

Funding Opportunities

Federal Agencies

FEBRUARY 2008

This report contains a sampling of new/updated funding opportunity announcements issued by U.S. federal agencies. For additional opportunities, visit Grants.gov (www.grants.gov), Grant Advisor Plus (<http://www.grantadvisor.com/>), InfoEd (<http://www1.infoed.org/>), and UMSL Internal Awards program (<http://www.umsl.edu/services/ora/sponsored-projects/internal.html>).

Agency for International Development (USAID)

- 2008 APS-Hastening Transition to Democracy in Cuba
<http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40548>
The purpose of this APS is to support programs that expand the reach and impact of independent civil society in Cuba, and thereby hasten a peaceful transition to democracy. Applicants will undertake activities to: (1) Break the information blockade by increasing access to, and the flow of, accurate information on democracy, human rights, and free enterprise to, from, and within Cuba, including through independent uncensored access to the Internet particularly with the provision of innovative technology capable of by-passing Cuban Government restrictions. (2) Support advocacy efforts in Cuba that educate, train, provide equipment, and promote adoption of democratic rule of law, free market principles and internationally recognized human rights standards. Advocacy efforts shall promote human rights principles in accordance with the Universal Declaration of Human Rights. (3) Aid the development of Cuban independent, nongovernmental groups and entities engaged in political competition and consensus-building activities that support democratic and representative processes. (4) Assist the Cuban people to develop peaceful, strong, and independent nongovernmental civil society organizations, professional associations, democratic political parties and other groups through capacity building, equipment assistance (including its use), and technical training. (5) Develop and maintain a dialogue with Cuban human rights activists and other independent groups in Cuba, with special focus on Afro-Cuban and other marginalized communities, on specific issues that must be addressed by a future democratic transition in Cuba. (6) Promote development of a free labor movement and small, independent enterprises.
- Assistance to Internally Displaced Persons and Returnees in Kabul Province
<http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40296>
USAID/OFDA's mandate is to save lives, alleviate human suffering, and reduce the economic impact of disasters worldwide. In order to achieve this goal, USAID/DCHA/OFDA's strategy for Afghanistan in FY 2008/2009 will be to meet the critical basic needs of IDP and Returnee populations (both old and new caseload) in Kabul Province.
- Ethiopia USAID-Addis Ababa, USAID Ethiopia Annual Program Statement (APS) for Inclusion of People with Disabilities in Development Programming Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40412>
The purpose of this Annual Program Statement (APS) is to disseminate information about USAID/Ethiopia's initiative to improve "Inclusion of People with Disabilities in Development Programming." This APS is designed to solicit applications for funding from prospective partners to include people with

disabilities (PWDs) into development programming or to work with disabled peoples organizations (DPOs) for better understanding and inclusion.

- Guinea USAID-Conakry, Transforming Sierra Leone: Linking Democratic Governance, Economic Growth And Natural Resource Management, While Empowering Women And Youth And Building Institutional Capacities Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40479>
The purpose of the Request For Application (RFA) is to solicit applications for funding. The United States Government, through USAID, is seeking full applications from prospective partners to implement activities to enhance democratic governance, foster economic growth and improve natural resource management to the benefit of the people of Sierra Leone. The program is to be designed and implemented with an integrated, comprehensive, multi-sector approach, addressing the U.S. Foreign Assistance Framework Objectives.
- South Africa USAID-Pretoria, SUPPORT OF THE SOUTH AFRICAN DEPARTMENT OF EDUCATION <http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40546>
The purpose of this Annual Program Statement is to provide programs that will support the Department of Education in South Africa to mitigate the impact of HIV and AIDS within the education sector and to strengthen the capacity of the students, teachers and education officials to deliver quality education and training.

Department of Agriculture (USDA)

- Assistance to High Energy Cost Rural Communities Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16640>
USDA Rural Development's High Energy Cost Grant Program offers financial assistance to provide or improve energy generation, transmission, and distribution facilities serving rural communities with home energy costs exceeding 275 percent of the national average.
- Commodity Partnerships Program Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40552>
The purpose of this cooperative partnership agreement program is to deliver training and information in the management of production, marketing, and financial risk to U.S. agricultural producers. The program is to give priority to educating producers of crops not insurable with Federal crop insurance, specialty crops, and underserved commodities, including livestock and forage.
- Commodity Partnerships Small Sessions Program Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40555>
The purpose of this cooperative partnership agreement program is to deliver training and information in the management of production, marketing, and financial risk to U.S. agricultural producers in small sessions. The program is to give priority to educating producers of crops not insurable with Federal crop insurance, specialty crops, and underserved commodities, including livestock and forage.
- FY 2008 Team Nutrition Training Program Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40422>
The purpose of this grant is to assist State agencies to expand and enhance training programs that incorporate and implement the 2005 Dietary Guidelines for Americans in school meal programs and meals served under other child nutrition programs. States must apply Team Nutrition's three behavior-focused strategies in their proposals: Provide training and technical assistance to child nutrition foodservice professionals to enable them to prepare and serve nutritious meals that appeal to students. Provide fun and interactive nutrition education for children, teachers, parents and others caregivers. Build school

and community support for creating healthy school environments that are conducive to healthy eating and physical activity.

