

Funding Opportunities: Federal Agencies

JUNE 2008

This report contains a sampling of new/updated funding opportunity announcements issued by U.S. federal agencies. For additional opportunities, visit

- Grants.gov (<http://www.grants.gov>)
- Grant Advisor Plus (<http://www.grantadvisor.com/tgaplus/>)
- InfoEd (<http://www1.infoed.org/>)
- UMSL Internal Awards program (<http://www.umsl.edu/services/ora/sponsored-projects/internal.html>)

Agency for International Development (USAID)

- Georgia USAID-Tbilisi, USAID/Armenia Global Development Alliance Annual Program Statement Grant <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41609>
USAID/Armenia will accept public-private alliance concept papers in the following focus areas. 1- Governing Justly and Democratically Increased civic participation and access to information Civic participation through advocacy, think tanks, watchdogs Alternative media Enhanced political participation Election law and financing Political parties and culture Improved governance and rule of law Local Government service provision Working with parliament and the judiciary Improved control of corruption Mobilizing civil society against corruption Anti-corruption strategy and systems 2- Investing in People Increased use of health care services, with a focus on primary health care Improved quality of health care services Improved health system finance and efficiency Improved health behaviors, including preventive and care-seeking behavior Improved social protection systems Sustainable and affordable social insurance system developed (particularly public and private pensions) Improved provision of adequate and targeted social benefits Improved quality of social services to vulnerable populations 3- Economic Growth Enhanced private sector capacity Management and marketing capacity of businesses Trade capacity of businesses Workforce development Increased access of businesses to financing Banking and credit organizations Financial infrastructure Policy and systems related to credit and lending Improved policy and systems to foster competitiveness Tax administration Business enabling environment Public services and environment, particularly telecommunications and water 4- Cross-Cutting Initiative in Education and Environment Initiatives in education or environmental protection supporting any of the above focus areas in Governing Justly and Democratically, Investing in People and Economic Growth through: Education: Workforce development, vocation education, higher education, secondary Environment: Environmental mitigation/remediation; water, air and ground pollution, solid waste management
- Ghana USAID-Accra, NIGER GIRL'S PRIMARY EDUCATION MCC <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41598>
THE UNITED STATES FOR INTERNATIONAL DEVELOPMENT WEST AFRICA MISSION IS SEEKING APPLICATIONS FROM QUALIFIED ORGANIZATIONS TO IMPLEMENT A PROGRAM TO PROMOTE GIRL'S PRIMARY SCHOOL EDUCATION IN THE REPUBLIC OF NIGER.

- Hungary USAID-Budapest, 2008 Annual Program Statement for Kosovo
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41799>
The purpose of this APS is to promote reconciliation, mitigate conflict, and improve education and water infrastructure.
- Nutrition Rapid Response Capacity in Ethiopia Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41623>
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 Ethiopia in FY 2008 will be to meet critical needs of populations affected by the ongoing complex food insecurity crisis and increase household level resilience to climatic, economic, and health shocks resulting in humanitarian crises.
- Uganda USAID-Kampala, Uganda Stop Malaria Project Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41681>
Program to increase coverage and use of key life-saving Malaria interventions in support of the Uganda National Malaria Strategy and Control Program.

Department of Agriculture (USDA)

- Behavioral Health Economics Research Program Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41796>
Applications are invited for competitive grant awards from the United States Department of Agriculture (USDA) to support research on behavioral economic strategies to promote healthy eating and obesity prevention. The findings from successful proposals are expected to advance USDA's effort to ensure a healthy, well nourished population.
- Renewable Resources Extension Act - National Focus Fund Projects Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17790>
The purpose of the grant program is to provide funds for projects that: (1) develop and implement eXtension Communities of Practice (CoP); (2) have national or regional relevancy; or (3) develop new and innovative projects that can be replicated at other institutions.

Department of Commerce (DOC)

National Oceanic and Atmospheric Administration

- FY 2008 Broad Agency Announcement Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41695>
This BAA is a mechanism to encourage research, education and outreach, innovative projects, or sponsorships that are not addressed through our competitive discretionary programs.

Department of Defense (DOD)

Air Force – Research Lab

- Defense Manufacturing Science & Technology (MS&T) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17609>
The overall objective of this program is to provide the Government with a procurement vehicle for executing MS&T. The MS&T program seeks to identify potential manufacturing improvement programs that offer a significant and positive impact on cost, schedule, or the availability of major Department of Defense (DoD) weapon systems. Manufacturing improvement programs ultimately lead to advanced manufacturing processes, techniques, and systems that enable timely, reliable, high quality, and economical production, as well as the sustainment of DoD weapon systems.

Defense Advanced Research Projects Agency (DARPA)

- Defense Sciences Office Instant Fire Suppression Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41689>
DARPA seeks to develop a novel fire control system based on destabilization/manipulation of flame plasmas by physical and/or chemical means. The Instant Fire Suppression system will rapidly extinguish Class A and

Class B fires, prevent re-ignition for extended duration, and limit the spread of fire.

- Defense Sciences Office Surface Catalysis for Energy (SurfCat) Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41690>
DARPA is soliciting innovative proposals in the area of heterogeneous chemical catalysis that will enable more energy efficient reactions. Specifically, DARPA is interested in catalysts that will ultimately facilitate the mainstream use of alternative energy sources.
- Information Processing Technology Office, Architecture-Aware Compiler Environment Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17787>
The goal of DARPA's envisioned Architecture-Aware Compiler Environment (AACE) Program is to develop computationally efficient compilers that incorporate learning and reasoning methods to drive compiler optimizations for a broad spectrum of computing system configurations. DARPA is seeking proposals to develop productive, computationally efficient compilers and runtime systems for a broad spectrum of system configurations and applicable to a broad spectrum of DOD relevant applications.
- IPTO Office Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17788>
DARPA's Information Processing Techniques Office (IPTO) is issuing this BAA, which describes IPTO's areas of interest, to allow continuous submission of abstracts and proposals that do not address individual program requirements covered by other DARPA/IPTO solicitations. The primary basis for selecting proposals for acceptance (if any) shall be technical, importance to agency programs, and fund availability. Submission of abstracts is STRONGLY encouraged in advance of full proposals, in order to provide potential offerors with an indication of the relevance and acceptability of their technical ideas under this BAA. Offerors are also encouraged to monitor the IPTO solicitation web page for information on program-specific solicitations (which may be better aligned with their research) and for special focus areas which may be amended to this solicitation at any time.
- MTO - BAA0718 NanoThermal Interfaces (NTI)
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41766>
DARPA is soliciting innovative research proposals in the area of NanoThermal Interfaces (NTI). The primary goal of this program is the development and demonstration of ideas based on novel materials and structures that can provide significant reductions in the thermal resistance of the interface layer (often called the TIM) between the backside of an electronic device and the next layer of the package, which might be a spreader or a heatsink (this might be based on technologies developed in the DARPA-sponsored TGP and/or MACE programs, respectively). In addition to reductions in the thermal resistance of the TIM, DARPA is interested in practical considerations, such as reliability, the ability to rework the interface, and application at modest temperatures and in conventional environments. Additionally, DARPA is interested in concepts which can provide very high thermal conduction in the direction between the device and the spreader, while allowing shear due to differential thermal expansion between the device and spreader.

