

## UNO FOCUS:

eXploration Systems and Habitation (X-Hab) 2019 Academic Innovation Challenge  
National Space Grant Foundation

The Advanced Exploration Systems (AES) Division will offer multiple awards of \$15k - \$50k each to design and produce studies or functional products of interest to the AES Division as proposed by university teams according to their interests and expertise. The prototypes produced by the university teams may be integrated into existing NASA-built operational prototypes.

Universities interested in participating will submit X-Hab proposals by April 27, which will be reviewed by technical experts; subsequent down-selection will determine which projects will be funded. X-Hab university teams will be required to complete their products for evaluation by the AES Division in May 2019.

Universities may form collaborations to perform as a single distributed project team.  
Instructions/Requirements

LINKS: [National Space Grant Foundation](#)

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Thomas Jefferson Fund Call for Proposals  
Embassy of France in the United States, The FACE Foundation

This program aims to encourage and support cooperation among the most promising young French and American researchers and to foster forward-looking collaborative research projects. Each selected French-American project will receive up to \$20,000 over a period of two years.

Applications will be accepted in Humanities and Social Sciences (HSS), Science, Technology, Engineering and Mathematics (STEM), Science for Society (interdisciplinary STEM-HSS projects). Proposals will be due March 5, 2019 by noon EST.

LINKS: [FACE Foundation](#)

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Gulf of Mexico Oyster Aquaculture Consortia FY2019 Funding Opportunity  
Gulf States Marine Fisheries Commission

The Gulf States Marine Fisheries Commission is seeking proposals to form regionally focused research consortia that will address critical research needs surrounding oyster aquaculture. The Gulf Commission is making approximately \$840,000 available annually for the funding period of August 1, 2019 to July 31, 2024 (dependent on appropriations) available to support ongoing research for off-bottom oyster production in coastal areas of the U.S. Gulf of Mexico.

Pre-proposals must be submitted as a single file by e-mail no later than 5:00 p.m. CST on Friday, March 15, 2019.

LINKS: [GSMFC](#)

## ARTS, HUMANITIES, and INTERNATIONAL

Building Interfaith Bridges  
Department of State (State), U.S. Mission to Kenya

Notice seeking applications that will use arts, sports, team-building, and/or other creative means to build bridges between members of different faith communities in Kenya. More specifically, the project will connect participants through in-person and digital exchanges, activities, and dialogue. These individuals should comprise at least 200 participants from a mix of genders, backgrounds, and ages, and no one faith community should make up more than two-thirds of the participants. The priority regions for this project are

Nairobi, northeastern Kenya, and the Kenyan coast.

Applications are due March 1, 2019. Approximately \$50,000 is available for one award.

Limited Submission: One application per organization.

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

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Fulbright-Hays Doctoral Dissertation Research Abroad  
Department of Education (Education), Office of Postsecondary Education (OPE)

Notice seeking grants for colleges and universities to fund individual doctoral students who conduct research in other countries, in modern foreign languages and area studies for periods of six to 12 months.

Applications are due March 25, 2019. Approximately \$3.4 million is available for 90 awards.

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

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Fulbright-Hays Group Projects Abroad (GPA) Long-Term Project CFDA Number 84.021B, Short-Term Project CFDA Number 84.021A  
Department of Education (Education), Office of Postsecondary Education (OPE)

Notice seeking applications to support overseas projects in training, research, and curriculum development in modern foreign languages and area studies for teachers, students, and faculty engaged in a common endeavor. Projects may include short-term (seminars, curriculum development teams, and group research or study projects) and long-term projects (advanced overseas intensive language projects).

Applications are due March 25, 2019. Approximately \$1 million is available for 10 short-term awards and \$1.6 million for 15 long-term awards.

Limited Submission: Applicants may submit only one short-term or one long-term application.

LINKS: [Grants.gov \(Long-term\)](https://www.grants.gov), [Grants.gov \(Short-term\)](https://www.grants.gov), [Solicitation](#)

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U.S. Embassy Alumni Day  
Department of State (State), U.S. Mission to Iraq

Notice announcing funding available for a project to organize an Alumni Day in Baghdad. In cooperation with the U.S. Embassy, this project will bring together approximately 100 alumni of U.S. Government-funded exchange programs for a one-day conference that will include networking opportunities and presentations on topics of interest to this community (e.g. entrepreneurship, employment, STEM, religious pluralism, and/or women's empowerment). U.S. Embassy representatives will be closely involved in the planning and execution of the program and will coordinate with the awardee to select the venue and identify speakers.

Proposals are due February 25, 2019. Approximately \$75,000 is available for one award.

Limited Submission: One proposal per organization.