Department of Commerce (DOC)

- 2008 Measurement, Science and Engineering (MSE) Research Grants Programs Grant <http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40514>
Measurement, Science and Engineering (MSE) Research Grants Programs for: (1) Electronics and Electrical Engineering Laboratory (EEL); (2) the Manufacturing Engineering Laboratory (MEL); (3) the Chemical Science and Technology Laboratory (CSTL); (4) the Physics Laboratory; (5) the Materials Science and Engineering Laboratory (MSEL); (6) the Building Research Grants and Cooperative Agreements Program; (7) the Fire Research Program; (8) the Information Technology Laboratory (ITL) Program; (9) the NIST Center for Neutron Research (NCNR); and (10) Center for Nanoscale Science and Technology (CNST.) Full details are found in the Full Announcement.
- Fiscal Year (FY) 2008 Summer Undergraduate Research Fellowship (SURF) Boulder Grant <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16628>
The SURF NIST Boulder program is soliciting applications in the areas of Electronics and Electrical Engineering, Chemical Science and Technology, Physics, Materials Science and Engineering, and Information Technology. The SURF program will provide an opportunity for the NIST laboratories and the National Science Foundation (NSF) to join in a partnership to encourage outstanding undergraduate students to pursue careers in science and engineering. The program will provide research opportunities for students to work with internationally known NIST scientists, to expose them to cutting-edge research and promote the pursuit of graduate degrees in science and engineering. SURF NIST Boulder will work with appropriate department chairs, outreach coordinators, and directors of multi-disciplinary academic organizations to identify outstanding undergraduates who would benefit from off-campus summer research in a world-class scientific environment.
- FY 2008 Summer Undergraduate Research Fellowship (SURF) – GAITHERSBURG Grant <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16613>
The SURF Gaithersburg program is soliciting applications in the areas of Electronics and Electrical Engineering, Manufacturing Engineering, Nanoscale Science and Technology, Chemical Science and Technology, Physics, Materials Science and Engineering/Neutron Research, Building and Fire Research, and Information Technology. The SURF program will provide an opportunity for the NIST laboratories and the National Science Foundation (NSF) to join in a partnership to encourage outstanding undergraduate students to pursue careers in science and engineering. The program will provide research opportunities for students to work with internationally known NIST scientists, to expose them to cutting-edge research and promote the pursuit of graduate degrees in science and engineering. The NIST SURF Gaithersburg will work with appropriate department chairs, outreach coordinators, and directors of multi-disciplinary academic organizations to identify outstanding undergraduates (including graduating seniors) who would benefit from off-campus summer research in a world-class scientific environment.
- NCNR Sample Environment Equipment Financial Assistance Program Grant <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16632>
The National Institute of Standards and Technology Center for Neutron Research (NCNR) is establishing a financial assistance program in the field of Neutron Scattering to develop, design, and construct new "sample environment equipment" that shall be made available for dedicated use by the general scientific user community on any or all of the NCNR neutron beam stations. The primary objectives of this financial assistance program are to develop, design, and construct new, state-of-the-art equipment for dedicated

use by the general scientific community on NCNR neutron beam stations that provide specific and well-controlled environments of scientific interest for in-situ studies of the microscopic properties of a broad range of sample materials such as molecular solids, thin films, biomolecules and biological membranes, solid state materials, polymers, and complex fluids, using neutron scattering and imaging techniques. Examples of sample environments include high (and/or pulsed) magnetic fields, high pressures, high (and/or pulsed) electric fields, variable humidity, high or low temperatures, variable shear, and various combinations thereof.