Department of the Army

- Autism Research Program Concept Award Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17602>
The ARP Concept Award supports the exploration of an initial idea or novel observation that could give rise to a testable hypothesis. Presentation of preliminary data is not consistent with the intent of this award mechanism and therefore is not allowed. These awards provide Principal Investigators (PIs) with the opportunity to pursue serendipitous observations. Proposals must describe how the new idea will enhance existing knowledge of ASD or create an entirely new avenue for investigation. Research completed through a

Concept Award may provide sufficient preliminary data to enable the PI to prepare a proposal for future research.

- Autism Research Program Synergistic Idea Award Grant

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17604>

The ARP Synergistic Idea Award supports innovative research that advances the understanding of ASD and leads to improved treatment outcomes. To facilitate innovative research, the Synergistic Idea Award requires collaboration between at least two independent investigators who address an innovative ASD research question from synergistic and complementary perspectives. The Synergistic Idea Award is designed to promote new ideas and new collaborations. Proposals are required to include preliminary data, but it does not necessarily have to come from the ASD research field. Proposals should have a high probability of revealing new avenues of investigation. The Synergistic Idea Award requires the submission of a single proposal that addresses a critical issue in ASD research. Proposals must clearly identify the synergy that will enable or greatly accelerate the evaluation of a single innovative hypothesis. The fiscal year 2008 (FY08) ARP promotes research that will (1) improve clinical outcomes of ASD, (2) lead to better understanding of ASD across the lifespan, including adulthood, of an affected individual, and (3) integrate basic science and clinical observations. To that end, the FY08 ARP encourages proposals that specifically address critical needs of the ASD community. The following areas of research are of particular interest to the FY08 ARP: 1. Co-morbidity (e.g., manifestations such as gastrointestinal disorders, sleep, seizures, tics, immune disorders) 2. Targets for Treating (e.g., clinical, molecular, cellular) 3. Biomarkers and Pathology (e.g., brain and other tissues) 4. Environment (e.g., clinical and basic toxicology, gene/environment interaction) Multi-institutional and/or multidisciplinary proposals are encouraged but not required. Collaborators not from distinct disciplines must clearly explain why the proposed research is synergistic. Synergy and impact are important aspects of the Synergistic Idea Award. Synergy: Research combinations demonstrating synergy are those that will significantly advance a project beyond what would be possible through individual efforts. Contributions to the synergy of this mechanism are expected to be balanced between the investigators unless otherwise justified. It should be clear that the investigators have an equal level of intellectual input into the proposed project. This award mechanism is designed to support completely new collaborative efforts. New collaborations are strongly encouraged but not required. If the investigators have a history of collaboration, then they must clearly demonstrate how the proposed research is a new synergistic effort. Examples of a collaboration that is not synergistic and will not be considered for funding under this award mechanism include: • Reagents supplied by one collaborator and molecular studies completed by the other collaborator. • Service function or core support providing laboratory investigations or statistical analyses. • Projects that can be accomplished in a single PI's laboratory. Impact: Research that has high potential impact and may significantly advance the understanding of autism spectrum disorders. It is the responsibility of the PI to clearly and explicitly articulate throughout the proposal the project's synergy and the potential impact on autism spectrum disorders.

- Gulf War Illness Research Program Clinical Trial Award

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17661>

The Clinical Trial Award supports rapid execution of clinical trials with the potential to have a significant impact on the health and lives of veterans with GWI. Although the GWIRP seeks proposals from many areas of research that will further its goal of improving the health and lives of veterans who have GWI, particular areas of interest are: • Endocrine system • Infectious disease • Neurology • Neuroimmunology • Immunology • Autocrine system • Biomarkers. The GWIRP also wishes to encourage proposals that deal directly with the particular symptom subgroups listed below and their potential

interaction with each other: • Fatigue • Cognitive function • Gastrointestinal/autonomic nervous system • Musculoskeletal/pain • Skin • Respiratory system. Methods used to identify GWI cases and GWI patient subgroups of interest, health status, and treatment outcomes must be clearly described. Assessed treatment outcomes should include global changes in health status, specific objective measures where applicable, and changes in symptom domains of interest (e.g., pain, cognitive function, gastrointestinal problems, sleep difficulties, abnormalities, fatigue, respiratory function). Proposals are required to include preliminary data, but it does not necessarily have to come from the GWI research field. Each proposal must include only one clinical trial.

- Gulf War Illness Research Program Idea Award

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17659>

The Idea Award supports highly innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancements that will identify effective treatments for the complex of symptoms known as GWI, improve its diagnosis, and better understand its pathobiology. Although the GWIRP seeks proposals from many areas of research that will further its goal of improving the health and lives of veterans who have GWI, particular areas of interest are: • Endocrine system • Infectious disease • Neurology • Neuroimmunology • Immunology • Autocrine system • Biomarkers. The GWIRP also wishes to encourage proposals that directly deal with the particular symptom subgroups listed below and their potential interaction with each other: • Fatigue • Cognitive function • Gastrointestinal/autonomic nervous system • Musculoskeletal/pain • Skin • Respiratory system. The GWIRP Idea Award is designed to promote new ideas and innovative thinking. Presentation of preliminary data is not consistent with the intent of this award mechanism and therefore is not allowed. Proposals must describe how the new idea will enhance existing knowledge of GWI or create an entirely new avenue for investigation. Innovation and Impact are the most important aspects of the Idea Award. Innovation: Research deemed innovative may introduce a new paradigm, challenge current paradigms, look at existing problems from new perspectives, or exhibit other uniquely creative qualities. Examples of research that are not innovative, and will not be considered for funding under this mechanism include: • Exploring a previously tested hypothesis in a different cell line or in a new population. • Using a published series of in vitro assays to further characterize a model system. • Investigating the next logical step or incremental advancement of published data. Impact: Research that has high potential impact may significantly accelerate the improvement in the health and lives of veterans who have GWI. It is the responsibility of the PI to clearly and explicitly articulate the project's innovation and the potential impact on GWI. Clinical trials are not acceptable under this mechanism.