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

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2019 Iraq, Jordan, Lebanon, and Turkey  
Department of State (State), Bureau of Population Refugees and Migration (PRM)

Notice seeking proposals support refugees and other vulnerable populations in Iraq, Jordan, Lebanon, and

Turkey. With the exception of Iraq, proposal activities are restricted to beneficiaries living outside of government – or United Nations High Commissioner for Refugees (UNHCR) – run camps.

Proposals are due March 25, 2019. The number of awards and award amounts vary by region.

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

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2019 South Sudan  
Department of State (State)

Notice seeking applications to support refugees in the legacy Unity and Upper Nile states of South Sudan. Projects must include a target beneficiary base of at least 50 percent of refugees.

Applications are due March 1, 2019 at 12:00 p.m. ET. Between \$500,000 and \$1.5 million is available to fund one award for one to three years.

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

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Combat Wildlife Trafficking in Brazil  
Department of State (State)

Notices seeking applications to build Brazil's capacity to deter, detect, investigate, prosecute, and adjudicate wildlife poaching and trafficking cases. The scope includes the facilitative financial crimes (e.g., money laundering and corruption) that enable poaching and trafficking networks. Proposals should identify gaps, determine strategies to address those gaps, and if applicable, build upon existing and previous efforts in countries.

Applications are due March 29, 2019. Approximately \$750,000 is available to fund one award.

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

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DRL Human Rights, Democracy, and Rule of Law in Libya  
Department of State (State), Bureau of Democracy, Human Rights and Labor (DRL)

Notice seeking applications for projects that support Libyan-led justice and accountability efforts, and promote freedom of association, assembly, and expression. Long-term stability in Libya hinges on building accountable, inclusive governance institutions.

Applications are due March 15, 2019. Up to \$1.6 million per award is available to support two awards.

Limited Submission: Primary organizations can submit two applications.

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

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DRL Promoting Freedom of Expression in Tunisia  
Department of State (State), Bureau of Democracy Human Rights and Labor (DRL)

Notice seeking applications to support the effective implementation of the rights to free expression and access to information, as enshrined in Tunisia's Constitution.

Applications are due March 15, 2019. Up to \$800,000 per award is available to support one to two awards.

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

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FY 2019 Creative Arts Exchange  
Bureau of Educational and Cultural Affairs (ECA), Department of State (State)

Notice seeking applications for partnerships through artistic collaboration and professional development that enrich both the international participants and the Americans with whom they meet. Programs are implemented in close coordination with U.S. embassies and consulates abroad.

Applications are due April 1, 2019. Approximately \$2.4 million is available to support two awards.

Limited Submission: Applicants may submit only one proposal.

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

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FY2019 Kennedy-Lugar Youth Exchange and Study (YES) Program Overseas Components  
Bureau of Educational and Cultural Affairs (ECA), Department of State (State)

Notice seeking applications to advance the U.S. foreign policy goals of engaging youth populations and building civil society by providing physical, academic-year exchanges, and building lasting ties between foreign and U.S. high school students and the communities that host them. The program consists of two components: (1) the YES inbound program that brings international high school students to the United States, and (2) the YES Abroad program that sends American high school students to select YES countries.

Applications are due April 1, 2019. Approximately \$17.03 million is available to support one award. Organizations with less than four years of experience in conducting international exchanges are ineligible to apply under this competition.

LINKS: [Grants.gov](#)

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Notice of Funding Opportunity - PAS Beirut  
Department of State (State), U.S. Mission to Lebanon

Notice seeking applications that promote the following themes: Youth engagement in community development; Culture and the arts as tools to promote freedom of expression, youth engagement, and/or economic advancement; Freedom of speech, transparency, and democratic values; and Alumni engagement in community service initiatives (Note: projects proposing alumni networking without a broader community service purpose are not likely to receive funding).

Applications are due March 1, 2019. Approximately \$250,000 is available to support 5 to 10 awards.

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

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PAS Beirut-English Language Small Grants  
Department of State (State), U.S. Mission to Lebanon

Notice seeking applications that promote English language education through youth engagement, community service, Science Technology English Math (STEM), English for Specific Purposes (ESP) or other relevant activities.

Applications are due March 1, 2019. Approximately \$30,000 is available to support one to three awards.

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

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Public Diplomacy Programming in the People's Republic of China

Department of State (State), U.S. Mission to China

Notice seeking applications to carry out programs in support of activities that explain U.S. foreign policy, values, and culture to the people of China.

Applications are due March 15, 2019. Up to \$150,000 per project is available.

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

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Strengthening Rule of Law through Capacity Building for the Defense Bar  
Bureau of International Narcotics and Law Enforcement Affairs (INL), Department of State (State)

Notice seeking applications to strengthen and promote the rule of law and facilitate a stable criminal justice system in Indonesia by bolstering the capacity of existing bar and legal aid associations to provide advocacy, training, and on-going professional development for defense attorneys.

