

Funding Opportunities Bulletin

May 2009

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Click on the links below to go directly to the named section

[BUSINESS](#)

[EDUCATION](#)

[ENGINEERING & COMPUTER SCIENCE](#)

[FINE ARTS](#)

[HUMANITIES](#)

[INTERNATIONAL AREA STUDIES](#)

[MEDICINE & LIFE SCIENCES](#)

[PHYSICAL SCIENCES & MATHEMATICS](#)

[SOCIAL SCIENCES](#)

[MULTIPLE DISCIPLINES](#)

BUSINESS

See also opportunities listed under MULTIPLE DISCIPLINES

Financial Analyst Graduate Research Assistantship Program

United States Department of Energy (DOE); Los Alamos National Laboratory (LANL);
Graduate Internship Opportunities

Deadline: Continuous

Applications are invited for the Financial Analyst Graduate Research Assistantship Program. The Graduate Research Assistant (GRA) Program provides students placed in CFO with relevant business experience while pursuing a graduate degree. The GRA will be assisting and ultimately be responsible for accounting practices, project closeouts, reviews, and financial management. The requirements of the position are challenging and requires the ability to meet the demands of a frequently changing environment, to work successfully as a member of the business team, and to provide a high level of customer service, support and responsiveness. Applications are currently being accepted. Interested applicants may submit a letter of interest for this position to CFO001@lanl.gov

For further information: <http://www.lanl.gov/education/grad/>

Dissertation Award

W. E. Upjohn Institute for Employment Research

Deadline: July 6, 2009

The W. E. Upjohn Institute for Employment Research invites submissions for its annual prize for the best Ph.D. dissertation on employment-related issues.

A first prize of \$2,000 is being offered. Up to two honorable mention awards of \$750 may also be given.

The Institute supports and conducts policy-relevant research on employment, unemployment, and social insurance programs. The dissertation award further pursues this mission. The dissertation may come from any academic discipline, but it must have a substantial policy thrust.

Dissertations will be evaluated by a panel of economists using the following criteria:

- Policy relevance
- Technical quality of the research
- Presentation.

For further information: <http://www.upjohninstitute.org/dissert.html>

APPAM Ph.D. Dissertation Award

Association for Public Policy Analysis and Management (APPAM)

Deadline: July 10, 2009

APPAM seeks to recognize emergent scholars in the field of public policy and management by presenting an award for the best Ph.D. dissertation in public policy and management.

Dissertations from any discipline are acceptable as long as they deal substantively with public policy issues.

For further information: <http://www.appam.org/awards/phd.asp>

EDUCATION

See also opportunities listed under MULTIPLE DISCIPLINES

Technology Access in Resource-limited Environments

U.S Department of Education; Office of Special Education and Rehabilitation

Deadline: May 22, 2009

The purpose of the DRRP program is to plan and conduct research, demonstration projects, training, and related activities to develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration into society, employment, independent living, family

support, and economic and social self-sufficiency of individuals with disabilities, especially individuals with the most severe disabilities, and to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended.

As described in the Background statement of this priority in the NPP, the purpose of this priority is to focus on the need for research to determine effective methods of designing, developing, and manufacturing low-cost, high-quality products and distributing them and providing information regarding them to individuals in resource-limited environments.

For further information: <http://www.ed.gov/programs/drrp/2009-133a-6-recomp.pdf>

Young Children With Mild to Severe Hearing Loss (R21)

Department of Health and Human Services (HHS); National Institutes of Health (NIH); National Institute on Deafness and Other Communication Disorders (NIDCD)

Deadline: June 16, 2009; October 16, 2009

This Funding Opportunity Announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD) encourages research applications from institutions and organizations addressing research needs on the young child (infants and children) with mild to severe hearing loss. Development, refinement, or modification of measurement tools for young children is also encouraged.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-400.html>

Grants

Monsanto Fund

Deadline: July 1, 2009

Monsanto Fund seeks to improve the earth's ecosystem (including clean water, clean air, productive land, and thriving biodiversity) and the well-being of people by supporting projects in four primary areas:

1. The Improving Nutritional Well-Being Through Agriculture initiative includes training families in sustainable agriculture techniques; improving education and good nutrition through school gardens, nutrition education, and agricultural training; and enhancing the nutritional value, and reducing the impacts of pests and viruses, to subsistence crops.
2. The Environment initiative includes building environmental awareness through community education; promoting conservation projects; and enhancing water quality and wildlife habitat by improving agricultural practices.
3. The Science Education initiative includes professional development for teachers; creative and innovative science education programs for elementary and early secondary students, including programs offered by science centers, community-based organizations, or other institutions; and science outreach programs in the community.
4. The Our Communities initiative includes education; arts education and experiences for

disadvantaged children; and human needs and services outside the United States. (In the United States, Monsanto supports social welfare primarily through its support for the United Way).

For further information:

http://www.monsantofund.org/asp/Qualifications_and_Procedures/Main_Menu.asp

ENGINEERING & COMPUTER SCIENCE

See also opportunities listed under MULTIPLE DISCIPLINES

Clean Cities: Area of Interest 4: Alternative Fuel and Advanced Technology Vehicles Pilot Program

United States Department of Energy (DOE)

Deadline: May 29, 2009

The U.S. Department of Energy (DOE) National Energy Technology Laboratory (NETL), on behalf of the Office of Energy Efficiency and Renewable Energy (EERE) Vehicle Technologies is seeking applications for projects covering a range of commercial technology deployment and educational activities under the Clean Cities Transportation Sector Petroleum Reduction Technologies Program. DOE anticipates awarding grants under this Funding Opportunity Announcement (FOA). This FOA will be managed as part of NETL's project management and procurement support to the Vehicle Technologies Program under the Office of Energy Efficiency and Renewable Energy (EERE).

This FOA would address the technology area of Clean Cities FY09 Petroleum Reduction Technologies Project for the Transportation Sector. The American Recovery and Reinvestment Act (ARRA) of 2009 makes supplemental appropriations for the Energy Policy Act (EPACT) of 2005 Section 721, which authorizes the establishment of a competitive grant pilot program to be administered through the Clean Cities Program, to provide not more than 30 geographically dispersed project grants to state governments, local governments, and/or metropolitan transportation authorities, in partnership with an active designated Clean Cities Coalition(s).

This announcement is comprised of four areas of interest, which may include subtopic(s). Only applications aimed at one of the following areas of interest will be accepted:

1. Area of Interest 1 (DE-PS26-09NT01236-01) Refueling Infrastructure for Alternative Fuels
2. Area of Interest 2 (DE-PS26-09NT01236-02) Incremental Costs of Dedicated Alternative Fuel Vehicles (AFVs)
3. Area on Interest 3 (DE-PS26-09NT01236-03) Education, Outreach, and Workshops for Petroleum Reduction Fuels and Technologies
4. Area on Interest 4 (DE-PS26-09NT01236-04) Alternative Fuel and Advanced Technology Vehicles Pilot Grant Program

For the purposes of this Area of Interest, the term "vehicles" is used generically to include all types of vehicles referenced under General Requirement #2. This grant program may provide up to 30 geographically dispersed project grants. Projects are sought that will contribute to a sustainable market for these vehicles with a potential for future growth in the absence of additional federal funding.

