Funding Opportunities Bulletin
2008

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If questions regarding *COS*, please contact Alicia Reed at amreed@ku.edu or 864-7771, or Dan Coonfield at dcoonfie@ku.edu or 864-7404.

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

BUSINESS

See also opportunities listed under MULTIPLE DISCIPLINES

Partnerships for Innovation (PFI) - NSF 08-583
National Science Foundation (NSF)
Due date: Oct 31, 2008

The goals of the PFI program are to (1) stimulate the transformation of knowledge created by the research and education enterprise into innovations that create new wealth; build strong local, regional, and national economies; and improve the national well-being; (2) broaden the participation of all types of academic institutions and all citizens in activities to meet the diverse workforce needs of the national innovation enterprise; and (3) catalyze or enhance enabling infrastructure that is necessary to foster and sustain innovation in the long-term. To develop a set of ideas for pursuing these goals, this competition will support promising partnerships among academe, the private sector, and state/local/federal government that will explore new approaches to support and sustain innovation.

For further information: http://www.nsf.gov/pubs/2008/nsf08583/nsf08583.htm

Grants Program
National Endowment for Financial Education (NEFE)
Due date: Dec 02, 2008

The National Endowment for Financial Education (NEFE) is a Denver-based, nonprofit foundation dedicated to helping Americans acquire the information and gain the skills necessary to take control of their financial lives. The grants program seeks innovative research and

research-based development projects that can make a profound contribution to the field of financial literacy. Inquiries from disciplines in fields as diverse as behavior, economics, neuroscience, sociology, psychology, marketing, finance, education, change theory, decision sciences, and others are encouraged. Project outcomes should be actionable in the field of financial literacy, directly relevant to the financial well-being of the public, and have the ability to be applied broadly.

For further information: http://www.nefe.org/tabid/127/Default.aspx

Business and International Education Program - 84.153A
United States Department of Education (ED)
Due date: Dec 12, 2008

The purpose of the program is to provide grants both to enhance international business education programs and expand the capacity of the business community to engage in international economic activities.

For further information: http://www.ed.gov/programs/iegpsbie/index.html

EDUCATION

See also opportunities listed under MULTIPLE DISCIPLINES

Education Policy, Finance, and Systems - 84.305A
United States Department of Education (ED), Institute of Education Sciences (IES)
National Center for Education Research
Due date: Oct 02, 2008

The Institute of Education Sciences (IES) intends for the Education Policy, Finance, and Systems (Policy/Finance) research program to address the following five goals:
1. Identifying policies, systemic programs or practices, and education finance programs or practices that are associated with better student outcomes (e.g., student learning, high school graduation rates)
2. Developing new policies, education finance and systemic practices that are intended to improve student outcomes either directly or indirectly by improving the teaching and learning environment
3. Evaluating the efficacy of education policies, education finance programs and practices, and systemic programs and practices that are intended to improve student outcomes either directly or indirectly by improving the teaching and learning environment
4. Evaluating the impact of policies, finance programs and practices, and other systemic practices that are implemented at scale and are intended to improve student outcomes either directly or indirectly by improving the teaching and learning environment
5. Developing and testing cost accounting tools and measurement systems that will enable education administrators to link student-level resources to student-level achievement data

Under the Policy/Finance program, applications must address

- policy, finance, or systems-level interventions intended to improve student outcomes (e.g., reading, mathematics, attendance, graduation rates) directly or indirectly for education systems that include kindergarten through high school; or
- cost accounting, budgeting, or other measurement tools that will enable education administrators to link student-level resources to student-level learning outcomes for education systems that include kindergarten through high school.

For further information: http://ies.ed.gov/ncer/funding/edpolicy/index.asp

Grants
Braitmayer Foundation
Due date: Nov 15, 2008

The Braitmayer Foundation is a family foundation whose purpose is to encourage innovative programs to enhance the quality of education at the precollegiate level. The foundation is interested in K-12 education throughout the United States. Of particular interest are (1) curricular and school reform initiatives and (2) preparation of and professional development opportunities for teachers, particularly those which encourage people of high ability and diverse background to enter and remain in K-12 teaching. In addition, the Braitmayer Foundation provides modest support of activities in Marion, Massachusetts and surrounding communities that will improve the quality of life for residents in the area.