Department of Defense (DOD)

National Geospatial Intelligence Agency

- FY 2008 IC POSTDOCTORAL RESEARCH FELLOWSHIP PROGRAM- ACADEMIC
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16594>
The Director of National Intelligence (DNI) and the Central Intelligence Agency's Office of the Chief Scientist (OCS) announce the Fiscal Year 2008 competition for the IC Postdoctoral Research Fellowship Program. The Program serves the IC and research communities by engaging experts in the solution of problems critical to IC goals and missions-particular research topics. Through this competition, OCS expects to make awards in specific research topics. All submissions undergo a rigorous competitive evaluation and are selected on merit, relevance to the Intelligence Community (IC) mission, and available funding.
- FY 2008 NURI PROGRAM
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16527>
This Broad Agency Announcement, by the National Geospatial Intelligence Agency (NGA), announces its Fiscal Year 2008 University Research Initiatives (NURI) Program to enhance the capabilities of U.S. universities to perform research and related education in science and engineering areas critical to our mission and the national defense.

Department of Energy (DOE)

- Radiochemistry and Instrumentation Research Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16678>
The Office of Biological and Environmental Research (BER) of the Office of Science (SC), U.S. Department of Energy (DOE), hereby announce its interest in receiving applications for pilot research project grants in two topic areas. The first topic area is radiochemistry. BER invites applications for conducting fundamental research in radiotracer chemistry, involving particularly improvements in the synthetic methodology for incorporating the radioisotope in a wide range of organic molecules with techniques that result in high specific activities and sufficient protections against auto-radiolysis to ensure the integrity and biological behavior of the intact radiolabeled molecule in vivo. The second topic area is in imaging instrumentation. BER invites applications dealing with the design and development of new, improved radionuclide imaging instrumentation that can significantly increase the accuracy of quantitative assessments of the three dimensional spatial and temporal distribution of radiotracers in living systems. Applications should focus on basic research that will significantly advance the current state of the science underpinning nuclear medicine advances. Responses to this announcement should address the development and use of highly innovative radiotracer chemistry or instrumentation technologies for quantitative in vivo measurement of site-specific (in situ) chemical reactions, their metabolic perturbations, and ensuing biological processes with a high degree of specificity.

- Systems Biology, Model Organism Development, and Enzyme Discovery for Biological Hydrogen Production Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16651>
 The Office of Biological and Environmental Research (BER) of the Office of Science (SC), U.S. Department of Energy (DOE), hereby announces its interest in receiving applications for research that supports the Genomics: GTL research program (<http://www.genomicsGTL.energy.gov>). In this Solicitation, applications are solicited for: i.) systems-level research to improve understanding of microbial regulatory and metabolic networks related to hydrogen production, ii.) development of new model organisms for microbial hydrogen production, and iii.) targeted approaches for the identification and characterization of enzymes and biochemical pathways relevant to biological hydrogen production in genome and metagenome sequences.
- Technical Topic Area 2 - Hydrate Production Systems Research Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16670>
 Applications are sought to develop, modify, and evaluate, cost-effective tools, technologies and approaches for producing methane from high saturation subsurface gas hydrate accumulations within sandstone reservoirs. This research will be designed to develop technologies/systems that will lead to technically viable production methods and/or provide information on the production rates obtainable from gas hydrate deposits and the most effective suites of drilling, completion, and stimulation methods (including injection of CO₂) to optimize production viability for given geologic settings. Research proposed in this area may be supported by modeling and numerical simulation but stand alone Applications based solely on modeling and/or numerical simulation will not be considered. The primary focus is to be the physical development and testing of production technologies and methodologies.
- Technical Topic 3 - Hydrate Detection and Characterization via Remote Sensing Tools
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16671>
 Topic Area 3 - Hydrate Detection and Characterization via Remote Sensing Tools (DE-PS26-08NT43260-03) Applications are sought for research on improved remote sensing methods for predicting, detecting, and /or appraising hydrate distribution in the natural environment and the nature of associated sediments and structures. Particularly, advanced geophysical methods such as deep sea electromagnetics (EM) that can be applied to broad regions are desired. DOE emphasis will be on those efforts that include direct calibration of geophysical interpretations through reference to data collected in situ.

Department of Health and Human Services (HHS)

Agency for Healthcare Research and Quality (AHRQ)

- AHRQ Grants for Health Services Research Dissertation (R36)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=7609>
 The Agency for Healthcare Research and Quality (AHRQ) announces its continued interest in the health services research dissertation grant program (R36). This program supports research undertaken as part of an academic program to qualify for a doctorate. The AHRQ dissertation award supports dissertation research costs for students in accredited research doctoral programs in the United States (including Puerto Rico, and other U.S. Territories or possessions). Dissertation applications must focus on methodological and research topics that address the mission and research interests of AHRQ noted below.

