) National Wildlife Refuge System (NWRS) is accepting proposals from non-profit, state, and local government youth and veteran serving organizations with the interest and capacity to work cooperatively with the USFWS to develop introductory educational experiences in natural resource careers to young people and veterans, including culturally, ethnically and economically diverse students, and under-served communities that traditionally have low participation in outdoor recreation activities through hands-on experience and mentoring at a variety of USFWS programs including but not limited to, national wildlife refuges, fish hatcheries, and ecological services offices. Under this program, individuals and/or groups of youth, young adults, and veterans: Will be introduced to natural resource careers through hands-on work with, and training by, natural resource professionals employed by the USFWS may be given the opportunity to serve both seasonal and or year-round assignments. Will enhance conservation stewardship; increase outdoor recreation opportunities for all Americans and improve the management of game species and their habitats for this generation and beyond. Will be introduced to various real-world conservation and rehabilitation activities such as invasive species management, habitat restoration, wildlife management, public education and interpretation, disaster response and mitigation, and communications, mixed with informal and formal training sessions directed by USFWS employees during assignments. Will enhance and expand public access to lands and waters. Will be provided feedback for their future growth and may receive consideration for future employment with the USFWS.
NSF Dynamic Language Infrastructure – NEH Documenting Endangered Languages
National Science Foundation
Due Date: 09/15/2020
https://www.grants.gov/web/grants/view-opportunity.html?oppId=320854

This funding partnership between the National Science Foundation (NSF) and the National Endowment for the Humanities (NEH) supports projects to develop and advance knowledge concerning dynamic language infrastructure in the context of endangered human languages—languages that are both understudied and at risk of falling out of use. Made urgent by the imminent loss of roughly half of the approximately 7000 currently used languages, this effort aims to exploit advances in information technology to build computational infrastructure for endangered language research. The program supports projects that contribute to data management and archiving, and to the development of the next generation of researchers. Funding can support fieldwork and other activities relevant to the digital recording, documentation and analysis, and archiving of endangered language data, including the preparation of lexicons, grammars, text samples, and databases. Funding will be available in the form of one- to three-year senior research grants, fellowships from six to twelve months, and conference proposals.

NIH Directors Transformative Research Awards (R01 Clinical Trial Optional)
Department of Health and Human Services - National Institutes of Health
Due Date: 9/30/2020
https://www.grants.gov/web/grants/view-opportunity.html?oppId=327295

The NIH Directors Transformative Research Award Program supports individual scientists or groups of scientists proposing groundbreaking, exceptionally innovative, original, and/or unconventional research with the potential to create new scientific paradigms, establish entirely new and improved clinical approaches, or develop transformative technologies. For the program to support the best possible researchers and research, applications are sought which reflect the full diversity of the research workforce. Individuals from diverse backgrounds and from the full spectrum of eligible institutions in all geographic locations are strongly encouraged to apply to this Funding Opportunity Announcement. In addition, applications in all topics relevant to the broad mission of NIH are welcome, including, but not limited to, topics in the behavioral, social, biomedical, applied, and formal sciences and topics that may involve basic, translational, or clinical research. No preliminary data are required. Projects must clearly demonstrate, based on the strength of the logic, a compelling potential to produce a major impact in a broad area of relevance to the NIH. The NIH Directors Transformative Research Award is a component of the High-Risk, High-Reward Research program of the NIH Common Fund.

Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science & Technology
Department of Defense – Office of Naval Research
Due Date: 09/30/2020
https://www.grants.gov/web/grants/view-opportunity.html?oppId=321039

The Office of Naval Research (ONR), ONR Global, and the Marine Corps Warfighting Lab (MCWL) are interested in receiving proposals for Long-Range Science and Technology (S&T) Projects which offer potential for advancement and improvement of Navy and Marine Corps operations. Readers should note that this is an announcement to declare ONR’s broad role in competitive funding of meritorious research across a spectrum of science and engineering disciplines.
The U.S. Embassy Zimbabwe, Public Affairs Section is seeking proposals for projects throughout the fiscal year that; promote educational and cultural exchange, build the rule of law and fiscal transparency, encourage civic discourse and action against violence and corruption, support professionalization of the media, promote freedom of expression and information encourage entrepreneurship, economic growth, innovation and sound business practices, empower women and youth with specific knowledge of women’s rights and skills to enhance economic advancement, promote social inclusion and tolerance of underserved communities such as disabled persons, minority ethnic groups, LGBTQI, and those in remote rural areas, promote greater health awareness and livelihoods in HIV prevention and AIDS treatment, promote natural resource management and sustainable environmental practices including mitigation against climate change, combat the trafficking of animals, humans, and illicit materials and substances.