- Gulf War Illness Research Program Investigator-Initiated Research Award

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17660>

The Investigator-Initiated Research Award supports research to identify effective treatments for the complex of symptoms known as Gulf War Illness, improve its diagnosis, and better understand its pathobiology. Although the GWIRP seeks proposals from many areas of research that will further its goal of improving the health and lives of veterans who have GWI, particular areas of interest are: • Endocrine system • Infectious disease • Neurology • Neuroimmunology • Immunology • Autocrine system • Biomarkers. The GWIRP also wishes to encourage proposals that directly deal with the particular symptom subgroups listed below and their potential interaction with each other: • Fatigue • Cognitive Function • Gastrointestinal/autonomic nervous system • Musculoskeletal/pain • Skin • Respiratory system. The Investigator-Initiated Research Award is designed to promote new ideas in GWI. Proposals are required to include preliminary data, but it does not necessarily have to come from the GWI research field. It is the responsibility of

the PI to clearly and explicitly articulate the project's potential impact on GWI. Clinical trials are not acceptable under this mechanism.

Office of Naval Research (ONR)

- Communications and Networking Science and Technology (D&I) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17745>
Communications technology that can provide seamless, robust, connectivity is at the foundation of the Sea Power 21 and FORCENet Vision "... to have the right information, at the right place, at the right time ..." The performance of Command and Control (C2) systems and decision making at all levels of command depend critically on reliable, interoperable, survivable, secure and timely communications and networking, and the availability of high capacity multimedia (voice, data, imagery) communication networks is fundamental to nearly all Department of Navy missions. The current evolution of naval warfighting from a platform-centric to a network-centric paradigm depends on successfully meeting the implied need for significantly enhanced communications and networking capabilities, extending both to fixed shore facilities and to highly mobile air, surface, land and subsurface platforms, including the so-called "disadvantaged user", e.g., small-deck combatants, submarines, unmanned air vehicles (UAVs), dispersed ground units in urban and radio frequency (RF) challenged environments. The goal of the Communications and Networking Program within the Office of Naval Research (ONR 312) is to support the FORCENet vision by developing measurable advances in technology that can directly enable and enhance end-to-end connectivity for mission-critical information exchange among such widely dispersed naval, joint and coalition forces.
- Electronics Discovery and Invention (D&I) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17742>
The goal of the electronics program is to develop and transition affordable, high performance Radio Frequency (RF) electronics that will provide a decisive edge to the warfighter. The program encompasses RF research, design, modeling, fabrication, and testing of devices, integrated circuits, and multi-chip assemblies that span digital, analog, microwave and millimeter wave technologies. The technology developed cannot be obtained through Commercial-Off-the-Shelf (COTS) products as a result of the requirements placed on power, frequency, linearity, bandwidth (instantaneous and operating), weight, and size. The applications areas that provide the strongest pull for the Electronics Program are Electronic Warfare, Surveillance, and Communications technologies. Within Surveillance the primary thrusts are Apertures and Architectures, Information Extraction and Exploitation, and Asymmetric Threat Detection. Within Electronic Warfare the primary thrusts are Self Protection/Counter Targeting, Threat Warning/Situational Awareness, and Network Central Mission Support. Within Communications the primary thrusts are Spectral and Energy Efficient Radio/Antenna Technology, Tactical Communications, and Tactical Networking.

Department of Energy (DOE)

- Advanced Heat Transfer Fluids and Novel Thermal Storage Concepts for Concentrating Solar Power Generation Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17598>
This Funding Opportunity Announcement, FOA, will identify and support long term research activities and near term demonstration in two areas: 1. improved heat transfer fluids, advanced HTF, and 2. novel thermal energy storage concepts, novel TES systems, that may increase the efficiency and reduce the cost of this promising, renewable technology. Work that includes a consortium of solar technology providers is encouraged. The specific objective for the HTF area is to identify and characterize novel fluids or fluid types that possess the physical and chemical properties required for an improved HTF and thermal storage fluid for CSP technologies. The specific objective for the

TES areas is to generate and evaluate novel concepts for thermal energy storage, TES, that have the potential to reduce the cost of TES to less than 15 dollars per thermal kilowatt hour and achieve round trip efficiencies greater than 93 percent. Work in TES may be applicable to any or all CSP technologies, parabolic trough, power tower, linear Fresnel, or concentrating dish. Both objectives work toward the 2015 and 2020 goals of making CSP technologies cost competitive.

- Area of Interest 1: Fuel Flexibility Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17700>
Alternative fuel use presents a sizeable opportunity for reducing natural gas use, particularly with the escalation in natural gas and petroleum prices since 2004. ITP is initiating work to accelerate the market adoption by industry of emerging technology options based on alternatives to natural gas, such as the utilization of gasified fuels, landfill and digester gas, and other opportunity fuels. Most opportunity fuels can be divided into two categories: biomass fuels and industrial process waste or byproducts.
- Area of Interest 3: Clean Distributed Generation Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17702>
Distributed Generation (DG) is the production of electricity at or close to the point of use. Combined heat and power (CHP) is a system that involves recovery of waste heat from electricity generation to form useful energy such as steam. CHP also is the production of electricity and thermal energy in a single, integrated system. In general, CHP represents the most cost effective application for DG.
- Facility for Rare Isotope Beams Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17734>
The Office of Nuclear Physics (NP) of the Office of Science (SC), U.S. Department of Energy (DOE), is a research program that proposes to establish a U.S. Facility for Rare Isotope Beams (FRIB) with forefront scientific research capabilities complimentary to existing or planned facilities world-wide, and to exploit the scientific potential of rare isotope beams as a research tool for discovery-oriented science. This Funding Opportunity Announcement (FOA) requests proposals for the conceptual design and establishment of a Facility for Rare Isotope Beams (FRIB).
- High Efficiency LEDs or Arrays Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17695>
Development of high efficiency, high flux LED devices, arrays, or modules possibly incorporating multiple LEDs to be used for general illumination.
- LED Based Integrated Luminaire Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17681>
Support the development of Light Emitting Diode (LED) based luminaires for general illumination.
- Low cost substrates and encapsulation for OLEDs Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17688>
Development of low cost substrates and/or encapsulation materials suitable for use with high efficacy, low cost Organic Light Emitting Diodes (OLEDs).
- Off Grid SSL Products Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17698>
Applications for novel products that use a combination of SSL, PV and batteries.
- Organic Light Emitting Diode (OLED) Lighting Panel Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17697>
Development of a fully integrated OLED lighting product.
- Phosphors or Encapsulants Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17685>
Development of phosphor and encapsulant materials for use with high brightness LED lighting systems.