For further information:

<http://www07.grants.gov/search/search.do;jsessionid=xJhJLLfKlMjyGpt0n2MpGrkLM8xwyGTb2KTvJQ1R7t8FrPHfjyLM!492643356?oppId=45498&flag2006=false&mode=VIEW>

Transit Hall of Fame Scholarship Award

American Public Transportation Association (APTA); American Public Transportation Foundation (APTF)

Deadline: June 5, 2009

The mission of the American Public Transportation Foundation (APTF) is to increase and retain the number of young professionals entering the public transportation field as a career in order to sustain growth and improvement throughout the industry. The APTF Transit Hall of Fame Scholarship Awards Program provides scholarships to deserving upper class or graduate-level college students - the future leaders of the public transportation industry.

The new scholarships given each year to individuals in public transportation industry-related fields of study include five APTF named-scholarships:

1. The Jack R. Gilstrap Scholarship - awarded to the applicant receiving the highest overall score
2. The Parsons Brinckerhoff - Jim Lammie Scholarship - awarded to an applicant dedicated to a public transportation engineering career
3. The Louis T. Klauder Scholarship - awarded to an applicant dedicated to a career in the rail transit industry as an electrical or mechanical engineer
4. The Dan M. Reichard, Jr. Scholarship - awarded to an applicant dedicated to a career in the business administration/management area of the transit industry
5. The Dr. George M. Smerk Scholarship - awarded to an applicant dedicated to a career in public transit management
6. The Richard J. Bouchard Scholarship - awarded to an applicant dedicated to a career in public transportation planning and development.

For further information: <http://www.aptf.org/>

AISES Google

American Indian Science and Engineering Society (AISES)

Deadline: June 15, 2009

These scholarships will be awarded to American Indian, Alaska Native, and Native Hawaiian AISES members pursuing degrees in the computer science, computer engineering, and related

programming fields. AISES and Google support the advancement of American Indian and Alaska Native students working towards obtaining a degree in the fields computer science and technology so they can obtain the necessary skills to compete in today's global society.

For further information: <http://www.aises.org/Programs/ScholarshipsandInternships/Scholarships>

Discovery Challenge Thrusts - AFOSR-BAA-2008-3

United States Department of Defense (DOD), Department of the Air Force (USAF)

Deadline: July 1, 2009

This is a special BAA in support of the AFOSR's Discovery Challenge Thrusts (DCTs). The thrusts are include the following:

1. Socio-cultural modeling of effective influence - Develop a basic research foundation for incorporating an understanding of factors underlying socio-cultural/population variability into effects based operations suitable for application in a variety of domains. Areas of interest include the modeling of the effects of population variables in groups and communities to situations that might occur in military and related situations. Such situations might include weapons effects, the behavior of individuals and groups, including friendly forces and populations, to non-lethal weapons, culturally conditioned responses to natural cataclysmic events and other disasters, cyber-related effects, et cetera.
2. Super-configurable multifunctional structures - Provide scientific basis for the development of new morphing aerospace platforms capable of altering their shape, functionality and mechanical properties in response to the changes in surrounding environments or operating conditions; and to identify and better understand new basic research concepts for structural reconfiguration, adaptive materials, micro-devices for sensing, communication and actuation, energy transduction mechanisms, and system integration that would establish aerospace platforms as reconfigurable multifunctional structures.
3. Prognosis of Aircraft and space devices, components, and systems - Structural prognosis, as a vision for a future capability, is based on the integration of three concurrent and distinct categories: multi-level sensing-based state awareness (material, structural, loading, operational environment, et cetera; material-level modeling and predictive simulation of damage progression; and structural-level modeling and predictive simulation of long-term load-bearing capability under operational loads and extreme environmental conditions. The integration of these three categories in a robust predictive-analysis tool will offer on-demand continuous assessment capability of upcoming structural state under evolving operational requirements and threat environment thus forming the basis of structural state prognosis..

This research effort will consist of interdisciplinary teams of researchers with the skills needed to address the relevant research challenges necessary to meet the program goals. Multi-investigator teaming is encouraged but not required. It is expected that proposals will describe cutting-edge efforts on basic scientific problems.

For further information: <http://www07.grants.gov/search/search.do?mode=VIEW&oppId=41137>

International Materials Institutes (IMI): Toward an International Materials Research Network - NSF 08-558

National Science Foundation (NSF)

Deadline: July 15, 2009

NSF supports IMIs in order to enhance international collaboration between U.S. researchers and educators and their counterparts worldwide. These Institutes advance fundamental materials research by coordinating international research and education projects involving condensed matter and materials physics, solid state and materials chemistry, polymers, metals, ceramics, electronic materials, biomaterials, and, in general, the design, synthesis, and characterization of and phenomena in materials to meet global and regional needs. The institutes must be university-based and provide a research environment that will attract leading scientists and engineers. The institutes' long-term goal is the creation of a worldwide network in materials research and the development of a generation of scientists and engineers with enhanced international leadership capabilities. A critically important aspect of an IMI is its potential impact on advancing materials research on an international scale and developing an internationally competitive generation of materials researchers, and this distinguishes an IMI from other materials research centers that NSF supports.

Representative activities of an IMI may include, for example: identifying areas of important and innovative research for joint collaborative programs; organizing and coordinating international exchange programs; establishing mechanisms for long-term international collaborations among academia, industrial and government agencies and laboratories; organizing international workshops on materials research and education, and coordinating international research experiences for students and postdoctoral scholars; developing internet-based resources with video capabilities for international conferencing and learning; developing and supporting a materials research network that will provide access to research and education resources, such as searchable databases, publications, facilities, instruments, and experts; enhancing global public awareness of economic and societal contributions by materials researchers; and partnering with states, private foundations, industry, national laboratories, international organizations, other universities, centers, and national facilities to accomplish the stated goals of the IMI.

Through the new Cyber-enabled Discovery and Innovation (CDI) initiative, NSF is committed to development and deployment of tools and techniques for remote collaboration, sharing of data, remote control of instrumentation, and development of virtual organizations that are not constrained by geography. NSF also recognizes the importance of cyber-tools for promoting and maintaining partnerships that transcend national boundaries. The IMI program is especially well-positioned to benefit from the ideas embodied in CDI and IMI proposals that incorporate those ideas are encouraged.

For further information: <http://www.nsf.gov/pubs/2008/nsf08558/nsf08558.htm>

Young Investigator Research Program - AFOSR-BAA-2008-4

United States Department of Defense (DOD)

Deadline: July 22, 2009

The program supports scientists and engineers who have received a Ph.D. or equivalent degrees in the last five years, and show exceptional ability and promise for conducting basic research. The objective of this program is to foster creative basic research in science and engineering; enhance early career development of outstanding young investigators; and increase opportunities for the young investigator to recognize the Air Force mission and related challenges in science and engineering.

For further information: <http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=9332>

Broad Agency Announcement for the IARPA Advanced Materials and Fabrication for Coherent Superconducting Qubits Within the IARPA Safe and Secure Operations Office

United States Department of Defense (DOD)

Deadline: July 31, 2009

Innovative solutions are sought for the Coherent Superconducting Qubits Program within the Intelligence Advanced Research Projects Activity (IARPA). The U.S. Army Research Office (ARO) and IARPA will conduct this BAA in close partnership. This BAA solicits proposals that will lead to substantially extended coherence times in superconducting qubits. If offerors elect to submit a white paper, it must be prepared in accordance with the instructions contained in Part IV, Section B.1. of the BAA. Upon receipt, a white paper will be evaluated and the offeror shall be advised of the evaluation results. Offerors whose white papers receive a favorable evaluation will be contacted and encouraged to prepare a complete proposal in accordance with instructions contained in Part IV Section B.2.