Applications are due March 29, 2019. Up to \$1 million is available.

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

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U.S. Embassy New Delhi PAS Annual Program Statement  
Department of State (State)

Notice seeking proposals for programs that strengthen cultural ties between the U.S. and India through cultural and exchange programming that highlights shared values and promotes 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.

Proposals will be accepted until December 31, 2019. Multiple awards are anticipated with a per-award ceiling of \$50,000.

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

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US Embassy Prague Small Grants  
Department of State (State), U.S. Mission to the Czech Republic

Notice seeking applications to carry out programs with outstanding merit that support the U.S. Government's broad goals of fostering mutual cooperation between the United States and the Czech Republic.

Applications are due March 31, 2019. Award may range from \$3,000 to \$20,000 for 24 months.

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

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Public Quarterly Meeting of the Board of Directors  
African Development Foundation (ADF)

Notice announcing a meeting of the Board of Directors of the African Development Foundation to discuss the agency's programs and administration.

The meeting will be held February 5, 2019 from 10:00 a.m. to 12:00 p.m. ET at 1400 I St. NW, Suite 1000, Washington, DC.

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

## EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Applications for New Awards; Fulbright-Hays Doctoral Dissertation Research Abroad Fellowship Program  
Department of Education (Education), International and Foreign Language Education (IFLE)

Notice seeking applications to provide opportunities for doctoral candidates to engage in dissertation research abroad in modern foreign languages and area studies. Research must focus on one or more of the following geographic areas: Africa, East Asia, Southeast Asia and the Pacific Islands, South Asia, the Near East, Central and Eastern Europe and Eurasia, and the Western Hemisphere (excluding the United States and its territories). There are two optional competitive preference priorities that provide additional points to applications: 1) Focus on Less Commonly Taught Languages - languages other than French, Spanish, or German; and 2) Thematic Focus on Academic Fields - science, technology, engineering, mathematics, computer science, education (comparative or international), international development, political science, public health, or economics.

Applications are due March 25, 2019. Approximately 90 awards ranging from \$15,000 to \$60,000 are available to support projects lasting up to 18 months.

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

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Applications for New Awards; Fulbright-Hays Group Projects Abroad Program  
Department of Education (Education), International and Foreign Language Education (IFLE)

Notice seeking applications to provide opportunities for faculty, teachers, and undergraduate and graduate students to conduct individual and group projects overseas to carry out research and study in the fields of modern foreign languages and area studies. Projects must focus on one or more of the following geographic regions of the world: Africa, East Asia, South Asia, Southeast Asia and the Pacific, the Western Hemisphere (Central and South America, Mexico, and the Caribbean), Eastern and Central Europe and Eurasia, and the Near East. There are also four optional competitive preference priorities that provide applications with additional points - see the solicitation for details.

Applications are due March 25, 2019. Approximately 10 short-term awards averaging \$80,059 are available to support projects lasting up to 18 months. Approximately 15 long-term awards averaging \$185,025 are available to support projects lasting up to 24 months.

LINKS: [Federal Register \(short-term and long-term projects\)](#), [Agency Site](#), [Grants.gov \(short-term projects\)](#)

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FY 2019 Intelligence Community Centers for Academic Excellence (IC CAE) Program  
Department of Defense (Defense), Defense Intelligence Agency (DIA)

Notice seeking applications to promote the acquisition of competitive talent to carry out America's long-term national security initiatives by creating a competitive, knowledgeable and diverse workforce.

Applications are due February 24, 2019. Approximately \$12 million is available for eight awards.

LINKS: [Grants.gov](#)

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Federal Perkins Loan, Federal Work-Study, and Federal Supplemental Educational Opportunity Grant Programs; 2019-20 Award Year Deadline Dates  
Department of Education (Education)

Notice announcing the deadlines for the submission of requests and documents from postsecondary institutions for the Federal Perkins Loan, Federal Work-Study, and Federal Supplemental Education

Opportunity Grant (collectively, the "Campus-Based programs").

See the Federal Register notice to view a table with deadlines by program.

LINKS: [Federal Register](#)

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Amazon Indigenous Rights and Resources Activity  
United States Agency for International Development (USAID), Peru USAID-Lima

Notice seeking applications to improve participation of indigenous peoples in the sustainable economic development of the Amazon, ultimately leading to the conservation of biodiversity and reduced emissions from forest loss.

Applications are due March 12, 2019. Approximately \$18 million is available to support one award over a five-year period.