The purpose of this program is to support research, education/teaching, and extension projects that increase participation by women and underrepresented minorities from rural areas in STEM. NIFA intends this program to address educational needs within broadly defined areas of food, agriculture, natural resources, and human (FANH) sciences. Applications recommended for funding must highlight and emphasize the development of a competent and qualified workforce in the FAHN sciences. WAMS-funded projects improve the economic health and viability of rural communities by developing research and extension initiatives that focus on new and emerging employment opportunities in STEM occupations. Projects that contribute to the economic viability of rural communities are also encouraged.

The OppNet Research Career Enhancement Award (K18) program invites applications from investigators who strive to expand their research trajectories through the acquisition of new knowledge and skills in the areas of basic psychological processes, sociological processes, and/or biomedical pathways expertise that is beyond and enhances their current areas of expertise. The program will support research training and career development experiences and a small-scale research project that will provide experienced investigators with the scientific competencies required to conduct independent research projects that more thoroughly investigate interrelationships among behavioral, biological, endocrine, epigenetic, immune, inflammatory, neurological, psychological, and/or social processes. Eligible candidates are independent investigators at mid-career faculty rank or level.
The Environmental Engineering program is part of the Environmental Engineering and Sustainability cluster, which also includes 1) the Nanoscale Interactions program; and 2) the Environmental Sustainability program. Environmental engineering is an interdisciplinary field that applies chemical, biological, and physical scientific principles to protect human and ecological health. The goal of the Environmental Engineering program is to support potentially transformative fundamental research that applies scientific and engineering principles to 1) prevent, minimize, or re-use solid, liquid, and gaseous discharges of pollution to soil, water, and air by closing resource loops or through other measures; 2) mitigate the ecological and human-health impacts of such releases by smart/adaptive/reactive amendments or manipulation of the environment, and 3) remediate polluted environments through engineered chemical, biological, and/or geo-physical processes. Integral to achieving these goals is a fundamental understanding of the transport and biogeochemical reactivity of pollutants in the environment. Therefore, research on environmental micro/biology, environmental chemistry, and environmental geophysics may be relevant providing the research has a clear objective of protecting human and ecological health.

Support of Competitive Research (SCORE) Research Continuance Award
Department of Health and Human Services – National Institutes of Health
Due Date: Ongoing
https://www.grants.gov/web/grants/view-opportunity.html?oppId=321893

The SCORE Program is a developmental program designed to increase the research competitiveness of faculty and the research base at institutions with an explicitly stated historical mission and/or a demonstrated track record within the previous 10 years of training and graduating students from backgrounds underrepresented in biomedical re-search. Eligible institutions must award science degrees to undergraduate (B.S. or B.A.) and/or graduate students (M.S. or Ph.D.) and have received less than 6 million dollars per year of NIH R01 support (total costs) in each of the last 2 fiscal years.

AHRQ Mentored Research Scientist Career Development Award
Department of Health and Human Services – Agency for Health Care Research and Quality
Due Date: Ongoing
https://www.grants.gov/web/grants/view-opportunity.html?oppId=322822