Two levels of proposals are sought, with particular interest in application to the phase qubit.

Level I proposals will seek to accomplish all of the following program goals:

1. Fundamental understanding and insights into defects in superconducting qubits that currently limit coherence time and readout contrast
2. Means to characterize, measure and definitively discriminate between these separate defects
3. Advanced materials, constructions and fabrication methods to eliminate these defects

Level II proposals will seek to accomplish Level I goals as well as the following additional program goal: Demonstrate substantially extended coherence times in superconducting qubits fabricated from foregoing developments

For further information:

<https://www.fbo.gov/index?s=opportunity&mode=form&id=c4ba5d6c9b96845bbf5d3b5f9f063040&tab=core&cvview=0>

FINE ARTS

Arts Writers Grant

Creative Capital Foundation

Deadline: June 8, 2009

The grant is designed to support writers whose work addresses contemporary visual art through project-based grants issued directly to individual authors. The first program of its type, it was founded in recognition of both the financially precarious situation of arts writers and their indispensable contribution to a vital artistic culture. The grant program issues awards for books, articles, short-form writing, and blogs/new and alternative media projects and aims to support the broad spectrum of writing on contemporary visual art, from general-audience criticism to academic scholarship. Through all its grants, regardless of topic or category type, the grant program aims to honor and encourage writing about art

- that is rigorous, passionate, eloquent, and precise;
- in which a keen engagement with the present is infused with an appreciation of the historical;
- that is neither afraid to take a stand nor content to deliver authoritative pronouncements, but serves rather to pose questions and generate new possibilities for thinking about, seeing, and making art;
- that is sensitive to both the importance and difficulty of situating aesthetic objects within their broader social and political contexts;
- that does not dilute or sidestep complex ideas but renders accessible their meaning and value; and
- that creatively challenges the limits of existing conventions, without valorizing novelty as an end in itself.

For further information: <http://www.artswriters.org/about.php>

Creative Campus Innovations Grant Program

Association of Performing Arts Presenters

Deadline: June 30, 2009

The purpose of this program is to identify, support, and document cross-campus interdisciplinary collaborations that integrate the work of performing arts presenters in the academy and the surrounding community. Arts Presenters will award project grants to college and university presenters for projects that go beyond conventional practice and perspectives, feature innovative or experimental approaches, connect with arts and non-arts constituencies, and stimulate discussion and debate. Funding support is meant to both support new initiatives and deepen existing efforts to integrate the performing arts into the academy.

Supported projects should incorporate a variety of campus-based programs and activities that integrate the work of presenters into the life of the academy and the community by working collectively with other college or university partners and community partners to maximize resources and capacities in the performing arts. Each project must meet the following goals: (1) integrate the performing arts into the education, service, and scholarly missions of the academy

and engage chief academic officers and executive leadership; (2) provide opportunities to deepen and expand the participation of artist(s) in the academy through long term residencies, commissions, and/or other creative activities; and (3) identify, document, and share lessons learned that will contribute to an evolving knowledge base and learning community for campuses and the wider performing arts and presenting field.

For further information: <http://www.apapconference.org/creative-campus-guidelines-and-application.html>

Zildjian Family Opportunity Fund

Percussive Arts Society

Deadline: July 1, 2009

The Zildjian Family Opportunity Fund is a permanently endowed trust managed and administered through the Percussive Arts Society. The purpose of the Zildjian Family Opportunity Fund is to provide funding for percussion-based presentations directed to underserved youth, ages pre-school through high school. Utilizing outstanding percussion presenters, programs are to be presented at schools, community centers, or other publicly accessible facilities at no charge to participants. Applications will be accepted from individual artists and/or organizations. Awards will be granted based on artistic quality, content of presentation and demonstrated ability to carry out the proposal as submitted. Applicant/Artist must be a current member of the Percussive Arts Society.

For further information: <http://www.pas.org/about/forms/09ZildjianFund.pdf>

HUMANITIES

See also opportunities listed under MULTIPLE DISCIPLINES

Save Our History Program - National Initiative

History Channel

Deadline: June 5, 2009

The History Channel "Save Our History" program is meant to inspire the youth in the community to become the preservationists of tomorrow. Museums, historic sites, historical societies, preservation organizations, libraries, and archives are invited to partner with a local school or youth group and apply for funding to help preserve the history of their communities. Each year, The History Channel awards grants to organizations that partner with schools or youth groups on community preservation projects that engage students in learning about, documenting, and preserving the history of their communities.

For further information:

http://www.history.com/minisite.do?content_type=Minisite_Generic&content_type_id=51650&display_order=3&mini_id=51103

Preservation and Access Education and Training Grants

National Foundation for the Arts and the Humanities

Deadline: July 1, 2009

The Preservation and Access Education and Training program is central to NEH's efforts to preserve and establish access to cultural heritage resources. Thousands of libraries, archives, museums, and historical organizations across the country maintain important collections of books and manuscripts, photographs, sound recordings and moving images, archaeological and ethnographic artifacts, art and material culture collections, electronic records, and digital objects. The challenge of preserving and making accessible such large and diverse holdings is enormous and the need for knowledgeable staff is significant and ongoing. Preservation and Access Education and Training grants help the staff of cultural institutions, large and small, obtain the knowledge and skills needed to serve as effective stewards of humanities collections. Grants also support educational programs that prepare the next generation of conservators and preservation professionals, as well as projects that introduce the staff of cultural institutions to recent improvements in preservation and access practices.

Preservation and Access Education and Training grants support activities such as these:

- a. Regional preservation field services that provide a wide range of education and training (for example, through surveys, workshops, consultations, reference services, and informational materials about the care of humanities collections), especially for staff at smaller libraries, museums, archives, and other cultural organizations;
- b. Graduate programs in preservation and conservation; and
- c. Workshops that address preservation and access topics of broad significance and impact, such as
 - collections care training for staff members who are responsible for the day-to-day care and management of humanities collections;
 - preventive conservation and sustainable preservation strategies;
 - disaster preparedness, response, and recovery;
 - the preservation of and provision of access to recorded sound and moving image collections;
 - digital preservation; and
 - best practices for enhancing and integrating access to collections in libraries, archives, and museums.

For further information: <http://www.neh.gov/grants/guidelines/pet.html>

Preservation and Access: Humanities Collections and Resources

National Foundation for the Arts and the Humanities

Deadline: July 15, 2009

The Humanities Collections and Reference Resources program supports projects that provide an essential foundation for scholarship, education, and public programming in the humanities. Thousands of libraries, archives, museums, and historical organizations across the country maintain important collections of books and manuscripts, photographs, sound recordings and

moving images, archaeological and ethnographic artifacts, art and material culture, electronic records, and digital objects.

Funding from this program strengthens efforts to extend the life of such materials and make their intellectual content widely accessible, often through the use of digital technology. Awards are also made to create various reference resources that facilitate use of cultural materials, from works that provide basic information quickly to tools that synthesize and codify knowledge of a subject for in-depth investigation.