Centers for Disease Control and Prevention (CDC)

- Program on Exposure-Dose Reconstruction and Computational Methods to Quantify Exposures to Hazardous Substances (U01) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16626>

The purpose of the program is to provide (R01) grant funds to develop and evaluate exposure-dose reconstruction methods.

- Public Health Conference Support Program
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=14775>
CDC is meeting its overall goal of dissemination and implementation of new cost-effective intervention strategies through conference support funding. The purpose of conference support funding is to provide partial support for specific non-Federal conferences in the areas of health promotion and disease prevention, education programs, and applied research.

National Institutes of Health (NIH)

- Alcohol Research Education Project Grants (R25) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16657>
The National Institute on Alcohol Abuse and Alcoholism (NIAAA) supports research programs to advance understanding of the biological and behavioral processes involved in the development, expression, and consequences of alcoholism and other alcohol-related problems. The Institute also supports prevention, treatment, and health services research on alcohol abuse and alcoholism. A part of the NIAAA mission is the dissemination of new knowledge acquired from alcohol research to diverse audiences, including scientists, educators, clinicians, and other health and social service providers, patients and their families, professionals within the criminal justice system, and the general public.
- Development and Application of New Technologies to Targeted Genome-wide Resequencing in Well-Phenotyped Populations (R01) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16402>
The National Heart, Lung, and Blood Institute (NHLBI) and National Human Genome Research Institute (NHGRI) solicit grant applications under this Funding Opportunity Announcement (FOA) to develop and validate a resequencing application for cost-effective, high-throughput sequencing of genome-wide medical targets by assembling current and emerging technologies in the areas of DNA target capture and sequencing. The sequencing targets are primarily all exons of the 20,000 protein coding genes identified as RefSeq genes in Entrez Gene database at the National Center for Biotechnology Information (NCBI), which account for 1-2% of the human genome, but could include other types of functional units such as microRNA and regulatory elements. The purpose of developing this resequencing application is to enable the sequencing of thousands of individual DNA samples in NHLBI's well-phenotyped populations in a cost-effective manner.
- NLM Express Research Grants in Biomedical Informatics (R01) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16627>
The National Library of Medicine supports research grants that advance the sciences of biomedical informatics and bioinformatics. Informatics is concerned with the optimal management of information, and in practice is usually located at the intersection of computer and information sciences with an application domain such as health care, public health, basic biomedical research or clinical translational research.
- PHS 2008-02 Omnibus Solicitation of the NIH for Small Business Technology Transfer Grant Applications (Parent STTR [R41/R42]) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16619>
This Funding Opportunity Announcement (FOA) issued by the National Institutes of Health (NIH) invites eligible United States small business concerns (SBCs) to submit Small Business Technology Transfer (STTR) grant applications. United States SBCs that have the research capabilities and technological expertise to contribute to the R and D mission(s) of the NIH awarding components identified in this FOA are encouraged to submit STTR

grant applications in response to identified topics (see PHS 2008-2 SBIR/STTR Program Descriptions and Research Topics for NIH, CDC, and FDA.)

- PHS 2008-02 Omnibus Solicitation of the NIH, CDC, and FDA for Small Business Innovation Research Grant Applications (Parent SBIR [R43/R44]) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16620>
This Funding Opportunity Announcement (FOA) issued by the National Institutes of Health (NIH), the Centers for Disease Control and Prevention (CDC), and the Food and Drug Administration (FDA) invites eligible United States small business concerns (SBCs) to submit Small Business Innovation Research (SBIR) grant applications. United States SBCs that have the research capabilities and technological expertise to contribute to the R and D mission(s) of the NIH, CDC and FDA awarding components identified in this FOA are encouraged to submit SBIR grant applications in response to identified topics (see PHS 2008-2 SBIR/STTR Program Descriptions and Research Topics for NIH, CDC, and FDA.)
- Research Education Grants for Statistical Training in the Genetics of Addiction (R25) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16644>
This FOA invites applications focused on research education for the development and testing of new statistical models to address genetics-based research problems in addiction. Applicants are expected to propose a well-integrated research education and training program in statistical models or computational methods in genetics for undergraduate, graduate, and/or postdoctoral level students. Since this is a novel program, participants may be supported for as long as five years, however shorter durations of funding of some individual participants are encouraged. Achieving the capacity of the institution to address the identified research area(s) is an additional goal of this award. During this award, institutions will be expected to implement strategies for enhancing research infrastructure and capacity building at their institution and in collaborative activities.
- Screening, Brief Intervention and Referral to Treatment (SBIRT) for Drug Abuse in General Medical Settings (R01) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16404>
The National Institute on Drug Abuse (NIDA) invites research applications to develop and test the effectiveness of models that integrate screening, brief intervention, and referral to specialized treatment for individuals with drug abuse entering into primary care and other general medical settings.