For further information: http://www.braitmayerfoundation.org/guid.htm

MCH Distance Learning
Department of Health and Human Services (HHS)
Health Resources and Services
Due date: Dec 07, 2008

This program supports the development, implementation, creative utilization, application, and evaluation of distance education opportunities for maternal and child health (MCH) professionals. Consistent with the MCHB Strategic Plan (MCH Training), MCHB is particularly interested in topics such as MCH leadership competencies, cultural competency and family centered care, and best practices in interdisciplinary training. In addition, at least one Distance Learning grant will be targeted towards the translation of new evidence-based knowledge into policy and practice. Projects must provide continuing education to a regional and/or national audience.

For further information:
https://grants.hrsa.gov/webexternal/FundingOppDetails.asp?FundingCycleId=E2975910-74B0-4F87-BB12-E88761D84D1B&ViewMode=EU&GoBack=&PrintMode=&OnlineAvailabilityFlag=True&pageNumber=1&Popup=

AERA-AIR (A2) Fellows Program
American Educational Research Association (AERA)
Due date: Dec 17, 2008

The American Educational Research Association (AERA) and the American Institutes for Research (AIR) announce the AERA-AIR (A^2) Fellows Program. This program aims to build the talent pool of highly skilled education researchers experienced in working on large-scale studies in major research environments. The A^2 Fellows program is designed to support early career scholars by providing intensive research and training opportunities to recent doctoral recipients in fields and disciplines related to the scientific study of education and education processes. A primary aim of the A^2 Fellowship is to increase the number of underrepresented minority professionals conducting advanced research or providing technical assistance.

The program provides a two-year, rotational position at AIR in Washington, DC, during which A^2 Fellows will receive mentoring from a diverse group of highly recognized researchers and practitioners in a variety of substantive areas in education. Fellows will hone their skills in all aspects of the research process from proposal development through writing and presentations. Further, they will gain practical experience in how to secure funding for education research and technical assistance projects and will expand their professional contacts in order to prepare them for productive research careers in a range of employment contexts.

For further information: http://www.aera.net/fellowships/?id=698

ENGINEERING & COMPUTER SCIENCE

See also opportunities listed under MULTIPLE DISCIPLINES

Control Systems (CS)
National Science Foundation (NSF)
Due date: Oct 01, 2008

The CS program supports innovative research on control theory and control technology driven by real life applications. The program accepts proposals on transformative research in established topic areas such as model-based control. However, the program emphasis is on paradigm-shifting ideas for control strategies that may be inspired by nature, unconventional applications, and the combined role of feedback and uncertainty in systems that incorporate large numbers of sensors and actuators. New sensor and actuator concepts that integrate feedback and signal processing to achieve a sensing or actuation objective are also funded.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13575

Sensors and Sensing Systems (SSS)
National Science Foundation (NSF)
Due date: Oct 01, 2008

The SSS program supports research on methods to acquire and use sensor data on civil, mechanical, and manufacturing systems. The program supports fundamental research on advanced actuators, sensors, wireless sensor networks, new materials and concepts for sensing applications, power generation and energy supply for sensors and sensing systems. Also of interest is research on the strategic incorporation of sensors into both natural and engineered systems to achieve effective data acquisition and on processing and transmission of sensor data.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13349

Vortex-Particle Dynamics, Interaction and Control for Brownout Mitigation - BAA-07-036, topic #13
United States Department of Defense (DOD)
Due date: Oct 23, 2008

The MURI program supports basic science and engineering research of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline. By supporting multidisciplinary teams, the program is complementary to other DOD programs that support university research through single-investigator awards.