LINKS: [Grants.gov](#)

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Coordination and Development of Habitat Projects in the Upper Columbia  
Department of the Interior (Interior), Bureau of Reclamation - Pacific Northwest Region

Notice seeking applications to (1) support and participate in processes that prioritize and encourage habitat improvement actions, (2) identify and develop high priority habitat improvement opportunities, (3) conduct implementation and compliance monitoring, (4) mesh research and monitoring efforts with implementation of projects, and (5) manage and share data.

Applications are due April 1, 2019. Approximately \$1.5 million per applicant is available.

LINKS: [Grants.gov](#)

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OVW FY 2019 Research and Evaluation Solicitation  
Office on Violence Against Women (OVW), Department of Justice (Justice)

Notice seeking applications to research and evaluate approaches to combatting domestic violence, sexual assault, dating violence, and stalking.

Optional letters of intent are due February 28, 2019. Applications are due March 25, 2019. Approximately \$2.5 million is available to support up to six awards.

LINKS: [Grants.gov](#)

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Specially Adapted Housing Assistive Technology (SAHAT) Grant Program  
Department of Veterans Affairs (VA), VA Loan Guaranty Service

Notice seeking applications to encourage the development of new assistive technologies for specially adapted housing. This notice is intended to provide applicants with the information necessary to apply for the SAHAT Grant Program.

Applications are due March 3, 2019. Up to \$1 million is available.

LINKS: [Grants.gov](#)

## HEALTH and MENTAL HEALTH

Biology of Bladder Cancer (R01, R21 Clinical Trial Optional)

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

Notice encouraging applications investigating the biology and underlying mechanisms of bladder cancer. Bladder cancer is a significant health problem both in the United States and globally. Because of the high incidence and frequent tumor recurrence, bladder cancer exacts an outsized medical burden. Applications that involve multidisciplinary teams and use clinical specimens or investigate both normal and cancer processes are encouraged.

Optional letters of intent are due 30 days prior to the due date. R01 applications are due February 5, June 5 and October 5 annually through May 8, 2022.

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

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Grants to Support New Investigators in Addressing Cross-Cutting Violence Prevention and Opioid Overdose Prevention

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

Notice seeking applications to investigate new and emerging public health issues focused on opioid overdose prevention with a focus on risk factors for and strategies to prevent opioid overdose. Investigators are encouraged to view the entire list of research areas at the NCIPC Research Priorities website: <https://www.cdc.gov/injury/researchpriorities/index.html>

Applications are due April 1, 2019. Approximately \$800,000 is available for up to four awards to support projects lasting up to two years (direct costs limited to 8%).

LINKS: [Grants.gov](#)

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HIV/AIDS Clinical Trials Networks Laboratory Centers (UM1 Clinical Trial Required)

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

Notice soliciting applications for HIV/AIDS Clinical Trials Networks Laboratory Centers (LCs). Each LC will be responsible for providing a framework for laboratory leadership, structure and activities that contribute to the development and execution of the laboratory elements of NIAID HIV/AIDS Clinical Trials Networks research agendas.

Optional: Letters of intents are due 30 days before the application due date. Applications are due August 1, 2019. Several companion opportunities available with the same deadline.

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

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Limited Competition for a Connectome Coordination Facility (R24 Clinical Trial Not Allowed)

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

Notice seeking applications to maintain a central data repository for Human Connectome data that includes helpdesk service support for investigators and capabilities to check quality control and harmonize data from existing Connectome awardees.

Applications are due June 24, 2019. Approximately \$7 million is available to support one award through 2023.

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

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Mechanistic studies on chronic alcohol use and sleep homeostasis (R01 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice encouraging applications to conduct mechanistic studies on the relationships between sleep problems and alcohol dependence. A major impediment for recovery from alcohol use disorder (AUD) is the persistent sleep problems during abstinence promoting relapse. The objective of this FOA is to promote research in animal models and human subjects on the reciprocal relationships between chronic alcohol use and sleep disruptions. The major goal is to understand the underlying mechanisms that will lead to improved treatments for alcohol dependence.

Optional letters of intent are due March 17, 2019. Applications are due April 17, 2019. Approximately \$2.5 million is available for six awards.

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

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Network of Forecasting Centers to Improve Forecast Accuracy and Communication for Seasonal and Pandemic Influenza  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking applications to advance the accuracy and communication of seasonal and pandemic influenza forecasts by establishing a network of Influenza Forecasting Centers of Excellence that will conduct research to improve the accuracy and communication of real-time probabilistic forecasts of seasonal and pandemic influenza activity at the national, regional, and state levels.

Letters of intent are due March 3, 2019. Applications are due April 4, 2019. Approximately \$17.5 million is available for up to five awards to support projects lasting up to five years.