Substance Abuse & Mental Health Services Administration (SAMHSA)

- Minority SA/HIV Prevention Initiative Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16652>
The purpose of this program is to support an array of activities to assist grantees in building a solid foundation for delivering and sustaining quality and accessible state of the science substance abuse and HIV prevention services. Specifically, the program aims to engage community-level domestic public and private non-profit entities to prevent and reduce the onset of SA and transmission of HIV/AIDS among at-risk racial/ethnic minority subpopulations that are described below.

Department of Justice (USDJ)

- FY 2008 Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault and Stalking on Campus Program Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16607>
Violence against women -- including dating violence, domestic violence, sexual assault, and stalking -- is a serious problem on campuses, as it is across the nation. On campuses, however, unique issues arise. To address these particular circumstances, Congress created the Grants to Reduce Violent

Crimes Against Women on Campus Program (hereinafter referred to as the Campus Program). The Campus Program implements certain provisions of the Higher Education Amendments of 1998, as reauthorized by Congress in the Violence Against Women Act of 2000. The primary purpose of the Campus Program is to develop and strengthen victim services in cases involving violent crimes against women on campuses. The Campus Program also aims to strengthen security and investigative strategies to prevent and prosecute violent crimes against women on campuses.

- FY 2008 Legal Assistance for Victims Grant Program
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16605>
The Legal Assistance for Victims (LAV) Grant Program is intended to increase the availability of civil and criminal legal assistance necessary to provide effective aid to adult and youth victims of domestic violence, dating violence, stalking, or sexual assault who are seeking relief in legal matters arising as a consequence of that abuse or violence. Criminal legal assistance is limited to criminal matters relating to domestic violence, dating violence, stalking, and sexual assault. The LAV Grant Program awards grants to law school legal clinics, domestic violence victims' shelters, bar associations, sexual assault programs, private nonprofit entities, Indian tribal governments and tribal organizations, territorial organizations, legal aid or statewide legal services, and faith- and/or community-based legal service providers. Grant funds may be used to provide direct legal services to victims of domestic violence, dating violence, sexual assault, and stalking in matters arising from the abuse or violence and to provide enhanced training for lawyers representing these victims. The objective of the LAV Grant Program is to develop innovative, collaborative projects that provide quality representation to victims of domestic violence, dating violence, sexual assault, and stalking.
- FY 2008 Rural Domestic Violence, Dating Violence, Sexual Assault and Stalking Assistance Program Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16650>
The primary purpose of the Rural Program is to enhance the safety of child, youth and adult victims of domestic violence, dating violence, sexual assault, and stalking by supporting projects uniquely designed to address and prevent these crimes in rural jurisdictions. OVW welcomes applications that propose innovative solutions for achieving this goal. The Rural Program challenges victim advocates, law enforcement officers, pre-trial service personnel, prosecutors, judges and other court personnel, probation and parole officers, and faith- and/or community-based leaders to collaborate to overcome the problem of domestic violence, dating violence, sexual assault, and stalking and to ensure that victim safety is paramount in providing services to victims and their children

Department of State (DOS)

Bureau of Educational and Cultural Affairs

- Chilean English as a Foreign Language (EFL) Student Teacher Program Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40445>
The Office of English Language Programs of the Bureau of Educational and Cultural Affairs announces an open competition for the Chilean English as a Foreign Language (EFL) Student Teacher Program. Accredited, U.S. post-secondary educational institutions meeting the provisions described in Internal Revenue Code section 26 USC 501(c)(3) may submit proposals to administer this semester-long program for Chilean pre-service teachers. Post-secondary educational institutions may apply independently or in a consortium with other post-secondary institutions. The program will include academic coursework and practicum/student teaching for Chilean EFL student teachers in their penultimate year of undergraduate study. ECA plans to award two grants for the administration of this program under which a total of approximately thirty

EFL student teachers will be placed in two groups at two different U.S. universities. The program will take place during the fall semester of 2008 and will, in addition to teaching participants about student-centered methodology, give them an in-depth experience of U.S. life and culture and contribute to mutual understanding between Chile and the United States. The program should include both a theoretical component, provided through courses and professional development seminars in an academic setting, and a practical component, provided through practice teaching under the guidance of experienced mentor teachers in local school districts. Interested post-secondary educational institutions should indicate strong contacts with local U.S. school districts in order to provide the practical student-teaching component, as well as a demonstrated ability to conduct a substantive academic program. Host schools for student teaching may be public, magnet or charter schools, and should exemplify best practices.