Applications may be submitted for projects that include or combine the following activities:

1. Arranging and describing archival and manuscript collections
2. Cataloging collections of printed works, photographs, recorded sound, moving images, art, and material culture
3. Implementing preservation measures, such as basic rehousing, reformatting, deacidification, or conservation treatment
4. Digitizing collections, or preserving and improving access to born-digital resources
5. Developing databases, virtual collections, or other electronic resources to codify information on a subject field or to provide integrated access to selected humanities materials
6. Creating encyclopedias
7. Preparing linguistic tools, such as historical and etymological dictionaries, corpora, and reference grammars (separate funding is available for endangered language projects in partnership with the National Science Foundation)
8. Developing tools for spatial analysis and representation of humanities data, such as atlases and geographical information systems (GIS)
9. Designing digital tools to facilitate use of humanities resources

Applications may address the holdings or activities of a single institution or may involve collaboration. In all cases, projects should be designed to facilitate sharing, exchange, and interoperability of humanities information and products.

For further information: <http://www.neh.gov/grants/guidelines/HCRR.html>

Preservation and Access Research and Development Grants

National Foundation for the Arts and the Humanities

Deadline: July 30, 2009

Preservation and Access Research and Development grants support projects that address major challenges in preserving or providing access to humanities collections and resources. These challenges include the need to find better ways to preserve materials of critical importance to the nation's cultural heritage - from fragile artifacts and manuscripts to analog recordings and digital assets subject to technological obsolescence - and to develop advanced modes of searching, discovering, and using such materials. Applicants should define a specific problem, devise procedures and potential solutions, and explain how they would evaluate their projects and disseminate their findings.

Project results must serve the needs of a significant segment of humanists. Eligible projects may include efforts to

- develop technical standards, best practices, and tools for preserving and creating access to humanities collections;
- explore more effective scientific and technical methods of preserving humanities collections;
- develop automated procedures and computational tools to integrate humanities data in disparate online resources; or
- investigate and test new ways of providing digital access to humanities materials that are not amenable to standard modes of digitization.

NEH especially encourages applications that address the following areas:

1. Digital Preservation - how to preserve digital humanities materials, including those for which no analog counterparts exist
2. Recorded Sound and Moving Image Collections - how to preserve and increase access to the record of the twentieth century contained in these formats
3. Preventive Conservation - how to protect and slow the deterioration of humanities collections through the use of sustainable preservation strategies

Collaboration is a hallmark of research and development projects. Projects that present advanced models of collaboration, especially between humanities professionals, computer or information scientists, and other technical experts, are welcomed. Projects to develop standards or procedures should be guided by a committee representative of the relevant professions to ensure that they are comprehensive and acceptable.

Successful applicants will be expected to create a white paper that describes the lessons learned during the conduct of the project (both positive and negative). The white paper should also document any software or techniques resulting from the project. White papers will be posted on the NEH website so that others may benefit from the research.

For further information: <http://www.neh.gov/grants/guidelines/PARD.html>

INTERNATIONAL AREA STUDIES

See also opportunities listed under HUMANITIES and MULTIPLE DISCIPLINES

Culture and Heritage Grant Awards

National Italian American Foundation (NIAF)

Deadline: May 29, 2009; November 27, 2009

These awards are available to individuals or organizations pursuing projects to promote, research, educate, or preserve Italian American culture, history, or heritage. Examples include documentaries, doctoral research, exhibits, conferences, books, media stereotyping or anti-defamation surveys and campaigns, plays, and course syllabi.

For further information: <https://www.niaf.org/grants/2008/2008-user/about.asp>

Research Grant Program

Center for Chinese Studies (CCS)

Deadline: May 31, 2009

The Center for Chinese Studies (CCS) offers research grants. The content of the research, to be undertaken in Taiwan, should be within the field of Chinese studies.

This program is designed for foreign professors, associate professors, assistant professors, and doctoral candidates in departments related to Chinese studies at foreign universities, as well as researchers at related foreign academic institutes.

For further information: <http://ccs.ncl.edu.tw/ccs/EN/Reward1.asp>

Short-Term Grants

Woodrow Wilson International Center for Scholars- East European Studies (EES)

Deadline: June 1, 2009, September 1, 2009

With funding provided by Title VIII (the Act for Research and Training for Eastern Europe and Independent States of Former Soviet Union), EES offers short-term grants to scholars working on policy relevant projects on East Europe. Special consideration will be given to projects on Southeast Europe, or projects that can be credibly linked to issues in the Western Balkans. Projects should focus on fields in the social sciences and humanities including, but not limited to, anthropology, history, political science, Slavic languages and literatures, and sociology. All projects should aim to highlight their potential policy relevance.

For further information:

http://www.wilsoncenter.org/index.cfm?topic_id=1422&fuseaction=topics.item&news_id=5989#short

Grant Program for Developing Networks of Japanese-Language Teachers and Institutions

Japan Foundation – Tokyo; Japanese Language Education Overseas

Deadline: June 1, 2009

This program provides partial assistance for seminars, workshops, training courses, and academic meetings concerning Japanese language education carried out by overseas teachers' associations, academic societies, and higher educational and research institutions, for the purpose of developing networks of Japanese language teachers and institutions abroad.

For further information: <http://www.jpf.go.jp/e/program/japanese.html>

MEDICINE & LIFE SCIENCES

See also opportunities listed under MULTIPLE DISCIPLINES

AHRQ Health Services Research (R01)

Department of Health and Human Services (HHS); Agency for Healthcare Research and Quality (AHRQ)

Deadline: June 5, 2009; October 5, 2009

This Funding Opportunity Announcement (FOA) expresses AHRQ priority interests for ongoing extramural grants for research, demonstration, dissemination, and evaluation projects to

1. Support improvements in health outcomes.
2. Strengthen quality measurement and improvement.
3. Identify strategies to improve access, foster appropriate use, and reduce unnecessary expenditures.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-243.html>

Interdisciplinary Research on Implantation (R01)

Department of Health and Human Services (HHS)

Deadline: June 5, 2009

The purpose of this Funding Opportunity Announcement (FOA) is to stimulate interdisciplinary approaches to study the mechanisms of blastocyst implantation, with an emphasis on immunological approaches. Because of the complexity of human implantation and the lack of appropriate model systems, applications with more than one principal investigator are strongly encouraged to foster interdisciplinary research. Each project must be an independent research project. Project investigators, however, are willing to collaborate with other investigators. Funded projects will join in semi-annual collaborative meetings to foster data sharing and larger collaborations. Findings derived from these collaborative approaches will provide greater insight into infertility due to implantation failure.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-445.html>

Effect of Racial and Ethnic Discrimination/Bias on Health Care Delivery (R01)

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

Deadline: June 5, 2009

This Funding Opportunity Announcement (FOA) encourages the submission of research project grant applications from institutions and organizations that propose to improve the measurement of racial and ethnic discrimination in health care delivery systems through improved instrumentation, data collection, and statistical or analytical techniques; enhance understanding of the influence of racial and ethnic discrimination in health care delivery and its association with disparities in disease incidence, treatment, and outcomes among disadvantaged racial and ethnic minority groups; and reduce the prevalence of racial and ethnic health disparities through

the development of interventions to reduce the influence of racial and ethnic discrimination on health care delivery systems in the United States.

For the purposes of this FOA, health care delivery is defined as the provision or receipt of a broad range of health-related services including preventive, primary, ambulatory and in-patient, emergency, specialty, and long-term care. Health care delivery systems are defined as insurance plans, hospitals, clinics, private physician offices, or public and community health facilities that provide or finance health care delivery.