- Research, Development, and Demonstration of Fuel Cell Technologies for Automotive, Stationary, and Portable Power Applications Grant

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17781>

The DOE seeks to fund research that will lead to the development of cost-competitive and durable automotive, stationary, and portable fuel cell power systems. Prior to the development of this Funding Opportunity Announcement (FOA), the DOE issued two Requests for Information regarding possible topics (one for fuel cell RD D and one for early markets for hydrogen and fuel cells) and held a pre-solicitation workshop. The topics of research and development sought through this FOA will be focused on achieving technical performance and cost targets for fuel cells. Additionally, the scope of this FOA includes demonstrations of stationary polymer electrolyte membrane fuel cells and solid oxide fuel cells operating under real-world conditions. This FOA also includes market transformation activities, focusing on acquiring data from real-world fuel cell operation, eliminating non-technical barriers, and increasing opportunities for market expansion of hydrogen fuel cell technologies.

Department of Health and Human Services (HHS)

Administration for Children and Families

- CAPTA: National Quality Improvement Center on Differential Response in Child Protective Services Grant <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41672>

The purpose of this program announcement is to award a cooperative agreement to establish a National Quality Improvement Center (QIC) on Differential Response in Child Protective Services (CPS). The QIC will work to generate knowledge on effective practice models of differential response in child protective systems. It will support the infrastructure needed at the State and local levels to improve child welfare outcomes for children and their families who are identified as a result of referrals for suspected child maltreatment.

- CAPTA: National Quality Improvement Center on Preventing the Abuse and Neglect of Infants and Young Children Grant

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41692>

The purpose of this program announcement is to award a cooperative agreement to establish a National Quality Improvement Center (QIC) on Preventing the Abuse and Neglect of Infants and Young Children. The QIC will work to improve the social, physical, behavioral, cognitive, and emotional well-being of children zero to five years old, and their families, who are at risk of abuse and neglect, including those infants and young children impacted by substance abuse and/or HIV/AIDS.

- Child Welfare Training: Curriculum Development and Evaluation for Healthy Marriage and Relationship Education Grant

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41600>

The Children's Bureau requests applications for one cooperative agreement to develop, field test, revise, implement, evaluate, and disseminate a competency and experientially-based training curriculum for training child welfare professionals. This curriculum will address healthy marriage and relationship skills for populations underserved in the general population and overrepresented in the child welfare system. The Children's Bureau is particularly interested in the evaluation of the effectiveness of the curriculum and the possible expansion, replication and dissemination of the curriculum on a national level.

Agency for Health Care Research and Quality (AHRQ)

- AHRQ Individual Awards for Postdoctoral Fellows (F32)

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=9473>

The Agency for Healthcare Research and Quality (AHRQ) announces its continuing interest in supporting the postdoctoral National Research Service Award (NRSA) individual fellowships (F32) in health services research. These postdoctoral research fellowships provide opportunities for one to three years

of academic training and/or supervised experience in applying quantitative and/or qualitative research methods to the systematic analysis and evaluation of health care services. The program emphasizes methodological and research topics that address the mission of AHRQ.

- AHRQ Small Research Grant Program (R03)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=9855>
This funding opportunity announcement (FOA) issued by AHRQ supports Small Research Grant (R03) applications. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.
- Small Grant Program for Conference Support (R13)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=2134>
The Agency for Healthcare Research and Quality (AHRQ), announces its continued interest in supporting conferences through its Small Grant Program for Conference Support. AHRQ seeks to support conferences that help to further its mission to improve the quality, safety, efficiency, and effectiveness of health care for all Americans. The types of conferences eligible for support include: 1) Research development - conferences where issues or challenges in the delivery of health services are defined and a research agenda or strategy for studying them is developed; 2) Design and methodology - conferences where methodological and technical issues of major importance in the field of health services research are addressed or new designs and methodologies are developed; 3) Dissemination conferences - where research findings are summarized and communicated broadly to organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or, 4) Research Training, Infrastructure and Career Development-conferences where research faculty and students are brought together with users of research to develop, share and disseminate research products, experiences, curricula, syllabi, approaches or core competencies required to train individuals from multi- and interdisciplinary backgrounds or prepare developing or emerging research institutions to conduct and translate research related to fostering improvements in health care delivery in the US.

Centers for Disease Control and Prevention (CDC)

- Viral Hepatitis: Cooperative Agreement for Networking, Education, and Training
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17585>
The purpose of the program is to develop a program for viral hepatitis prevention control networking, education, and training activities that target persons at risk for viral hepatitis.

National Institutes of Health (NIH)

- Career Development Award to Promote Diversity in Neuroscience Research
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=3261>
The objective of the Career Development Award to Promote Diversity in Neuroscience Research is to promote diversity among faculty-level neuroscience investigators who are competitively funded to conduct independent research.
- Collaborative HIV/AIDS Studies in the Middle East and North Africa (R21) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17666>
The aim of this FOA is to invite applications for collaborations for exploratory and developmental work on HIV/AIDS in the low and middle income countries of the Middle East and North Africa (MENA), as defined by the World Bank: Algeria, Djibouti, Egypt, Iran, Iraq, Jordan, Lebanon, Libya, Morocco, Oman, Syria, Tunisia, West Bank and Gaza, and Yemen. Specific areas of research include, but aren't limited to, epidemiologic studies, prevention research from both biomedical and social/behavioral perspectives, studies of

social factors affecting the spread of HIV in the region, and research on women and youth.

- Developing And Improving Institutional Animal Resources (G20)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=13286>
The National Center for Research Resources (NCRR) encourages the submission of individual animal resource improvement grant applications from biomedical research institutions. The major objective of this program is to upgrade animal facilities to support the conduct of Public Health Service (PHS) supported biomedical and behavioral research.
- Dissemination, Implementation, and Operational Research for HIV Prevention Interventions (R01) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17658>
This Funding Opportunity Announcement (FOA) issued by the National Institute Mental Health (NIMH), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), and the National Institute of Nursing Research (NINR) invites research to enhance the science of technology transfer, dissemination, implementation, and operational research for evidence-based HIV-prevention interventions in the United States. Gaps in the scientific literature and research opportunities have been identified in a collaborative process involving NIH and the Centers for Disease Control and Prevention (CDC) staff.
- Established Investigator Award in Cancer Prevention and Control
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=3288>
The NCI Established Investigator Award (K05) provides qualified cancer research scientists in the fields of cancer prevention, control, behavioral, and/or population sciences with protected time to devote to research and to mentoring of new investigators.
- Independent Scientist Award (K02)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=10620>
In general, the Independent Scientist Award (K02) provides support for newly independent scientists (see IC provisions) who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. The K02 is intended to foster the development of outstanding scientists and to enable them to expand their potential to make significant contributions to their field of research.
- Large-Scale Collaborative Project Awards (R24/U54)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=14912>
The National Institute of General Medical Sciences (NIGMS) re-announces the program of large-scale collaborative project awards (glue grants), last issued as PAR-04-128 in July, 2004. These awards are intended to solve critical, complex biological problems within the mission of NIGMS by supporting a team of independently funded investigators to synergize and integrate their research efforts.
- Mentored Clinical Scientist Research Career Development Award (K08)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=10529>
The Mentored Clinical Scientist Research Career Development Award (K08) represents the continuation of a long-standing NIH program that provides support and protected time to individuals with a clinical doctoral degree for an intensive, supervised research career development experience in the fields of biomedical and behavioral research, including translational research. Individuals with a clinical doctoral degree interested in pursuing a career in patient-oriented research should refer to the NIH Mentored Patient-Oriented Research Career Development Award (K23). -An award is for a period of 3 to 5 years and provides support for salary and research-related costs.
- Mentored Patient-Oriented Research Career Development Award (K23)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=3175>
The goals of NIH-supported career development programs are to help ensure that a diverse pool of highly trained scientists are available in adequate numbers and in appropriate research areas to address the Nation's biomedical, behavioral, and clinical research needs. The purpose of the Mentored Patient-