Bureau of Intelligence and Research

- Title VIII Program for Research and Training on the countries of Eastern Europe and Eurasia (Independent States of the Former Soviet Union) Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40444>
The Department of State, Bureau of Intelligence and Research, invites organizations with substantial and wide-reaching experience in administering research and training programs to serve as intermediaries conducting nationwide competitive programs for U.S. scholars, students and institutions pertaining to advanced research and language training on the countries of Eastern Europe and Eurasia. U.S.-based public and private nonprofit organizations and educational institutions may submit proposals to carry out Title VIII-funded programs that 1) support and sustain American expertise on the countries of Eastern Europe and Eurasia 2) bring American expertise to the service of the U.S. Government, and 3) further U.S. foreign assistance and policy goals. An explicit connection must be made to current policy relevant issues, broadly defined.

Department of the Interior (DOI)

U. S. Fish and Wildlife Service

- Coastal Program Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40488>
Coastal ecosystems comprise less than 10 percent of the Nation's land area, but support far greater proportions of our living resources. Specifically, coastal areas support a much higher percentage of the Nation's threatened and endangered species, fishery resources, migratory songbirds, and migrating and wintering waterfowl. The U.S. Fish and Wildlife Service welcomes your participation in the Coastal Program. If you are interested in exploring the possibility of pursuing a cooperative agreement for habitat assessment, protection, and/or restoration, or simply receiving technical advice, the first step is to contact your local Coastal Program coordinator. A listing of all Coastal Program coordinators is available at: <http://www.fws.gov/coastal>.
- NAWCA U.S. STANDARD GRANTS Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40402>
The U.S. Standard Grants Program is a competitive, matching grants program that supports public-private partnerships carrying out projects in the United States that further the goals of the North American Wetlands Conservation Act. These projects must involve long-term protection, restoration, enhancement and/or establishment of wetlands and associated uplands habitats for the benefit of all wetlands-associated migratory birds.
- Partners for Fish and Wildlife Program Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40489>

The Partners for Fish and Wildlife Program Act authorizes the Secretary of Interior to provide direct technical and financial assistance to private landowners interested in restoring, enhancing, and managing fish and wildlife habitats on their own lands. It is a goal of the program to secure at least 50 percent of project costs from non-Service sources, but this goal applies to the national program as a whole, and does not have to be achieved on a project-by-project basis. Funding above \$25,000 for an individual project must be approved at the Washington Office level. If you are interested in pursuing a project under the Partners for Fish and Wildlife Program you must contact your local coordinator. A listing of coordinators by state is available at <http://www.fws.gov/partners/>

National Aeronautics and Space Administration (NASA)

- RESEARCH OPPORTUNITIES IN SPACE AND EARTH SCIENCES 2008 Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opId=16641>
This NASA Research Announcement (NRA) solicits proposals for supporting basic and applied research and technology across a broad range of Earth and space science program elements relevant to one or more of the following NASA Research Programs: Earth Science, Heliophysics, Planetary Science, and Astrophysics. This ROSES NRA covers all aspects of basic and applied supporting research and technology in space and Earth sciences, including, but not limited to: theory, modeling, and analysis of SMD science data; aircraft, stratospheric balloon, and suborbital rocket investigations; development of experiment techniques suitable for future SMD space missions; development of concepts for future SMD space missions; development of advanced technologies relevant to SMD missions; development of techniques for and the laboratory analysis of both extraterrestrial samples returned by spacecraft, as well as terrestrial samples that support or otherwise help verify observations from SMD Earth system science missions; determination of atomic and composition parameters needed to analyze space data, as well as returned samples from the Earth or space; Earth surface observations and field campaigns that support SMD science missions; development of integrated Earth system models; development of systems for applying Earth science research data to societal needs; and development of applied information systems applicable to SMD objectives and data.
- ROSES 2007: Moon and Mars Analogue Missions Activities Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opId=16401>
This NASA Research Announcement (NRA) solicits proposals for supporting basic and applied research and technology across a broad range of Earth and space science program elements relevant to one or more of the following NASA Research Programs: Earth Science, Heliophysics, Planetary Science, and Astrophysics.