Examples of research topics and approaches that would be relevant areas of investigation under this FOA include, but are not limited to, the following:

1. Methodology for measuring racial and ethnic discrimination
2. Discriminatory behavior by providers or other staff in the health care setting
3. Patient perception of the receipt of discriminatory care
4. Institutional racism
5. The effects of racial and ethnic discrimination on health care delivery to racial and ethnic minority patients
6. Intervention studies

For further information: <http://grants.nih.gov/grants/guide/pa-files/PA-08-083.html>

Mechanisms of Functional Recovery After Stroke (R01)

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

Deadline: June 5, 2009

This Funding Opportunity Announcement (FOA) solicits Research Project Grant (R01) applications from institutions and organizations that propose to find brain mechanisms to improve and develop new approaches to functional recovery after stroke.

While stroke is the third leading cause of death in the United States, it is the leading cause of long-term disability in the American population. The Stroke Progress Review Group in 2006 identified the problem of brain repair and rehabilitation after stroke as a major priority for stroke research. In the last decade the major research efforts were directed toward treatment of the acute stroke: reestablishing perfusion of the affected areas, and minimizing the neuronal damage. With the advance of acute stroke treatment, the issues of functional restoration and post-stroke rehabilitation have become increasingly important. At the same time, understanding of brain responses to stroke-induced damage, brain repair, and functional recovery remains relatively poor. Post-stroke rehabilitation is a significant component of stroke treatment in the clinic. Nonetheless, most rehabilitation practices are empirical, rely on behavioral approaches, and are not based on data from large-scale randomized, controlled clinical trials. Relatively little research has been done on the mechanisms of brain repair and plasticity and their relation to behavioral and functional recovery, which are crucial for patients with lifetime consequences of this catastrophic event.

This FOA seeks to expand studies on basic brain mechanisms of repair and plasticity after stroke,

and on factors that influence these mechanisms. In addition, methods and approaches to improve and enhance reparative processes may be investigated, toward the goal of optimizing and developing promising new approaches to rehabilitation and functional recovery after stroke.

The types of research appropriate under this FOA include, but are not limited to, studies of events (neurophysiological and molecular) occurring in the perilesional area; molecular and physiological signals generated locally and remotely in response to injury; signaling and mechanisms of rewiring, sprouting, and plasticity in the post-lesioned brain; basic mechanisms involved in plasticity aimed at functional recovery and development and optimization of tools and methods to direct and optimize the functional recovery after injury based on the knowledge of these mechanisms; and the use of endogenous (brain and peripheral) and exogenous stem cells.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-08-099.html>

Evolution of Infectious Diseases (R01)

Department of Health and Human Services (HHS)

Deadline: June 5, 2009

This Funding Opportunity Announcement (FOA) solicits Research Project Grant (R01) grant applications from institutions and organizations that propose to study the evolutionary principles that underlie the emergence, spread, and containment of infectious disease. An explicit goal of the FOA is to stimulate interdisciplinary research between (1) quantitative and computational sciences and (2) experimental, clinical, or field studies. Areas of particular interest include the evolution of pathogens, evolutionary dynamics of host-pathogen systems, and the consequences of intervention strategies. The focus of this program is limited to discovery of fundamental biological principles rather than to detailed knowledge or treatment of specific diseases.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-130.html>

Functional Links Between the Immune System, Brain Function, and Behavior (R01)

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

Deadline: June 5, 2009

This Funding Opportunity Announcement (FOA) solicits exploratory and developmental research grant applications to study neuroimmune molecules and mechanisms involved in regulating normal and pathological functions of the central nervous system (CNS).

The potent effects of neuroimmune molecules in the brain are mediated through multiple signaling pathways. However, details regarding the extent, routes, or mechanisms whereby immune signaling affects the brain in either normal conditions or during immune challenge and inflammation are largely unexplored. The purpose of this FOA is to identify research opportunities that may help to bridge the gap in understanding how immune cells and their mediators affect brain development, function, and behaviors related to cognition and mood. This

includes studies of the effects of immune molecules and cells on molecular and cellular neural processes, neuronal signaling, glial-neural interactions, neural activation, and objective behavioral endpoints of relevance to mood, cognition, and motivation. Studies examining immune effects on neurodevelopment and across the lifespan as well as studies comparing effects in males and females are also encouraged.

It should be noted that studies aimed at examining how the brain or stressors affect peripheral immune function are not appropriate for this solicitation. Similarly, studies of immune cell entry and fate in brain are appropriate only if they examine how these cells affect ongoing brain processes or behavior.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-08-097.html>

School-Based Interventions to Prevent Obesity (R01)

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

Deadline: June 5, 2009

The purpose of this program is to form partnerships between academic institutions and school systems in order to develop and implement controlled, school-based intervention strategies designed to reduce the prevalence of obesity in childhood. This initiative also encourages evaluative comparisons of different intervention strategies, as well as the use of methods to detect synergistic interactions between different types of interventions.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-180.html>

Diet, Epigenetic Events, and Cancer Prevention (R21)

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

Deadline: June 16, 2009

The purpose of this funding opportunity announcement is to promote innovative preclinical and clinical research to determine how diet and dietary factors, including dietary supplements, impact epigenetic processes involved in cancer prevention. Although much evidence exists that dietary components are linked to cancer prevention, the specific nutrients and sites of action remain elusive. Diet, in fact, has been implicated in many of the pathways of cancer, including apoptosis, cell cycle control, differentiation, inflammation, angiogenesis, DNA repair, and carcinogen metabolism. These are also processes that are likely regulated by epigenetic events to impact gene function and chromatin stability.

Thus, research supported by this initiative could address one of the following issues: how bioactive food components regulate epigenetic events for cancer prevention, how bioactive food components might alter aberrant epigenetic patterns or events and restore gene function, and how these components might circumvent or compensate for genes and pathways that are altered by epigenetic events. Another important aim of this FOA is to encourage collaborations between nutrition scientists and experts in epigenetics to study bioactive food components with cancer-

preventative properties and to examine key epigenetic events in cancer processes (e.g., carcinogen metabolism, cell division, differentiation, and apoptosis) in order to begin to establish linkages between epigenetic events and patterns, and tumor incidences/behaviors.

NIDDK is particularly interested in receiving applications that address normal and neoplastic conditions focusing on the impact of epigenetics on cell division, differentiation, and/or apoptosis in the gastrointestinal (GI) tract and related organs. It is also expected that each application demonstrate experience in nutrition and cancer prevention as well as in epigenetic research.

The evolution and vitality of the biomedical sciences require a constant infusion of new ideas, techniques, and points of view. These may differ substantially from current thinking or practice and may not yet be supported by substantial preliminary data. By using the R21 mechanism, the NIH seeks to foster the introduction of novel scientific ideas, model systems, tools, agents, targets, and technologies that have the potential to substantially advance biomedical research.