Oriented Research (POR) Career Development Award (K23) is to support the career development of investigators who have made a commitment to focus their research endeavors on patient-oriented research. This mechanism provides support for three to five years of supervised study and research for clinically trained professionals who have the potential to develop into productive, clinical investigators focusing on patient-oriented research.

- Mentored Quantitative Research Development Award (K25)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=3194>
The goals of NIH-supported research training and career development programs are to help ensure that diverse pools of highly trained scientists are available in adequate numbers and in appropriate research areas to address the Nation's biomedical, behavioral, and clinical research needs. NIH mentored career development awards provide mentored research experiences to gain additional expertise in a new research area or in an area that will significantly enhance an investigator's research capabilities. It is expected that the mentored research and career development experience will lead to an independent and productive research career.
- Mentored Research Scientist Development Award (K01)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=8425>
The purpose of the Mentored Research Scientist Development Award (K01) is to provide support and protected time (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence.
- NCMHD Exploratory Centers of Excellence (P20) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17796>
This FOA issued by the National Center on Minority Health and Health Disparities (NCMHD), National Institutes of Health solicits grant applications from institutions/organizations that propose to establish an Exploratory NCMHD Center of Excellence (COE) contributing to either the improvement of minority health, the elimination of health disparities, or both. To be eligible for the COE in this FOA, applicant institutions must have existing federal research support and/or research infrastructure as reflected in a level of NIH institutional funding of less than \$80 million for the year 2007. An Exploratory NCMHD COE supported under this FOA must contain an Administrative core, a Research core, a Research Training/Education core, and a Community/Engagement core. Pilot research projects or feasibility projects/studies are not supported under this FOA.
- NEI CAREER TRANSITION AWARD (K22)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=3232>
The purpose of the National Eye Institute (NEI) Career Transition Award is to enable outstanding individuals to establish an independent research program in vision research and to secure an appointment in an academic institution in the United States. This is accomplished in a two-phase award program. The Scholar Development Phase provides up to three years of mentored career development training in an NEI Intramural Research Program (IRP) laboratory. The Faculty Transition Phase provides up to two years of research support at an extramural institution to which the Scholar has been recruited as an independent faculty member. The NIH Office of Dietary Supplements will collaborate with the NEI in supporting Scholars whose research involves dietary interventions or risk factors which affect visual system diseases, disorders, or development.
- NHLBI Progenitor Cell Biology Consortium Planning Awards (R03) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17772>
This FOA, issued by the National Heart, Lung, and Blood Institute, National Institutes of Health, constitutes the first step in a three-step application process for the NHLBI Progenitor Cell Biology Consortium. The goal of the Consortium is to identify and characterize progenitor cell lineages, to direct the differentiation of stem and progenitor cells to desired cell fates, and to develop new strategies to address the unique challenges presented by the

transplantation of these cells. The Consortium will assemble multiple independent research projects, each with a multi-disciplinary team of principal investigators, core research support facilities, and career development components to establish synergistic virtual hubs focused on progenitor cell biology. In order to enhance synergy, rapid exchange of data and resources between projects will be required. This FOA solicits short white paper applications outlining in broad terms the applicant's vision for participation in the Consortium.

- NINDS Research Education Programs for Residents and Fellows in Neurology and Neurosurgery (R25) Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17791>
The National Institute on Neurological Disorders and Stroke (NINDS) Research Education grant is a flexible and specialized mechanism designed to foster the development of neuroscience researchers through creative and innovative educational programs. The overall goal of the NINDS research training and research education programs is to ensure that highly trained scientists will make future advances that lead to a reduction in the burden of neurological disease. These research education grants will create an opportunity for medical residents and fellows to participate in an intensive 9 to 24 months of mentored research education experience during residency and fellowship years. This opportunity will include the necessary training for successful competition for independent mentored research awards and will facilitate the transition from fellow/resident to clinician-scientist. In addition to laboratory research skills, participants in the program will develop the critical skills necessary to design and conduct research experiments and write competitive grant applications.
- NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=3285>
The purpose of the present PA is to encourage the development of qualified underrepresented or disadvantaged nurse scientists to become independent investigators in research settings.
- Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows (F31) in Nursing Research
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=3269>
NINR is committed to increasing the number of doctorally-prepared nurses in order to meet the demands for adequately trained behavioral, biological, and biobehavioral scientists. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs.
- Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=10037>
The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting graduate and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nation's biomedical, behavioral and clinical research agenda. -The primary objective is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. -This program supports predoctoral, postdoctoral and short term research training programs at domestic institutions of higher education with the T32 funding mechanism.
- Ruth L. Kirschstein National Research Service Award Short-Term Institutional Research Training Grants (T35) <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=3165>
The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Short-Term Institutional Research Training Grants (T35) to eligible institutions to develop or enhance research training opportunities for individuals interested in careers in biomedical and behavioral research. Many of the NIH Institutes and Centers use this grant mechanism

exclusively to support intensive, short-term research training experiences for students in health professional schools during the summer. In addition, the Short-Term Institutional Research Training Grant may be used to support other types of predoctoral and postdoctoral training in focused, often emerging, scientific areas relevant to the mission of the funding NIH institute or center. - The proposed training must be in either basic, behavioral, or clinical research aspects of the health-related sciences. This program is intended to encourage students to pursue research careers by exposure to and short-term involvement in the health-related sciences. The training should be of sufficient depth to enable the trainees, upon completion of the program, to have a thorough exposure to the principles underlying the conduct of research.

- Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30) <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=3177>
The NIA, NIAAA, NIDCD, NIDA, NIEHS, NIMH, NINDS, and the ODS are interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the participating Institutes.
- Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows (F31) <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=11139>
The objective of this funding opportunity announcement is to help ensure that highly trained scientists will be available in adequate numbers and in appropriate research areas to carry out the Nation's biomedical, behavioral, and clinical research agenda. The participating Institutes of the National Institutes of Health (NIH) provide individual predoctoral research training fellowship awards to promising doctoral candidates who have the potential to become productive, independent investigators in research fields relevant to the missions of these participating NIH Institutes and Centers.
- Secondary Analysis of Existing Alcohol Epidemiology Data: (R01) Grant <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17757>; (R03) Grant <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17759>; (R21) Grant <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17758>
This funding opportunity announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism solicits Exploratory/Developmental (R21) applications for organizations/institutions that propose to conduct secondary analysis of existing data sets. NIAAA seeks to enhance the understanding of the patterns of alcohol consumption and the epidemiology of alcohol-related problems.
- Stem Cells and Cancer (R21) Grant <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17611>
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute on Aging (NIA), encourages research in all aspects of tumor stem cell biology, including the molecular and biochemical regulation of embryonic and adult stem cell behavior relevant to tumor formation. Tumor stem cells are a rare population of cells that can recapitulate all the cell types represented in the original tumor. Tumor stem cells are capable of self-renewal and asymmetric cell division. These cells are putatively responsible for the transplantability and metastatic properties of tumors. This FOA intends to stimulate efforts on isolation and characterization of tumor stem cells from a large spectrum of tumors. Such studies are important in order to understand the progression of malignant diseases. They may also inspire the development of new therapeutic strategies based on specific targeting of tumor stem cells. In addition, more research is encouraged to understand the genetic and biochemical regulatory mechanisms that control the self-renewal phenotype, asymmetric cell division, and the stem cell microenvironment (or niche). It is anticipated that the results of such research will ultimately improve the specificity and long-term effectiveness of cancer therapy.

- Use of Pooled State Administrative Data for Policy Relevant Mental Health Services Research (R01) Grant <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17668>
This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH), solicits grant applications from state agencies and partnered researchers to study the impact of changes in mental health policies (e.g., implementing parity, implementing mental health programs for returning combat veterans), changes in delivery systems (e.g., introducing quality improvement initiatives, implementing managed behavioral health care in public systems), financial policy changes (e.g., implementing patient cost sharing, implementing prior authorization policies), or other new or changed policies on the cost, quality of care, and outcomes for persons with mental disorders. It is intended that proposed studies will use existing administrative data to generate new information that can assist state mental health policy-making. Applicants are encouraged to offer access to de-identified state data for use by other research project teams, while gaining access to data supplied by other states in order to understand the impact of policies across states.

Office of Public Health and Science

- 2008 Request for Applications for the Intergenerational <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17799>
The purpose of the Intergenerational Approaches to HIV/AIDS Prevention Education with Women Across the Lifespan Pilot Program is to develop cross-generational HIV/AIDS prevention education approaches specific to women at risk for or living with HIV/AIDS and other female members of the family 12+ years old, particularly African American, Native American/American Indian, Hispanic/Latino, and Asian/Pacific Islander women from the Diaspora who are grandmothers, mothers, daughters, granddaughters, and aunts. The goals of the program are: \$to teach cross-generations of women and other female members of the family 12+ years old how to develop healthy communication patterns built on caring, trusting familial relationships; and equip women to share accurate information about their sexual health issues with other female members of the family 12+ years old by incorporating gender-focused, age-specific, culturally competent, and linguistically-appropriate HIV/AIDS prevention information.

Department of Housing and Urban Development (HUD)

- Healthy Homes and Lead Technical Studies Program Grant <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41594>
The overall purpose of both the Lead and the Healthy Homes Technical Studies programs is to gain knowledge to improve the efficacy and cost-effectiveness of methods for evaluation and control of lead-based paint and other housing-related health and safety hazards.
- Healthy Homes Demonstration Program Grant <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41595>
The purpose of the Healthy Homes Demonstration Program is to develop, demonstrate, and promote cost-effective, preventive measures to correct multiple residential safety and health hazards that produce serious diseases and injuries in children and other sensitive subgroups such as the elderly, with a particular focus on low income households.
- Lead Outreach Grant Program Grant <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41596>
The purpose of this Lead Outreach Grant Program is to promote efficient and effective outreach, education, and training for the public concerning the hazards and sources of lead-based paint poisoning, particularly for low-income children, and to reduce or eliminate such hazards.

Department of Justice (USDOJ)

- National Training and Technical Assistance Project Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41822>
 The Bureau of Justice Assistance (BJA) seeks to enhance its training and technical assistance (TTA) strategies through innovative cross-system collaboration, coordination, and enhanced tracking, analysis, and assessment of BJA training and technical assistance efforts. The Training and Technical Assistance Project (TTA Coordinator) will complement current resources by facilitating direct services to BJA customers through strategic meeting support and responses to emerging challenges in adjudication, corrections, crime prevention, law enforcement, justice information sharing, tribal justice, and substance abuse and mental health.

Department of Transportation (DOT)

- Safe Transit In Shared Track Sites & Analysis Research Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41825>
 The Federal Transit Administration (FTA) requests proposals from private entities that will ultimately result in the award of one or more cooperative agreements to identify those elements that will support a Federal Railroad Administration waiver and provide an equivalent (or greater) level of safety for shared track operations at the selected transit agency.

Environmental Protection Agency (EPA)

- 2008 Indoor Air Quality Projects in Region 7 Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41667>
 Grants awarded under this announcement may involve Geospatial Information. Notice of Request for Proposals for Projects to be Funded from the Air Waste Management Division (AWMD), Indoor Air Quality Projects for Region 7 - CFDA 66.034 - Surveys, Studies, Investigations, Demonstration and Special Purpose Activities Relating to the Clean Air Act. EPA Region 7 is soliciting proposals from organizations to fund indoor air quality (IAQ) projects that address the following two program priority areas: Assistance on the adoption of EPA's IAQ Tools for Schools program, and indoor asthma triggers and exposure education. Projects must occur within the states of EPA Region 7 – Iowa, Kansas, Missouri and/or Nebraska.
- Innovative and Integrative Approaches for Advancing Public Health Protection Through Water Infrastructure Sustainability Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41485>
 Some awards may involve or relate to geospatial information. The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications to develop advanced concepts for linking public health protection with water infrastructure sustainability. Innovative and integrative approaches are sought for monitoring, modeling, operation, and management of drinking water distribution and storage systems and wastewater collection systems that can lead to improved water quality and reduced health risks.