National Endowment for the Arts (NEA)

- NEA Challenge America Fast-Track Review Grants, FY2009 Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&opId=40421>
The Challenge America: Reaching Every Community Fast-Track Review Grants category offers support primarily to small and mid-sized organizations for projects that extend the reach of the arts to underserved populations -- those whose opportunities to experience the arts are limited by geography, ethnicity, economics, or disability. Age alone (e.g., youth, seniors) does not qualify a group as underserved; at least one of the underserved characteristics noted here also must be present. This category, as an essential component of the Arts Endowment's goal of providing wide access to artistic excellence, supports local projects that can have significant effects within communities. Grants are available for professional arts programming and for projects that emphasize the potential of the arts in community development. Partnerships can be

valuable to the success of these projects. While not required, applicants are encouraged to consider partnerships among organizations, both in and outside of the arts, as appropriate to their project. These Fast-Track Review Grants: Extend the reach of the arts to underserved populations. Are limited to the specific types of projects outlined below. Are for \$10,000 each. Receive an expedited application review. Organizations are notified whether they have been recommended for a grant approximately six months after they apply; projects may start shortly thereafter.

- NEA FY2009 Access to Artistic Excellence, Deadline 1
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40415>
Access to Artistic Excellence encourages and supports artistic creativity, preserves our diverse cultural heritage, and makes the arts more widely available in communities throughout the country.
- NEA FY2009 Access to Artistic Excellence, Deadline 2
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40416>
Access to Artistic Excellence encourages and supports artistic creativity, preserves our diverse cultural heritage, and makes the arts more widely available in communities throughout the country.
- NEA Learning in the Arts for Children and Youth, FY2009 Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40419>
The Learning in the Arts for Children and Youth category offers funding for projects that help children and youth acquire knowledge and understanding of and skills in the arts. Projects must provide participatory learning and engage students with skilled artists, teachers, and excellent art. Funded projects apply national or state arts education standards. All projects submitted to the Learning in the Arts category must include: Experience: Students and their teachers will have the chance to experience exemplary works of art -- in live form where possible. Study: Through the guidance of teachers, teaching artists, and cultural organizations, students will study works of art in order to understand the cultural and social context from which they come, and to appreciate the technical and/or aesthetic qualities of each work. Where appropriate, study will include the acquisition of skills relevant to practicing the art form. Performance: Informed by their experience and study, students will create artwork. In the case of literature, the primary creative activities will be writing and/or recitation. Assessment: Students will be assessed according to national or state arts education standards. Where appropriate, projects will employ multiple forms of assessment including pre- and post-testing.
- NEA Literature Fellowships: Creative Writing, FY2009 Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40409>
Fellowships in prose (fiction and creative nonfiction) or poetry are available to exceptionally talented, published creative writers. Fellowships enable recipients to set aside time for writing, research, travel, and general career advancement. This program operates on a two-year cycle with fellowships in prose available in FY 2008 and fellowships in poetry available in FY 2009. Individuals may apply only once each year. Competition for fellowships is extremely rigorous. Potential applicants should consider carefully whether their work will be competitive at the national level.

National Endowment for the Humanities (NEH)

- Summer Seminars and Institutes Grant
<http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40392>
These grants support national faculty development programs in the humanities for school teachers, and for college and university teachers. Seminars and institutes may be as short as two weeks or as long as six weeks. The duration of a program should allow for full and thorough treatment of the topic.

National Science Foundation (NSF)

- American Competitiveness in Chemistry-Fellowship Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=16658>
The American Competitiveness in Chemistry-Fellowship program is a program to support postdoctoral associates in chemistry. It seeks to (1) build ties between academic and industrial, and/or national laboratory, and/or Chemistry Division-funded center researchers (partners) and (2) involve beginning scientists in efforts to broaden participation in chemistry. Fellows will pursue research with industrial, and/or national laboratory, and/or Chemistry Division-funded center partners that will enrich their in-house research program. In addition, fellows will develop and implement their own plans for broadening participation in the chemical sciences. Successful applicants must propose a well-integrated, synergistic research plan with their chosen affiliate as well as an effective outreach plan that will broaden participation by underrepresented groups in chemistry. The research must be in a thematic area that is supported by the NSF Division of Chemistry. The Program will support Fellows for two years of postgraduate study. The Chemistry Division envisions that Postdoctoral Fellows with successful programs who pursue careers in academia will have opportunities for significant additional funding, either through supplements to their original ACC-F award, or through new awards from the Division. Future revisions of this solicitation will expand the scope of this program to other beginning scientists, pending availability of funds.
- Biomolecular Systems Cluster
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=10441>
The Biomolecular Systems Cluster emphasizes the structure, function, dynamics, interactions, and interconversions of biological molecules. The context for such studies can range from investigations of individual macromolecules to the large-scale integration of metabolic and energetic processes. Research supported by this cluster includes development of cutting-edge technologies integrating theoretical, computational, and experimental approaches to the study of biological molecules and their functional complexes; mechanistic studies of the regulation and catalysis of enzymes and RNA, and higher-order characterization of the biochemical processes by which all organisms acquire, transform and utilize energy from substrates. This cluster emphasizes the importance of multi-disciplinary research carried out at the interfaces of biology, physics, chemistry, mathematics and computer science, and engineering.
- Cellular Systems Cluster
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=10440>
The Cellular Systems Cluster focuses on the structure, function, and regulation of plant, animal and microbial cells, and their interactions with the environment and with one another. Areas supported include studies of the structure, function, and assembly of cellular elements, such as the cytoskeleton, membranes, organelles, intracellular compartments, intranuclear structures, and extracellular matrix, including eukaryotic and prokaryotic cell walls and envelopes. In addition, support is provided for the study of intracellular and transmembrane signal transduction mechanisms and cell-cell signaling processes, including those that occur in biofilms. Research on cellular recognition and self defense mechanisms is included. Research utilizing both traditional and innovative methodologies, multidisciplinary approaches, technique development, computation and modeling, and approaches that exploit genomic information is encouraged. Multi-disciplinary approaches to the study of cellular systems, including research carried out at the interfaces of biology, physics, chemistry, mathematics and computer science, and engineering, are also encouraged. The Microbial Observatories and Microbial Interactions and Processes competition is also housed in this cluster. This expanded activity supports integrative studies that explore novel