For further information: <http://grants.nih.gov/grants/guide/pa-files/PA-06-413.html>

Exploratory Investigations in Food Allergy (R21)

Department of Health and Human Services (HHS)

Deadline: June 19, 2009

The goal of this Funding Opportunity Announcement (FOA) is to support high impact, innovative exploratory/developmental investigations to determine the mechanisms of IgE-mediated food allergy and related co-morbid conditions using ex vivo studies with human specimens and studies with current or new animal models of food allergy. This initiative is supported by co-sponsoring organizations including the Food Allergy Initiative and the Food Allergy and Anaphylaxis Network

For further information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-011.html>

PHYSICAL SCIENCES & MATHEMATICS

See also opportunities listed under MULTIPLE DISCIPLINES

Postdoctoral Fellowships in Lunar Science and Exploration

The Universities Space Research Association's Lunar and Planetary Institute

Deadline: First review of applications will begin May 1, 2009 (no firm application deadline)

The Universities Space Research Association's Lunar and Planetary Institute (LPI), in Houston TX, invites applications for several postdoctoral fellowships in lunar science and exploration.

Successful candidates will join Dr. David A. Kring and over two dozen other scientists in the new Center for Lunar Science and Exploration (CLSE), which was recently selected to form part of the science core of the NASA Lunar Science Institute (NLSI). The goals of the Center's

activities are to address NASA's highest lunar science priorities and assist with a new generation of exploration activities in preparation of a crewed landing in 2020. Successful candidates will work at LPI and/or in the Astromaterials Research and Exploration Science (ARES) group at the Johnson Space Center (JSC) in one of three areas:

- Petrologic and geochemical analyses of lunar impact lithologies
- Petrologic and geochemical analyses of the lunar regolith
- Spectral and/or image analyses of the lunar surface using orbital data

Successful candidates must have a recent Ph.D. in petrology, geochemistry, or planetary remote sensing. The positions will be for two years. Applicants should send

- a letter of interest citing this CLSE advertisement
- a curriculum vita with a list of publications
- a two to three page statement of research interests
- a list of three references

For further information: www.lpi.usra.edu/nlsi or email kring@lpi.usra.edu

USRA Scholarship Program

The Universities Space Research Association's Lunar and Planetary Institute

Deadline: May 1, 2009

The USRA Scholarship Program provides college scholarships to students who have shown a career interest in the physical sciences or engineering with an emphasis on space research or space science education.

Scholarships are available in amounts up to \$1,000.

To be considered for any USRA Scholarship, applicants must be full-time undergraduate students attending a four-year accredited college or university that offers courses leading to a degree in physical sciences or engineering. Applicants must have completed at least two (2) years of college credits by the time the award is received, and applicants must be U.S. citizens.

For further information: http://www.usra.edu/cs/usra_scholarship_program

Hydrologic Sciences - NSF 09-538

National Science Foundation (NSF)

Deadline: June 1, 2009

This program focuses on the flow of water and transport processes within streams, soils, and aquifers. Particular attention is given to spatial and temporal heterogeneity of fluxes and storages of water, particles, and chemicals coupling across interfaces with the landscape, microbial communities, and coastal environments, to upscaling and downscaling given these heterogeneities and interfaces and how these processes are altered by climate and land use changes. Studies may address aqueous geochemistry as well as physical, chemical, and

biological processes within water bodies. These studies commonly involve expertise from many basic sciences and mathematics, and proposals often require joint review with related programs.

For further information: <http://www.nsf.gov/pubs/2009/nsf09538/nsf09538.htm>

Ocean Biology and Biogeochemistry - NNH09ZDA001N-OBB

National Aeronautics and Space Administration (NASA)

Deadline: June 1, 2009

NASA's Ocean Biology and Biogeochemistry program focuses on describing, understanding, and predicting the biological and biogeochemical regimes of the upper ocean as determined by remote observation of aquatic optical properties from space, aircraft, and other suborbital platforms. Main goals include the following:

1. Understanding and quantifying the impacts and feedbacks of Earth System processes, particularly oceanographic mechanisms, on the global and regional spatial and temporal variability of ocean biology, including phytoplankton and organisms from other trophic levels
2. Understanding and quantifying the impacts and feedbacks of Earth System processes, particularly oceanographic mechanisms, on the global and regional spatial and temporal variability of ocean biogeochemistry, including carbon sources and sinks and the fate of other chemical species or constituents in the ocean
3. Exploring the development of new biological and biogeochemical observations beyond traditional ocean color (e.g., phytoplankton chlorophyll a) from space-based assets, as well as furthering the climate research enabled by existing time series of climate observations (Earth System Data Records)
4. Improving future climate predictions (impacts and feedbacks) by incorporating a dynamic understanding of ocean biology and biogeochemistry into global biogeochemical and ecological models to understand the ocean's role in the Earth System

For further information:

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId=%7b64F99A6F-0AF1-ABEA-7221-30728FD9DDD7%7d&path=open>

Enhancing the Mathematical Sciences Workforce in the Twenty-First Century (EMSW21) - NSF 05-595

National Science Foundation (NSF); Directorate for Mathematical and Physical Sciences (MPS); Division of Mathematical Sciences (DMS)

Deadline: June 2, 2009

The long-range goal of the EMSW21 program is to increase the number of well-prepared U.S. citizens, nationals, and permanent residents who pursue careers in the mathematical sciences and in other NSF-supported disciplines. EMSW21 tries to do this with three separate components: The Vertical Integration of Research and Education (VIGRE) program supports activities that involve the entire department and span the entire spectrum of educational levels from undergraduates through postdoctoral associates; Research Training Groups (RTG) support the

training activities of a group of faculty who have a common research interest; Mentoring through Critical Transition Points (MCTP) involves a larger group of faculty but focuses on specified stages in the professional development of the trainees.

Please Note: No proposals requesting support under the VIGRE component of the EMSW21 solicitation will be accepted for the June 2009 submission date (i.e., for the FY2010 competition). For further information applicants should see the "Dear Colleague" letter NSF 08-75.

For further information: <http://www.nsf.gov/pubs/2005/nsf05595/nsf05595.htm>

Special Grant Program in the Chemical Sciences

Camille and Henry Dreyfus Foundation, Inc.

Deadline: Pre-proposal: June 4, 2009

Invited proposal: November 12, 2009

The Camille and Henry Dreyfus Special Grant Program in the Chemical Sciences offers support to eligible institutions for innovative projects. The Special Grant program is intended to strengthen chemistry teaching and research, with the expectation that awardees will find continuing funding from other sources. However, proposals are invited in any area consistent with the foundation's basic objectives in the chemical sciences and not covered by other foundation programs.

The foundation prefers to fund projects that are not already receiving substantial support from government agencies or other foundations. Project research grants would not customarily qualify. Past areas of support include development of curricular and instructional materials, including new media; institutional enhancement of education and research; public understanding of the role of chemistry in society, and encouragement of high school students and teachers.

For further information: http://www.dreyfus.org/awards/special_grant_program_chemical.shtml

Geophysics Program - NSF 09-539

National Science Foundation (NSF)

Deadline: June 5, 2009

The program supports basic research in the physics of the solid earth to explore its composition, structure, and processes. Laboratory, field, theoretical, and computational studies are supported. Topics include seismicity, seismic wave propagation, and the nature and occurrence of earthquakes; the earth's magnetic, gravity, and electrical fields; the earth's thermal structure; and geodynamics. Supported research also includes geophysical studies of active deformation, including geodesy, and studies of the properties and behavior of earth materials in support of geophysical observation and theory.