National Aeronautics and Space Administration (NASA)

- RESEARCH OPPORTUNITIES FOR FUNDAMENTAL SPACE BIOLOGY INVESTIGATIONS IN MICROBIAL PLANT AND CELL BIOLOGY Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41833>
 This Research Announcement solicits ground based research in the fundamental space biology areas of microbial, plant and cell biology. Fundamental space biology addresses basic questions of how life responds to gravity and space environments.
- RESEARCH OPPORTUNITIES IN FLUID PHYSICS Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41832>
 Proposals are solicited by the Exploration Systems Mission Directorate (ESMD) Advanced Capabilities Division for ground based investigations in multiphase flow and heat transfer including phase change in microgravity and reduced-

gravity environments. This call is for ground-based research that may eventually lead to research on the International Space Station (ISS).

- ROSES 2008: Advanced Component Technology Grant

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=41642>

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 2008: Applied Information Systems Research Grant

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=41806>

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 2008: Decision Support through Earth Science Research Results Grant

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=41784>

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 2008: Earth Science Applications Feasibility Studies Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=41783>
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 2008: Geospace Science Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=41638>
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 2008: ICESat-II Science Definition Team Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=41464>
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 2008: NASA Energy and Water Cycle Study - Water Quality Grant

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41828>

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 2008: Planetary Mission Data Analysis Grant

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41645>

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.

- ROSES2008: SMAP Science Definition Team Grant

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41691>

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.

National Archives and Records Administration (NARA)

- Archives - Basic Projects Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41708>
The National Historical Publications and Records Commission promotes the preservation and use of America's documentary heritage essential to understanding our democracy, history, and culture. The National Historical Publications and Records Commission seeks proposals for archives and records projects to carry out fundamental archival activities that promote the preservation and use of America's documentary heritage essential to understanding our democracy, history, and culture. The Commission is particularly concerned that some historical collections in archives and repositories are difficult for most researchers to find because they are not processed or represented in national catalogs. It hopes to encourage repositories to reveal these "hidden collections" by concentrating on materials in their backlogs.
- Archives- Detailed Processing Projects Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41709>
The NHPRC supports projects to conduct activities to promote the preservation and use of America's documentary heritage essential to understanding of our democracy, history, and culture. The National Historical Publications and Records Commission seeks proposals for detailed processing and preservation of collections of national significance.
- Historical Editing Fellowships Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41710>
The National Historical Publications and Records Commission supports projects that promote the preservation and use of America's documentary heritage essential to understanding our democracy, history, and culture. The National Historical Publications and Records Commission seeks proposals from active NHPRC-supported publications projects to serve as a host institution for a Historical Documentary Editing Fellowship. Applicants should demonstrate the capability to provide strong post-graduate training in documentary editing, including document collection, accessioning, and control; selection; transcription; annotation; proofreading; indexing; and project management. Staff at the host institution will solicit applicants, select the best candidate, and arrange for their hiring by their institution. The Commission provides this funding to ensure that recent History Ph.D.s or advanced graduate students have exposure to historical editing techniques and careers. The host institution

may use a limited amount of funds to cover costs of recruiting a fellow and giving the fellow limited travel and educational opportunities.

- Publication Subventions Grant

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=41707>

The National Historical Publications and Records Commission promotes the preservation and use of America's documentary heritage essential to understanding our democracy, history, and culture. The National Historical Publications and Records Commission seeks proposals from non-profit presses for subventions to publish volumes of NHPRC-sponsored or endorsed historical documentary editions. Through its subvention grants, the NHPRC promotes the widest possible distribution and use of Commission-supported documentary editions and encourages the highest archival permanence standards for paper, printing, and binding.

- Publishing Historical Records Grant

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=41711>

The National Historical Publications and Records Commission supports projects that promote the preservation and use of America's documentary heritage essential to understanding our democracy, history, and culture. The National Historical Publications and Records Commission seeks proposals to publish historical records of national significance. Projects may focus on the papers of major figures from American life or cover broad historical movements in politics, military, business, reform movements, the arts, and other aspects of the national experience. The historical value of the records and their expected usefulness to broad audiences must justify the costs of the project. Grants are awarded for collecting, describing, preserving, compiling, editing, and publishing documentary source materials. The NHPRC does not fund proposals to purchase historical records; it also does not fund proposals to publish the papers of anyone who has been deceased for fewer than ten years. Eligible Activities Include: *Scholarly documentary editions in printed and bound volumes. *Scholarly documentary editions in online, compact disc, and other formats. *Image editions in online, compact disc, microfilm, and other formats. *Conversion of existing print and microfilm editions to electronic publications. *Combinations of the above. A publishing project that has received NHPRC support can apply for a grant for a new or subsequent stage of that project.

National Endowment for the Arts (NEA)

- NEA Media Arts on Radio & Television, FY2009 Grant

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=41602>

Through this category the National Endowment for the Arts seeks to make the excellence and diversity of the arts widely available to the American public through nationally distributed television and radio programs. Grants are available to support the development, production, and national distribution of radio and television programs on the arts. Priority will be given to artistically excellent programs that have the potential to reach a significant national audience, regardless of the size or geographic location of the applicant organization. Only programs of artistic excellence and merit, in both the media production and the subject, will be funded. Projects may include high profile multi-part television and radio series, single documentaries, performance programs, or arts segments for use within an existing series. Programs may deal with any art form (e.g., visual arts, music, dance, literature, design, theater, musical theater, opera, film/video/audio art, folk & traditional arts). Programs targeted to children and youth are welcome. All phases of a project - research and development, production, completion and distribution costs -- are eligible for support. We welcome proposals that include ancillary activities that are intended to increase public knowledge, understanding, and access to the arts. Such activities might include the use of related radio and television programming; interactive Web sites; DVDs or other digital applications; educational material; collaborations with arts organizations, educators, and

community groups; video/audio distribution to schools, libraries, and homes; and other public outreach activities.