The primary purpose of the AHRQ Mentored Research Scientist Career Development Awards (K01) program is to help ensure that a diverse pool of highly trained scientists is available in appropriate scientific disciplines to address the Nation's health services research needs. This AHRQ program provides support and protected time to individuals with a research doctoral degree for an intensive, supervised research career development experience in health services research. The K01 award can be used both by individuals who propose to newly embark in health services re-search training and those who had a hiatus in their research careers because of illness or family circumstances.
AMO supports innovative, advanced-manufacturing applied research and development (R&D) projects that focus on specific, high-impact manufacturing technology and process challenges. AMO invests in foundational, energy-related, advanced-manufacturing processes (where energy costs are a determinant of competitive manufacturing) and broadly applicable platform technologies (the enabling base upon which other systems and applications can be developed). The competitively selected projects from this FOA will focus on developing next-generation manufacturing material, information, and process technologies that improve energy efficiency in energy-intensive and energy-dependent processes, and facilitate the transition of emerging, cost-competitive energy technologies to domestic production. AMO’s vision and mission, as well as the strategic goals, targets, and metrics for key technology focus areas, are described in the Draft AMO Multi-Year Program Plan (MYPP) available at: https://www.energy.gov/eere/amo/downloads/advanced-manufacturing-office-amo-multi-year-program-plan-fiscal-years-2017. AMO’s strategic goals supported by this FOA are to: Improve the productivity and energy efficiency of U.S. manufacturing; Reduce lifecycle energy and resource impacts of manufactured goods; Leverage diverse domestic energy resources in U.S. manufacturing, while strengthening environmental stewardship; Transition DOE supported innovative technologies and practices into U.S. manufacturing capabilities; Strengthen and advance the U.S. manufacturing workforce. This FOA integrates identified research opportunities across AMO into a single funding opportunity. AMO intends to fund high-impact, early- to mid-stage applied research through this FOA. Topics are organized in 3 main topic areas, as described below, with subtopics in each area. Topic 1: Efficiency Improvements in Advanced Manufacturing Processes Subtopic 1.1: Innovative Iron and Steelmaking Processes Subtopic 1.2: Enhanced Efficiency of Drying Processes Subtopic 1.3: Machine Learning to Increase Efficiencies in the Manufacturing of Large-Scale, High-Rate Aerostructures Subtopic 1.4: Integrated Additive Manufacturing Processes for Advanced Wind Blade Production Subtopic 1.5: Reducing Cost of Production of Ceramic Matrix Composites Used in High Temperature Applications. Topic 2: Efficiency Improvements in Chemical Manufacturing Subtopic 2.1: Advanced Chemical Manufacturing R&D Subtopic 2.2: Dynamic Catalyst Science with Data Analytics Topic 3: Connected, Flexible, and Efficient Manufacturing Facilities, Products, and Energy Systems Subtopic 3.1: Integrating Carbon Capture and Utilization into Industrial Processes Subtopic 3.2: Flexible CHP Demonstration in a District Energy System Integrated with a Renewably-Fueled Municipal Generating Station.

Secure and Trustworthy Cyberspace (SaTC)
National Science Foundation
Due Date: Ongoing

In today’s increasingly networked, distributed, and asynchronous world, cybersecurity involves hardware, software, networks, data, people, and integration with the physical world. Society’s overwhelming reliance on this complex cyberspace, however, has exposed its fragility and vulnerabilities that defy existing cyber-defense measures; corporations, agencies, national infrastructure and individuals continue to suffer cyber-attacks. Achieving a truly secure cyber-space requires addressing both challenging scientific and engineering problems involving many components of a system, and vulnerabilities that stem from human behaviors and choices. (Continued on next page.)
Examining the fundamentals of security and privacy as a multidisciplinary subject can lead to fundamentally new ways to design, build and operate cyber systems, protect existing infrastructure, and motivate and educate individuals about cybersecurity. The goals of the SaTC program are aligned with the National Science and Technology Council’s (NSTC) Federal Cybersecurity Research and Development Strategic Plan (RDSP) and National Privacy Research Strategy (NPRS) to protect and preserve the growing social and economic benefits of cyber systems while ensuring security and privacy. The RDSP identified six areas critical to successful cybersecurity research and development: (1) scientific foundations; (2) risk management; (3) human aspects; (4) transitioning successful research into practice; (5) workforce development; and (6) enhancing the research infrastructure. The NPRS, which complements the RDSP, identifies a framework for privacy research, anchored in characterizing privacy expectations, understanding privacy violations, engineering privacy-protecting systems, and recovering from privacy violations. In alignment with the objectives in both strategic plans, the SaTC program takes an interdisciplinary, comprehensive and holistic approach to cybersecurity research, development, and education, and encourages the transition of promising research ideas into practice. The SaTC program welcomes proposals that address cybersecurity and privacy, and draw on expertise in one or more of these areas: computing, communication and information sciences; engineering; education; mathematics; statistics; and social, behavioral, and economic sciences. Proposals that advance the field of cybersecurity and privacy within a single discipline or interdisciplinary efforts that span multiple disciplines are each welcome. Proposals must be submitted pursuant to one of the following designations, each of which may have additional restrictions and administrative obligations as specified in this program solicitation. CORE: This designation is the main focus of the SaTC research program, spanning the interests of NSF’s Directorates for Computer and Information Science and Engineering (CISE), Engineering (ENG), Mathematical and Physical Sciences (MPS), and Social, Behavioral and Economic Sciences (SBE). EDU: The Education (EDU) designation will be used to label proposals focusing entirely on cybersecurity education. TTP: The Transition to Practice (TTP) designation will be used to label proposals that are focused exclusively on transitioning existing research results to practice.