The objective of this topic is to develop the fundamental scientific understanding to enable large-scale manipulation and control of vortex-particle dynamics of aircraft and rotorcraft maneuvering in ground effect. Goals for this effort include
- development of physically based predictive models for unsteady fluid-structure interactions of two-phase flows by integrating theoretical, numerical and experimental methods;
- identification and exploitation of fluidstructural interactions to control two phase flows; and
- small-scale flight demonstration of aircraft or rotorcraft vortex-particle manipulation and control while maneuvering in ground effect.

Research areas of interest include, but are not limited to
- physics of unsteady two-phase flows (solid-gas/liquid-gas);
- non-homogeneous particle entrainment;
- unsteady fluid-structure interactions of recirculating flows with fuselage, aerodynamic surfaces and propulsion system;
- multi-scale modeling techniques;
- integration of theoretical, numerical and experimental analysis techniques; and
- two-phase flow control methodologies.

For further information: http://www.grants.gov/search/search.do?oppId=14530&mode=VIEW

Nanocatalysis for Propulsion Applications - BAA-07-036, topic #12
United States Department of Defense (DOD), Department of the Navy
Due date: Oct 23, 2008

The MURI program supports basic science and engineering research of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline. By supporting multidisciplinary teams, the program is complementary to other DOD programs that support university research through single-investigator awards.

The objective of this topic is to develop an understanding of the unique properties of nanostructures as catalysts and develop methods by which they can be exploited in propulsion systems. This involves developing an understanding of the detailed relationships between the structure, geometry, and morphology of the nanostructures and their catalytic properties. The role of interactions between metal catalysts and supports, catalytic active sites, promoters, and other participants in the catalytic process will be investigated. The underlying principles of interaction will be elucidated and the widespread utility and feasibility of this approach will be demonstrated. Areas of interest include
- understanding the fundamentals of catalytic processes including interactions between metal atoms and metal oxide support, charge donation, and charge transfer and their role in determining catalytic properties;
- understanding the role and effects of water, impurities, contaminants, temperature and pressure on catalytic performance;
- understanding the aging and long time behavior of catalysis including issues of mobility, sintering, fouling, and temperature cycling;
- developing methods to theoretically model, predict, and design catalytic systems for propulsion applications, including the ability to control catalytic performance and properties;
- developing multifunctional catalysts that can be easily dissolved or suspended in fuels; and
- demonstrating the selectivity and efficiency of nanostructured catalysts on model hydrocarbon systems.

For further information: http://www.grants.gov/search/search.do?oppId=14530&mode=VIEW

Ceramics (CER)
National Science Foundation (NSF)
Due date: Nov 07, 2008

The Ceramics (CER) program supports research investigating the characteristics of ceramic materials as they relate to the complex interplay among processing, development, and manipulation of microstructure, and properties and their ultimate performance in various applications and environments. The materials studied include oxides, carbides, nitrides, and other ceramics, including diamond and carbon-based materials. The microstructures investigated range from crystalline, polycrystalline, and amorphous to composite and nanostructured. Potential uses include, but are not limited to, electronic and electrical, electrochemical, structural, optical or photonic, and biological or medical applications.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5352

Research Experiences for Teachers (RET) in Engineering - NSF 07-557
National Science Foundation (NSF)
Due date: Nov 17, 2008

This program supports the active involvement of K-12 teachers and community college faculty in engineering research in order to bring knowledge of engineering and technological innovation into their classrooms. The goal is to help build long-term collaborative partnerships between K-12 science, technology, engineering, and mathematics (STEM) teachers, community college faculty, and the NSF university research community by involving the teachers in engineering research and helping them translate their research experiences and new knowledge of engineering into classroom activities. Partnerships with inner city schools or other high need schools are especially encouraged, as is participation by underrepresented minorities, women, and persons with disabilities. This announcement features two mechanisms for support of in-service and pre-service K-12 teachers and/or community college faculty: RET supplements to ongoing ENG awards and new RET Site awards. RET supplements may be included in proposals for new or renewed NSF Directorate for Engineering (ENG) grants or as supplements to ongoing NSF ENG funded projects. RET Sites are based on independent proposals from engineering departments, schools or colleges to initiate and conduct research participation projects for a number of K-12 teachers and/or community college faculty