For further information: <http://www.nsf.gov/pubs/2009/nsf09539/nsf09539.htm>

Planetary Astronomy - NNH09ZDA001N-PAST

National Aeronautics and Space Administration (NASA)

Deadline: June 5, 2009

The Planetary Astronomy program supports ground-based telescopic observations that contribute to the understanding of the general properties and evolution of the Solar System planets and their satellites, and of asteroids and comets. The Planetary Astronomy program includes observations and analysis of data taken over entire range of wavelengths from the ultraviolet to radio.

Although the investigations proposed to this program must contain an element of ground-based observing, the thrust of the research objectives must support NASA's planetary program objectives that either cannot be met by current spacecraft missions or that directly support specific current flight missions.

For further information:

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId=%7b40121960-DA38-AF7D-D9C4-5277F79549EE%7d&path=open>

Tectonics - NSF 09-542

National Science Foundation (NSF), Directorate for Geosciences (GEO)

Deadline: July 6, 2009

The Tectonics Program supports a broad range of field, laboratory, computational, and theoretical investigations aimed at understanding the formation, evolution, and deformation of continental lithosphere through time. Proposals to elucidate the processes that act on the lithosphere at various time-scales and length-scales, either at depth or the surface, are encouraged. Because understanding such large-scale phenomena commonly requires a variety of expertise and methods, the Tectonics Program supports integrated research involving the disciplines of structural geology, petrology, geochronology, sedimentology, stratigraphy, geomorphology, rock mechanics, paleomagnetism, geodesy, and other geophysical techniques.

For further information: <http://www.nsf.gov/pubs/2009/nsf09542/nsf09542.htm>

SOCIAL SCIENCES

See also opportunities listed under HUMANITIES; INTERNATIONAL AREA STUDIES; and MULTIPLE DISCIPLINES

Juvenile Justice and Delinquency Prevention Act (JJDP) Grants

Kansas Juvenile Justice Authority

Deadline: June 12, 2009

Title II Formula Grants-Under the Title II Formula program any community based service provider organization or local unit of government is eligible to apply for funds. However, funding of any local private non-profit agency is permitted only if such agency is denied local

funding. Applicants may subcontract any or all of the required activities, but are not required to do so.

Title V Grants- Title V grants were created in response to the demonstrated need for comprehensive, local delinquency prevention planning and programming that focuses on reducing risks and enhancing protective factors to prevent youth from entering the juvenile justice system. The funds received by a State are intended to be a funding source for general local units of government to support the established three-year community plan to address prevention and delinquency.

Juvenile Accountability Block Grants- The State of Kansas receives funding from the Juvenile Accountability Block Grant (JABG). The State has received a waiver to retain most of the funds at the State level for state wide projects which benefit all judicial districts. A few large units of government, such as Sedgwick or Johnson County, meet the \$10,000 threshold and are eligible to receive a direct award under the waiver. Both state and local units of government must provide a 10 percent of the total program cost as a cash match. There is no time limit to the funding cycle. Only State and local units of government are eligible to receive an award and must establish a JABG Advisory Board. The Advisory Board is responsible for oversight and the development of a coordinated enforcement plan for reducing juvenile crime. The advisory board, unless impracticable must include individuals representing the police, sheriff, prosecutor, probation services, juvenile court, schools, business and social service organizations involved in crime prevention.

Juvenile Delinquency Prevention Trust Fund Grants-The purpose of the Kansas Juvenile Delinquency Prevention Trust Fund grant program is "to further the purpose of juvenile justice reform, including rational prevention programs and programs for treatment and rehabilitation of juveniles and to further the partnership between state and local communities." 75-7021 Kansas Juvenile delinquency prevention trust fund; expenditures; grant criteria. The Prevention Trust Fund is funded through District Court fees. Public and private youth serving organizations, public and private K-12 schools, state and local units of government and combinations of such units are eligible to apply. Applicants may subcontract any or all of the required activities, but are not required to do so. Juvenile Delinquency Prevention Trust Fund dollars must be used to further the purpose of juvenile justice reform, through primary and secondary prevention programs serving youth between the ages of 0-17. The proposed programs should be consistent with the Judicial District's Comprehensive Plan. The Prevention Trust Fund has a five-year funding cycle requiring an increased local match for each year of funding. The purpose of the match is to encourage sustainability of the program through local ownership and increasing the resources available to the project. Match can be either cash or in-kind. Projects will be awarded for 12 months. Subsequent funding is contingent upon performance.

For further information: http://www.kansas.gov/jja/Grants/Federal_Grants/index.html

Broad Agency Announcement - Training, Leader Development, and Soldier/Personnel Issues

United States Department of Defense (DOD); Department of the Army; U.S. Army Research Institute for the Behavioral and Social Sciences (ARI); Basic Research Office (BRO)

Deadline: June 30, 2009

The U.S. Army Research Institute (ARI) is soliciting proposals for its contract program of research and development in the social sciences and humanities. Under this particular announcement, proposals are sought in the areas of training, leader development, and soldier or personnel issues.

For further information: <http://www.fbo.gov/spg/USA/DSS-W/DASW01/DASW01%2D04%2DR%2D000101A/listing.html>

Archaeology and Archaeometry

National Science Foundation (NSF)

Deadline: July 1, 2009

The Archaeology Program provides support for anthropologically relevant archaeological research at both a "senior" and doctoral dissertation level. It also funds anthropologically significant archaeometric research. High-risk exploratory research proposals are accepted for consideration and a description of these competitions is provided in the Archaeology Program Overview. More information on the Doctoral Dissertation Improvement Grants is available at <http://www.nsf.gov/sbe/bcs/arch/suppdiss.jsp>.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11690

Linguistics

National Science Foundation, Directorate for Social, Behavioral, and Economic Sciences (SBE)

Deadline: July 15, 2009

This program supports scientific research that focuses on human language as an object of investigation. The program supports research on the syntactic, semantic, phonetic, and phonological properties of individual languages and of language in general; the psychological processes involved in the use of language; the development of linguistic capacities in children; social and cultural factors in language use, variation, and change; the acoustics of speech and the physiological and psychological processes involved in the production and perception of speech; and the biological bases of language in the brain.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5408

Social Psychology Program

National Science Foundation (NSF)

Deadline: July 15, 2009

The program supports basic research on human social behavior, including cultural differences, and development over the life span. Among the many research topics supported are attitude formation and change, social cognition, personality processes, interpersonal relations and group processes, the self, emotion, social comparison and social influence, and the psychophysiological and neurophysiological bases of social behavior.

The scientific merit of a proposal depends on four important factors:

1. The problems investigated must be theoretically grounded.
2. The research should be based on empirical observation or be subject to empirical validation.
3. The research design must be appropriate to the questions asked.
4. The proposed research must advance basic understanding of social behavior.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5712

MULTIPLE DISCIPLINES

Incorporating Cost-Effectiveness Analysis Into Factors Affecting Quality-of-Life Health Related Research (R01)

National Institutes of Health (NIH)

Deadline: May 18, 2009

This Funding Opportunity Announcement (FOA) issued by the National Institute of Nursing Research (NINR), the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), National Institutes of Health, solicits Research Project Grant (R01) applications to study cost-effectiveness of interventions that will improve health outcomes. The focus on the use of cost-effectiveness analysis is necessary in order to expand the knowledge base, increase awareness of the value of cost-effectiveness utilization, and to identify the next steps for incorporating cost-effectiveness analysis into translational research and patient-focused interventions pertinent to health-related quality of life. In addition to interest in cost-effectiveness analyses affiliated with acute and chronic health problems, this FOA is especially interested in applications that focus on the science areas of quality of life (self-management and symptom management) health promotion/disease prevention, as well as studies using new technologies and improving research methods. This FOA builds on a cost-effectiveness workshop sponsored by the National Institute of Nursing Research (NINR) and The Johns Hopkins University in 2004 and a subsequent cost-effectiveness workshop sponsored by NINR and the Office of Rare Diseases (ORD) in 2008.