National Endowment for the Humanities (NEH)

- Humanities Collections and Resources Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41630>
Humanities Collections and Resources combines support for activities that were funded previously through two separate grant categories: Grants to Preserve and Create Access to Humanities Collections and Reference Materials Grants. The program also provides support for activities funded previously through the Division's Research and Development category. The possibilities presented by advances in digital technology require a new grant category that encompasses the range of activities funded through the previous programs and encourages the development of digital methods and tools to increase the availability and long-term preservation of humanities collections and resources. Grants support projects that preserve and create intellectual access to such collections as books, journals, manuscript and archival materials, maps, still and moving images, sound recordings, art, and objects of material culture. To ensure that significant collections are preserved and available for research, education, or public programming in the humanities, applications may be submitted for the following activities: digitizing collections; arranging and describing archival and manuscript collections; cataloging collections of printed works, photographs, recorded sound, moving image, art, and material culture; preservation reformatting; deacidification of collections; and preserving and improving access to humanities resources in "born digital" form.
- Summer Stipends Grant
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41463>
Summer Stipends support individuals pursuing advanced research that is of value to scholars and general audiences in the humanities. Recipients usually produce articles, monographs, books, digital materials, archaeological site reports, translations, editions, and other scholarly tools. Summer Stipends support full-time work on a humanities project for a period of two months. Summer Stipends support projects at any stage of development. Summer Stipends are awarded to individual scholars. Organizations are not eligible to apply. Summer Stipends may not be used for: research for doctoral dissertations or theses by students enrolled in a degree program; specific policy studies or educational or technical impact assessments; the preparation or publication of textbooks; studies of teaching methods or theories, surveys of courses and programs, or curriculum development; inventories of collections; works in the creative or performing arts (e.g., painting, writing fiction or poetry, dance performance, etc.); projects that seek to promote a particular political, philosophical, religious, or ideological point of view; or projects that advocate a particular program of social action.

National Science Foundation (NSF)

- Advances in Biological Informatics Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17686>
The Advances in Biological Informatics (ABI) program seeks to encourage new approaches to the analysis and dissemination of biological knowledge for the benefit of both the scientific community and the broader public. The ABI program is especially interested in the development of informatics tools and resources that have the potential to advance, or transform, research in biology supported by the Directorate for Biological Sciences at the National Science Foundation.
- Community-based Data Interoperability Networks
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=14052>
Digital data are increasingly both the products of research and the starting point for new research and education activities. The ability to re-purpose data

– to use it in innovative ways and combinations not envisioned by those who created the data – requires that it be possible to find and understand data of many types and from many sources. Interoperability (the ability of two or more systems or components to exchange information and to use the information that has been exchanged) is fundamental to meeting this requirement. This NSF crosscutting program supports community efforts to provide for broad interoperability through the development of mechanisms such as robust data and metadata conventions, ontologies, and taxonomies. Support is provided for Data Interoperability Networks that will be responsible for consensus-building activities and for providing the expertise necessary to turn the consensus into technical standards with associated implementation tools and resources. Examples of the former are community workshops, web resources such as community interaction sites, and task groups. Examples of the latter are information sciences, software development, and ontology and taxonomy design and implementation.

- Computational Mathematics Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17743>
Supports mathematical research in areas of science where computing plays a central and essential role, emphasizing algorithms design, numerical methods and their analysis, and symbolic methods. The prominence of computation in the research is a hallmark of the program. Proposals ranging from single-investigator projects that develop and analyze innovative computational methods to interdisciplinary team projects that not only create new mathematical and computational techniques but use them to model, study, and solve important application problems are encouraged.
- Cultural Anthropology
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=1258>
The Cultural Anthropology Program promotes basic scientific research on the causes and consequences of human social and cultural variation. The program solicits research proposals of theoretical importance in all substantive and theoretical subfields within the discipline of Cultural Anthropology.
- Cultural Anthropology Scholars Awards
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=12344>
The National Science Foundation announces an opportunity for methodological training by cultural anthropologists who are active researchers. The purpose is to help cultural anthropologists upgrade their methodological skills by learning a specific analytical technique which will improve their research abilities.
- Doctoral Dissertation Improvement Grants in the Directorate for Biological Sciences Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17727>
The National Science Foundation awards Doctoral Dissertation Improvement Grants in selected areas of the biological sciences. These grants provide partial support of doctoral dissertation research to improve the overall quality of research. Allowed are costs for doctoral candidates to participate in scientific meetings, to conduct research in specialized facilities or field settings, and to expand an existing body of dissertation research.
- Joint DMS/NIGMS Initiative to Support Research in the Area of Mathematical Biology
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=10967>
The Division of Mathematical Sciences in the Directorate for Mathematical and Physical Sciences and the National Institute of General Medical Sciences at the National Institutes of Health plan to support research in mathematics and statistics related to mathematical biology research. Both agencies recognize the need and urgency for additional research at the boundary between the mathematical sciences and the life sciences. This competition is designed to encourage new collaborations at this interface, as well as to support existing ones.
- Mathematical Biology Grant
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17755>
The Mathematical Biology Program supports research in areas of applied and computational mathematics with relevance to the biological sciences.

Successful proposals are mathematically innovative and address challenging problems of interest to members of the biological community. Projects may include development of mathematical concepts and tools traditionally seen in other disciplinary programs within the Division of Mathematical Sciences, e.g., topology, probability, statistics, and computation, etc.

- **Mathematical Sciences Research Institutes Grant**
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17779>
This program enables large-scale group efforts that involve broad segments of the scientific community. Projects supported by this program must involve the mathematical sciences in a significant way and have the scope to justify the funding, duration, and infrastructure of an institute. The goals of the program include advancing research in the mathematical sciences, increasing the impact of the mathematical sciences in other disciplines, enabling the mathematical sciences to respond to national needs, and expanding the talent base engaged in mathematical research in the United States.
- **Theoretical Atomic, Molecular, and Optical Physics Grant**
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17741>
The Theoretical Atomic, Molecular, and Optical Physics (TAMOP) program supports theoretical and computational research in all areas of atomic structure, the molecular structure of small molecules, electron, and atomic collisions, photoionization and photodetachment of electrons from atoms and small molecules, time-dependent interactions with atoms and small molecules, quantum optics, ultracold phenomena in Bose and Fermi gases, and quantum information. Investigations primarily directed toward a theoretical understanding of larger molecules or condensed matter systems should be directed toward the appropriate programs in the Division of Chemistry or the Division of Materials Research.
- **Theoretical Physics Grant**
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17750>
Supports the development of qualitative and quantitative understanding of fundamental physical systems, ranging from the most elementary constituents of matter through nuclei and atoms to astrophysical objects and the cosmos. This includes formulating new approaches for theoretical, computational, and experimental research that explore the fundamental laws of physics and the behavior of physical systems; formulating quantitative hypotheses; exploring and analyzing the implications of such hypotheses analytically and computationally; and, in some cases, interpreting the results of experiments. Support is given for research and conferences in the following categories: elementary particle physics; nuclear physics; atomic, molecular, optical, and plasma physics; astrophysics and cosmology; gravitational physics, and a broad spectrum of topics in mathematical physics, described below. The effort also includes a considerable number of interdisciplinary grants. In addition, the program supports infrastructure activities such as short- and long-term visitor programs, workshops, and research centers involving the participation of external scientists from universities, national laboratories, and industry, as well as graduate students and postdoctoral fellows.