For further information: http://www.nsf.gov/pubs/2007/nsf07557/nsf07557.htm

Young Investigator Program (YIP)
United States Department of Defense (DOD)
Due date: Jan 11, 2009

The Office of Naval Research announces its Young Investigator Program to identify and support academic scientists and engineers who have recently received Ph.D. or equivalent degrees and who show exceptional promise for doing creative research. The objectives of this program are to attract outstanding faculty members of institutions of higher education to the Navy's research program, to support their research, and to encourage their teaching and research careers.

Research interest areas include the following:
1.Mathematical, computer, and information science
2. Electronics
3. Surveillance, communications, and electronic combat
4. Ocean, atmosphere, and space sensing and systems
5. Ocean, atmosphere, and space processes and prediction 6. Physical sciences science and technology
7. Materials science and technology
8. Mechanics and energy conversion science and technolgy
9. Ship structures and systems science and technology
10. Medical science and technology

11. Cognitive, neural, and biomolecular science and technology
12. Strike technology
13. Manufacturing science and technology

For further information: http://www.onr.navy.mil/sci_tech/3t/corporate/yip.asp

Network Centric Warfare (2.2.11) - N61339-02-R-0071
United States Department of Defense
Due date: Jan 30, 2009

This broad agency announcement (BAA) is intended to cover research and development in the area of Live Fire Test and Training (LFT&T) technology, which includes joint service interest in alternative uses for simulation and synthetic environment technologies that can mutually benefit both military training and Live Fire Test and Evaluation (LFT&E).

Network Centric Warfare entails utilizing an information network that uses advances in communication and computing technology to connect widely dispersed and diverse forces into an effective and coordinated team. Our forces must have a significant information advantage in tomorrow's warfare arena. Units can no longer depend on information being passed along; rather, they must be able to act on changing situations as they happen, to exploit weaknesses and counter enemy strategies, and to accomplish their overall mission. Speed of command and execution flexibility are key tenets of this new doctrinal focus. The objective of this focus area is to improve battlespace awareness so that forces can employ the best weapons on the right targets at the right time while reducing risk to themselves and increasing the probability for success.

For further information:
http://www1.fbo.gov/spg/DON/NAVAIR/N61339/N61339%2D02%2DR%2D0071/Attachments.html

FINE ARTS

McKnight National Residency and Commission
Playwrights' Center
Due date: Dec 05, 2008

Supported by a grant from The McKnight Foundation, this program aids in the commissioning and production of new works from nationally recognized playwrights. The play is developed using the Playwrights' Center's resources and professional actors from the Twin Cities area. Only nationally recognized playwrights who have had at least two different plays fully produced by professional theaters are eligible. The playwrights must not reside in Minnesota. Minnesota-based playwrights are not eligible for this award.

For further information: http://www.pwcenter.org/fellows_residency.php

Independent Research on Venetian History and Culture - Predoctoral Grants
Delmas Foundation, Gladys Krieble, Venetian Research Program
Due date: Dec 15, 2008

The foundation announces its 2009-2010 program of predoctoral grants for travel to and residence in Venice and the Veneto. Grants will be awarded for historical research specifically on Venice and the former Venetian empire, and for study of contemporary Venetian society and culture. Disciplines of the humanities and social sciences are eligible areas of study, including (but not limited to)
- archaeology,
- architecture,
- art,
- bibliography,
- economics,
- history,
- history of science,
- law,
- literature,
- music,
- political science,
- religion, and
- theater

For further information: http://www.delmas.org/guidelines/v_ir_a.html

David L. Boren Graduate Fellowships
Institute of International Education (IIE)
Due date: Jan 30, 2009