For further information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-09-005.html>

Integrating Biobehavioral and Sociocultural Research to Prevent HIV Transmission and Infection (R21)

Department of Health and Human Services (HHS)

Deadline: June 16, 2009

This FOA solicits Research Project (R21) grant applications from applicant organizations to develop theoretically grounded approaches to prevention of HIV infection and transmission that incorporate biobehavioral approaches in studies that are culturally appropriate. Biobehavioral approaches may be biomedical, or they may consist of behavioral interventions using biological markers of efficacy. Sociocultural appropriateness involves, at minimum, application of knowledge of the norms, beliefs and values of potential research subjects in varied contexts, and an appreciation of culture as dynamic. It is anticipated that such knowledge will improve both the quality and applicability of research among the diverse populations affected by the pandemic, in the United States or abroad.

Intervention and pre-intervention studies are welcomed, but descriptive ethnographic and epidemiological research is still needed in some areas. For example, descriptive research may delineate the impact of cultural variables on behaviors that impede or promote biological markers (e.g., seroconversion), lead to a better understanding of ethical concerns in biomedical preventive studies, or may illuminate as yet unrecognized issues concerned with adherence to prevention interventions. Intervention studies should evaluate the efficacy of biomedical interventions, or of behavioral interventions that also use biological variables, in light of the sociocultural context.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-08-189.html>

Technology Innovation Program (TIP)

United States Department of Commerce (DOC)

Deadline: July 13, 2009

NIST's Technology Innovation Program (TIP) announces that it is seeking white papers from any interested party. White papers will be used to identify and select areas of critical national need to be addressed in future TIP competitions. In this call for white papers, TIP is seeking information in all areas of critical national need, but also seeks information to assist TIP in further defining several topic areas under development. White papers that address any of the following areas may further develop the definition and scope of the critical national need suggested by these topic areas, and should additionally identify and explain specific societal challenges within these critical national need areas that require a technical solution. White papers may discuss any critical national need area of interest to the submitter, or may address any of the following topic areas:

1. **Civil Infrastructure:** Civil infrastructure constitutes the basic fabric of the world in which we live and work. It is the combination of fundamental systems that support a community, region, or country. The civil infrastructure includes systems for transportation (airport facilities, roads, bridges, rail, waterway locks); and systems for water distribution and flood control (water distribution systems, storm and waste water collection, dams, and levees). New construction

approaches and materials to improve the infrastructure and for mitigating the expense of repairing or replacing existing infrastructure appear to be areas with the potential for specific societal challenges within this area of critical national need.

2. Complex networks and complex systems: Society is increasingly dependent on complex networks like those used for energy delivery, telecommunication, transportation, and finance over which we have very imperfect control. No single organization and no collection of organizations have the ability to effectively control these multi-scale, distributed, highly interactive networks. Complex network theory will also be important in modeling neural systems, molecular physiological response to disease, and environmental systems. The current technical and mathematical methodologies that underpin our ability to simulate and model physical systems are unable to predict and control the behavior of complex systems. Stability and control of these networks can have far reaching consequences to our quality of life.

3. Energy: From agriculture to manufacturing, all endeavors require energy as input. Escalating energy demands throughout the world can lead to national security challenges, financially challenge national economies, and contribute to environmental alterations. Although heavily supported projects exist in energy research, there remain technical roadblocks that affect full deployment of new and emerging energy technologies.

4. Ensuring Future Water Supply: As the Nation's population and economy grow, greater demands are being placed on freshwater resources. At the same time, temporary or permanent drought conditions and water access rights affect regional freshwater availability. Water needs threaten to outstrip available freshwater, now and in the future. Water quality, both in terms of decontamination and disinfection of water supplies, is also being pressured by emerging contaminants that must either be removed from distributed water or converted to harmless forms of waste. Food contaminations are often traced back to water contaminations, either in the field or in processing. Municipal waste streams and irrigation runoff waste resources that are not recovered.

5. Manufacturing: Manufacturing is a vital part of our nation's economy, which now is facing increasing global competitiveness challenges, regulations and controls over environmental and resource issues, and other economic pressures. Technical advances have at times been able to address productivity and other issues, but the recent pressures on the manufacturing community have hindered their ability to focus the necessary resources on longer term solutions that could lead to economic growth in this sector which the nation needs.

6. Nanomaterials/nanotechnology: The unique properties of nanomaterials provide extraordinary promise. There is a need for greater understanding and solutions to overcome the barriers associated with manufacturing nanomaterials and their incorporation into products, while maintaining the unique functionality of the nanomaterial. Although many processes are achievable in the laboratory, the scale-up to industrial production without compromising the quality of the produced material can be highly problematic.

7. Personalized Medicine: Healthcare spending per capita in the United States is high and rising and currently approved drugs work only in a fraction of the population. Doctors are unable to

select optimal drug treatments and dosages based on the patient's unique genetics, physiology, and metabolic processes, resulting in a trial and error component in treatment. As a consequence, significant expenditures go for drugs that are ineffective on subsets of patients, and a clearer understanding of which patients may suffer side effects from prescribed medicine is lacking. The key to patient response lies in greater understanding of both genetic variability and environmental influences on disease mechanisms.

8. Sustainable Chemistry: The products and processes created through chemical transformations underpin virtually every facet of our economy today, from healthcare to materials to energy. Many industrial-scale chemical processes, however, can have significant negative impacts on the environment that require costly waste prevention controls. These chemical processes also can pose safety risks to human health that might be mitigated through new chemicals. In addition, many processes are highly energy intensive which contributes to increasing costs. Sustainable chemistry seeks to lessen such impacts by the use of safer materials in chemical processes, by substitution of new products with similar properties to existing products, and by reducing the energy intensity of the unit operations within the chemical manufacturing industry.

For further information:

http://www.nist.gov/public_affairs/techbeat/tbx2008_1219_tip_white.htm

Healthy Eating Research/Active Living Research Rapid Response Grants

Robert Wood Johnson Foundation (RWJF)

Deadline: Letters of intent: July 17, 2009

Invited full proposals: August 14, 2009

Active Living Research and Healthy Eating Research are national programs of the Robert Wood Johnson Foundation (RWJF) that support research to identify promising policy and environmental strategies for increasing physical activity, promoting healthy eating and preventing obesity. This call for proposals (CFP) supports time-sensitive, opportunistic studies to evaluate changes in policies or environments with the potential to reach children who are at highest risk for obesity, including African-American, Latino, Native American, Asian American and Pacific Islander children (ages 3 to 18) who live in low-income communities or communities with limited access to affordable healthy foods and/or safe opportunities for physical activity. Research studies may focus on one or both sides of the energy balance equation - on physical activity (including sedentary behavior), healthy eating or both. Studies funded under this CFP are expected to advance RWJF's efforts to reverse the childhood obesity epidemic by 2015.

Up to \$1.675 million total will be awarded for rapid-response research grants, with the majority of funds in this CFP focused on physical activity studies.

For further information: <http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20681>