LINKS: [Grants.gov](#)

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NHLBI Outstanding Investigator Award (OIA) (R35 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Heart, Lung, and Blood Institute (NHLBI)

Notice seeking applications to promote scientific productivity and innovation by providing long-term support and increased flexibility to experienced Program Directors/Principal Investigators (PD/PIs) who are currently PD/PIs on at least two NHLBI R01-equivalent awards and whose outstanding record of research demonstrates their ability to make major contributions to heart, lung, blood and sleep (HLBS) research.

Optional letter of intent are due 30 days prior to the application due date. Applications are due March 14, 2019; February 14, 2020; February 15, 2021 through April 16, 2021. Approximately \$17 million is available for multiple awards through 2022.

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

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Progression Markers for Cognitive Impairment in Parkinson's Disease Dementia (R01 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice encouraging applications that propose to identify biomarkers for onset and progression of cognitive impairment in Parkinson's Disease (PD) through Parkinson's Disease Dementia (PDD). The use of well-characterized populations of PD and PDD patients that have been, and can continue to be, followed longitudinally with clinical assessments and biospecimen collection to autopsy should be considered.

Applications are due March 8, 2019. Approximately \$5 million is available for five to seven awards.

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

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Provocative Questions (PQs) in Cancer with an Underlying HIV Infection (R01 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications to advance our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying HIV infection or Acquired Immune Deficiency Syndrome (AIDS). These PQs are not intended to represent the full range of NCI's priorities in HIV/AIDS-related cancer research. Rather, they are meant to challenge researchers to think about and elucidate specific problems and paradoxes in key areas of AIDS-related cancer research that are deemed important but have not received sufficient attention.

Optional LOIs are due prior to application due dates. Applications are due August 1, 2019 and August 3, 2020.

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

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Research Grants to Identify Effective Strategies for Opioid Overdose Prevention  
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking applications to identify effective strategies for state, community, and systems-level implementation to prevent fatal and nonfatal overdose from prescription and/or illicit opioids.

Letters of intent are due February 21, 2019. Applications are due April 8, 2019. Approximately \$30 million is available for up to 13 awards to support projects lasting up to three years.

LINKS: [Grants.gov](#)

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Targeted Capacity Expansion: Special Projects  
Substance Abuse and Mental Health Services Administration (SAMHSA), Department of Health and Human Services (HHS)

Notice seeking applications that develop and implement targeted strategies for substance use disorder treatment provision to address a specific population or area of focus identified by the community. The purpose of the TCE program is to address an unmet need or underserved population; this program aims to enable a community to identify the specific need or population it wishes to address through the provision of evidence-based substance use disorder treatment and/or recovery support services.

Applications are due March 25, 2019. Approximately \$8.3 million is available for 22 awards.

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

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Office of the Director, National Institutes of Health; Notice of Meeting  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice announcing a meeting of the NIH Clinical Center Research Hospital Board to discuss program policies.

The meeting will be held February 1, 2019 from 9:00 a.m. to 3:00 p.m., ET at the National Institutes of Health, Natcher Building, Conference Room D, 45 Center Drive Bethesda, MD.

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

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Optimizing Performance for Soldiers II: Androgen Therapy for Biomedical Performance Enhancement  
Army (Army), Department of Defense (Defense)

Notice seeking information on sources with the capability to provide androgen therapy for biomedical performance enhancement to optimize performance for soldiers. Vendors should be able to provide a state-of-the-art clinical research, analytical and intellectual capability and expertise. They should also be able to provide a comprehensive clinical study of the effects of supplemental testosterone during sustained military operational stress to include the effects of testosterone on gonadal status, body composition, skeletal muscle and whole-body protein balance, health biomarkers, and measures of muscle and cognitive function.

Responses are due February 7, 2019. Email responses to the contact with the subject heading “Androgen Therapy for Biomedical Performance Enhancement for Optimizing Performance for Soldiers – RFI Response”.

LINKS: [FBO](#)

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Achieving Tissue Robustness Through Harnessing Immune System Plasticity (R01 R21 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Dental and Craniofacial Research (NIDCR); National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

Notice seeking applications for state-of-the-art, systematic research approaches to elucidate the role of immune system plasticity in health and in the pathogenesis of dental, oral, and craniofacial diseases. Proposals should seek to determine mechanisms underlying the ability or inability of the immune system to dynamically maintain its functional role against internal and external perturbations. Both R01 and R21 mechanisms are available.

R01 applications are due annually on February 5, June 5, and October 5. R21 applications are due annually on February 16, June 16, and October 16. Program expires May 8, 2022. Multiple awards are anticipated.