microorganisms, their interactions in consortia and communities, and aspects of their physiology, biochemistry and genomics in relationship to the processes that they carry out in the environments.

- Chemistry Research Instrumentation and Facilities: Departmental Multi-user Instrumentation Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16622>
The Chemistry Research Instrumentation and Facilities Program (CRIF) is structured to enable the National Science Foundation's Division of Chemistry to respond to a variety of needs for infrastructure that promotes research and education in areas traditionally supported by the Division (NSF Chemistry Homepage). The Departmental Multi-User Instrumentation component of CRIF (CRIF:MU) provides funds to universities, colleges, and consortia thereof for the purchase of multi-user instruments. The maximum request is \$500,000 for instrumentation. Additional funds may be requested for personnel who are needed to support cyber-enhanced projects. Other components of CRIF include: CRIF: ID The Instrument Development component of CRIF (CRIF: ID) provides funds for the design and construction of instruments that will enable new chemical measurements or will significantly broaden the use of chemical instrumentation. CRIF:CRF Cyberinfrastructure and Research Facilities (CRIF:CRF) provides funds to establish and support either centers for the development of cyber-enabled chemical research, or regional or national instrumentation facilities.
- Ethics Education in Science and Engineering Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16405>
The Ethics Education in Science and Engineering (EERE) program accepts proposals for research and educational projects to improve ethics education in all of the fields of science and engineering that NSF supports, especially in interdisciplinary or inter-institutional contexts. Proposals must focus on improving ethics education for graduate students in those fields, although the proposed programs may benefit advanced undergraduates in addition to graduate students.
- Genes and Genome Systems
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=7680>
The Genes and Genome Systems Cluster supports studies on genomes and genetic mechanisms in all organisms, whether prokaryote, eukaryote, phage, or virus. Proposals on the structure, maintenance, expression, transfer, and stability of genetic information in DNA, RNA, and proteins and how those processes are regulated are appropriate. Areas of interest include genome organization, molecular and cellular evolution, replication, recombination, repair, and vertical and lateral transmission of heritable information. Of equal interest are the processes that mediate and regulate gene expression, such as chromatin structure, epigenetic phenomena, transcription, RNA processing, editing and degradation, and translation. The use of innovative in vivo and/or in vitro approaches, including biochemical, physiological, genetic, genomic, and/or computational methods, is encouraged, as is research at the interfaces of biology, physics, chemistry, mathematics and computer science, and engineering.
- Petascale Computing Resource Allocations Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16399>
In 2011, a new NSF-funded petascale computing system, Blue Waters, will go online at the University of Illinois. The goal of this facility is to open up new possibilities in science and engineering by providing computational capability that makes it possible for investigators to tackle much larger and more complex research challenges across a wide spectrum of domains. The purpose of this solicitation is to invite research groups that have a compelling science or engineering challenge that will require petascale computing resources to submit requests for allocations of resources on the Blue Waters system.

Proposers must be prepared to demonstrate that they have a science or engineering research problem that requires and can effectively exploit the petascale computing capabilities offered by Blue Waters. Proposals from or including junior researchers are encouraged as one of the goals of this solicitation is to build a community capable of using petascale computing.