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

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Addressing the Role of Violence on HIV Care and Viral Suppression (R01 R21 R34 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), Office of Research on Women's Health (ORWH); Office of Behavioral and Social Sciences Research (OBSSR)

Notice seeking applications to advance understanding of the role of exposure to violence on engagement and retention in HIV care, HIV medication adherence, and viral suppression, and to develop and test novel interventions to improve HIV outcomes for individuals who have experienced violence. R34, R21, and R01 mechanisms are available.

Optional letters of intent are due March 10, 2019. Applications are due April 10, 2019. Multiple awards are anticipated. Funding levels vary by mechanism.

LINKS: [Grants.gov \(R01\)](#), [Grants.gov \(R21\)](#), [Grants.gov \(R34\)](#)

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Advanced Clinical Trials to test Artificial Pancreas Device Systems in Type 1 Diabetes (U01 Clinical Trial Required)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Notice seeking applications to support the conduct of advanced clinical trials designed to test the outpatient

clinical safety and efficacy of artificial pancreas (AP) device systems in type 1 diabetes with the objective of improving glycemic control, reducing acute complications and improving quality of life.

Optional letters of intent are due March 10, 2019. Applications are due April 10, 2019. Approximately \$3 million is available to support one to two awards.

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

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Comparative Effectiveness Research in Clinical Neurosciences (UG3-UH3 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Neurological Disorders and Stroke (NINDS)

Notice seeking applications for investigator-initiated prospective observational comparative effectiveness research (CER) to the National Institute of Neurological Disorders and Stroke (NINDS) (note: only prospective observational studies will be considered). The study must address questions within the mission and research interests of the NINDS and may evaluate preventive strategies, diagnostic approaches, or interventions including drugs, biologics, and devices, or surgical, behavioral, and rehabilitation therapies.

Optional letters of intent are due 30 days prior to application due date. Applications are due March 29, 2019; June 18, 2019; October 18, 2019; February 19, 2020; June 18, 2020; October 14, 2020; February 18, 2021; June 18, 2021; and October 14, 2021. Program expires January 8, 2022.

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

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Computational Models of Immunity (U01 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 developing computational models of immunity that advance understanding of the mechanisms required to induce and/or maintain protective immunity to infectious pathogens, other than HIV, and/or vaccines against such pathogens.

Optional letters of intent are due May 10, 2019. Applications are due June 10, 2019. Approximately \$4 million is available to support three to four awards.

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

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Data Coordinating Center for the Advanced Clinical Trials Consortium to Test Artificial Pancreas Device Systems (U24 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Notice seeking applications for a Data Coordinating Center (DCC) that will support the Advanced Clinical Trials to test Artificial Pancreas device systems. The applicant must have experience serving as the DCC for studies on complex, clinical conditions including the testing of closed loop platforms for diabetes control.

Optional letters of intent are due March 10, 2019. Applications are due April 10, 2019. Approximately \$1 million is available to support one award.

Limited Submission: Only one application per institution is allowed.

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

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Development of Personalized Bacteriophage Therapeutic for the Treatment of Bacterial Infections  
Army (Army), Department of Defense (Defense), U.S. Army Medical Research Acquisition Activity (USAMRAA)

Notice seeking proposals to develop and optimize all aspects of practical precision bacteriophage therapy treatment(s) through clinical development to the submission of a Biologics License Application (BLA) to the U.S. Food and Drug Administration (FDA).

Proposals are due February 25, 2019. MTEC membership is required for the submission of a full proposal in response to this MTEC RPP. Offerors submitting Full Proposals as the prime contractor must be MTEC members of good standing by February 20, 2019.

LINKS: [FBO](#)

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Developmental Centers for Interdisciplinary Research in Benign Urology (P20 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Notice seeking applications for the Developmental Centers for Interdisciplinary Research in Benign Urology Program. Among the goals of this Program is to further advance research in benign genitourinary diseases and disorders by building research teams and facilitating resources generation and sharing. The research teams should be composed of individuals with complementary expertise who propose to either develop innovative resources (Resource Development Projects) or a new research project (Scientific Research Projects) that utilize integrative approaches to address questions relevant to benign genitourinary diseases or disorders.

Optional letters of intent are due March 10, 2019. Applications are due April 10, 2019. Approximately \$1 million is available to fund up to three awards.

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

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High Quality Human Reference Genomes (HQRG) (U01 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Human Genome Research Institute (NHGRI)

Notice seeking applications to develop a genome reference that is representative of human population genetic diversity. To help achieve this goal, this HQRG initiative is expected to establish metrics for high quality-genome assemblies; collaborate with other HGRC awardees on sample selection and prioritization; produce on the order of 350 high quality haplotype-resolved human genomes, using diverse samples consented for full data release; and provide capacity to help resolve error reports received by the HGRC.

Optional letters of intent are due March 2, 2019. Applications are due April 2, 2019. Approximately \$3.5 million is available to support one award.

Limited Submission: Only one application per institution.

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

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Human Genome Reference Center (HGRC) (U41 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), Office of Research on Women's Health (ORWH)

Notice seeking applications to be the central group within a multi-component Human Genome Reference Program (HGRP) that will maintain and update the human genome reference and provide it to the scientific

community.

Optional letters of intent are due March 2, 2019. Applications are due April 2, 2019. Approximately \$2.5 million is available to support one award.

Limited Submission: Only one application per institution is allowed.

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

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Human Three-Dimensional Cell Model Systems for Alzheimer's Disease-Related Dementias (ADRDs) (UG3 UH3 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to develop, characterize and validate innovative human cellular model systems that recapitulate phenotypic, mechanistic and neuropathological hallmarks of Alzheimer's Disease-Related Dementias.

Optional letters of intent are due 30 days before the application. Applications are due March 14, 2019. Approximately \$2.5 million is available to fund two to three awards.

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

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Methods Development for Cryogenic or Other Long-term Preservation and Revival of Drosophila and Zebrafish Genetic Stocks (R21 Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of General Medical Sciences (NIGMS); Office of Research Infrastructure Programs (ORIP)

Notice seeking applications for exploratory research projects aimed at developing cryogenic or other long-term preservation and revival approaches for Drosophila or zebrafish genetic stocks, which are essential laboratory animal models for biomedical research. The proposed project should address critical knowledge and technology gaps and describe approaches towards the development of reliable, easy-to-use and cost effective cryogenic or other long-term preservation and revival methods for wild-type and mutant strains of Drosophila or zebrafish.

Applications are due on a standard schedule of February 16, June 16, and October 16 until 2022. The first due date is June 16, 2019. Multiple awards are anticipated with a per-award ceiling of \$200,000 per year.

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

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National Center of Excellence for Integrated Health Solutions  
Substance Abuse and Mental Health Services Administration (SAMHSA), Department of Health and Human Services (HHS)

Notice seeking applications to advance the implementation of high quality, evidence-based treatment for individuals with co-occurring physical and mental health conditions, including substance use disorders. Data demonstrate that individuals with mental health conditions are far more likely to also experience physical health conditions.

Applications are due March 29, 2019. Approximately \$2 million is available to support one award for up to five years.

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

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Networks for Oral Health Integration within the Maternal and Child Health Safety Net

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

Notice seeking applications to improve access to and delivery of comprehensive, quality oral health care for children, 0–17 years of age, by testing and establishing models of care utilizing three collective strategies: 1) enhanced integration of oral health care into Maternal and Child Health (MCH) safety net services; 2) increased knowledge and skills among health care providers (including dental, non-dental clinical, and non-dental support service providers) for delivering optimal dental services; and 3) increased knowledge and awareness of preventive oral health practices among parents/caregivers to increase adoption of these behaviors including use of needed dental services.

Requested letters of intent are due February 25, 2019. Applications are due April 29, 2019. Approximately \$3.85 million is available to support up to three awards.

Limited Submission: Multiple applications from an organization are not allowable.

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

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Research and Development for Genome Reference Representations (GRR) (U01 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Human Genome Research Institute (NHGRI)

Notice seeking applications to support research and development for a next-generation genome reference representation. This pan-genome model will be able to capture all human genome variation and support scalable analysis in a software framework that will set a robust foundation for open science.

Optional letters of intent are due March 2, 2019. Applications are due April 2, 2019. Approximately \$1.25 million is available to support two to four awards.

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

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Shared Instrumentation Grant (SIG) Program (S10 Clinical Trial Not Allowed)

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

Notice seeking applications to purchase or upgrade a single item of expensive, specialized, commercially available instruments or integrated systems. The minimum award is \$50,000 of direct costs. There is no maximum price limit for the instrument; however, the maximum award is \$600,000 of direct costs.

Applications are due May 31, 2019. Approximately \$35 million is available to support 75 awards.

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

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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 level. The program is intended to address one of the nation's top substance abuse prevention priorities - underage drinking among persons aged 9 to 20. At their discretion, recipients may also use grant funds to target up to two additional, data-driven substance abuse prevention priorities, such as the use of marijuana, cocaine, opioids, or methamphetamine, etc. by individuals ages 9 and above.

Applications are due March 29, 2019. Approximately 127 awards are available with a per-award ceiling of \$300,000 per year.

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

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The KUH Predoctoral to Postdoctoral Fellow Transition Award (F99-K00 Clinical Trial Not Allowed) National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Notice seeking applications to recruit exceptional graduate students who are recognized by their institutions for their high potential and to incentivize them to pursue a Kidney, Urologic or Hematologic (K, U, or H) postdoctoral position that ultimately positions them to become independent K, U, or H researchers. This two-phase award will facilitate completion of the doctoral dissertation and stabilize the transition of highly talented Ph.D. candidates from a variety of fields, including, but not limited to, engineering, statistics, data science, imaging, biochemistry and genetics into strong postdoctoral appointments that are focused on K, U, or H research.

Optional letters of intent are due March 10, 2019 and October 20, 2019. Applications are due April 10, 2019 and November 20, 2019. Approximately \$250,000 is available to support up to six awards.

Limited Submission: Only one competitive F99/R00 application per institution.

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

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

Notice announcing the following meeting of the Advisory Board on Radiation and Worker Health (ABRWH).

The meeting will be held on February 27, 2019, 11:00 a.m. to 1:00 p.m. ET. This is an Audio Conference Call via FTS Conferencing. The USA toll-free dial-in number is 1-866-659-0537; the passcode is 9933701.

LINKS: [Federal Register](#)

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Advisory Committee on Immunization Practices (ACIP) Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice announcing a meeting of the Advisory Committee on Immunization Practices (ACIP). The purpose of the meeting is to establish and periodically review and, as appropriate, revise the list of vaccines for administration to vaccine-eligible children through the Vaccines for Children (VFC) program, along with schedules regarding dosing interval, dosage, and contraindications to administration of vaccines.

The meeting will be held February 27, 2019, 8:00 a.m. to 5:30 p.m., ET, and February 28, 2019, 8:30 a.m. to 3:30 p.m. ET. at the CDC, 1600 Clifton Road, NE, Tom Harkin Global Communications Center, Building 19, Kent `Oz' Nelson Auditorium, Atlanta, Georgia.

LINKS: [Federal Register](#)

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

Notice announcing a meeting of the National Advisory Council on Drug Abuse to discuss announcements and reports of administrative, legislative, and program developments in the drug abuse field.

The open portion of the meeting will be held on February 13, 2019 from 10:30 a.m. to 4:30 p.m. ET at the National Institutes of Health, Neuroscience Center, 6001 Executive Boulevard, Rockville, MD.

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

## SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Experimental Research to Investigate the Ability to Control Pyrotechnic flame photoemission via electromagnetic stimulation  
Department of Defense (Defense), NSWC- CRANE

Notice seeking applications to developing fundamental research to demonstrate and develop an understanding to enable microwave-selectable color and intensity emissions within a single pyrotechnic formulation by exploiting electromagnetic flame interactions.

Applications are due February 27, 2019. Approximately \$700,000 is available for up to three awards.

LINKS: [Grants.gov](#)

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Guaranteeing AI Robustness against Deception (GARD) Proposers Day  
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice announcing a proposer's day meeting to familiarize participants with DARPA's interest in the area of developing a new generation of defenses against adversarial deception attacks on machine learning, describe GARD technical goals and challenges and promote an understanding of the GARD program's proposal requirements.

The proposer's day will be held February 6, 2019, from 9:00 am to 2:00 pm, ET at the DARPA Conference Center, 675 N. Randolph Street, Arlington, Va. Preregister at <https://www.schafertmd.com/darpa/i2o/GARD/pd/> by February 1, 2019 to attend.

LINKS: [FBO](#)

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Materials Architectures and Characterization for Hypersonics (MACH)  
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking proposals to develop a new class of thermally-managed, shape-stable, sharp leading-edge solutions for high lift-to-drag ratio hypersonic air vehicles that are capable of operating at high heat fluxes.

Abstracts are due February 11, 2019. Proposals are due April 11, 2019. Multiple awards are anticipated.

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

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National Laser Users' Facility (NLUF)  
Department of Energy (Energy), National Nuclear Security Administration (NNSA)

Notice seeking applications to provide access to the OMEGA Laser Facility for university and industry-led high-energy-density (HED) and inertial confinement fusion (ICF) experiments.

Applications are due March 15, 2019. Approximately \$3.6 million is available to support 10 to 14 awards over a two-year period.

LINKS: [Grants.gov](#)

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## Funding Opportunities

National Sea Grant American Lobster Research Program  
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce),  
Oceanic and Atmospheric Research (OAR)

Notice seeking proposals to fund a national competition focused on research priorities for American Lobster with a focus on the Gulf of Maine and Georges Bank, in accordance with its authorizing legislation, to enhance practical use and conservation marine resources to create a sustainable economy and environment.

Applications are due April 11, 2019. Up to \$2 million is available to support 5 to 10 awards. Cost share must be at least 50 percent.

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