The National Security Education Program (NSEP) David L. Boren Graduate Fellowships support students pursuing the study of languages, cultures, and world regions that are critical to United States interests (including Africa, Asia, Central and Eastern Europe, Eurasia, Latin America and the Caribbean, and the Middle East). NSEP areas of focus include the following:
1. U.S. National Security Focus
NSEP focuses on geographic areas, languages, and fields of study deemed critical to United States national security. It draws on a broad definition of national security applied by the President in his annual National Security Strategy, recognizing that the scope of national security has expanded to include not only the traditional concerns of protecting and promoting American well-being, but also the challenges of global society, including
- sustainable development,
- environmental degradation,
- global disease and hunger,
- population growth and migration, and
- economic competitiveness.

2. International Focus

NSEP Boren Fellowships are intended to provide or add to the international component of U.S. graduate students' educations. NSEP Boren Fellowships provides support for overseas study, domestic study, or a combination of both. Although study outside the United States is not required, successful applications generally include a significant overseas component.

3. Language Study
Study of a foreign language appropriate to the identified country or region must be an integral part of each application. The language component must incorporate opportunities to develop, maintain, or advance proficiency in a language, including instruction and application inside and outside the classroom setting.

For further information: http://www.iie.org/programs/nsep/graduate/default.htm

HUMANITIES

See also opportunities listed under MULTIPLE DISCIPLINES

Scholarly Editions Grants
National Foundation for the Arts and the Humanities
Due date: Nov 04, 2008

Scholarly Editions Grants support preparation by a team of editors and other editorial staff of authoritative and annotated texts and documents of value to humanities scholars and general readers. These materials have been either previously inaccessible or available only in inadequate editions. Projects involve the editing of significant literary, philosophical, and historical materials, but other types of work, such as the editing of musical notation, are also eligible.

Editions produced with NEH support contain scholarly and critical apparatus appropriate to the subject matter and format of the edition. Applicants should demonstrate familiarity with best practices recommended by the Association for Documentary Editing or the Modern Language Association Committee on Scholarly Editions.

The apparatus usually includes introductions and annotations that provide essential information about the form, transmission, and historical and intellectual context of the texts and documents involved. Proposals for editions of foreign language materials in the original language are eligible for funding, but proposals for editions of translated materials should be submitted to the Collaborative Research program.

Because comprehensive editions and printed volumes are expensive to produce, applicants are strongly encouraged to propose selected editions, microform editions, various forms of electronic publication, or some combination of these.

For further information: http://www.neh.gov/grants/guidelines/editions.html

Scholarly Communications
Mellon Foundation, Andrew W.
Due date: continuous

As part of the Mellon Foundation's support for higher education, this program focuses broadly on all stages in the life cycle of scholarly resources. The program complements fellowships and other kinds of support for research and teaching at research universities, liberal arts colleges, independent research centers, libraries, and museums by promoting the cost-effective creation, dissemination, accessibility, and preservation of high-quality scholarly resources in humanistic studies broadly defined.

Grantmaking occurs principally in five main categories:
1. New methods of creating scholarly resources
2. Innovations in scholarly publication
3. Cataloging and other forms of access
4. Preservation
5. Research and evaluation

The foundation is especially interested in developments that
- use forms of scholarly communications to stimulate collaborations among scholars and scholarly institutions in ways that substantially advance knowledge;
- foster the means economically to sustain forms of scholarly communication; and
- apply technology to forms of scholarly communications in order to improve quality, lower costs, speed up work, open new perspectives, or make work possible that would otherwise be difficult or impossible.

For further information:
http://www.mellon.org/grant_programs/programs/scholarlycommunications

National Endowment for the Humanities Fellowship
Huntington Library, Art Collections, and Botanical Gardens
Due date: Dec 15, 2008

The Huntington is an independent research center with holdings in British and American history, literature, art history, the history of science, and medicine. The library collections range chronologically from the ninth to the twentieth centuries and include a half million rare books and ephemera, 600,000 photographs, and approximately four million manuscripts supported by a half million reference works. Within the general fields listed above there are many areas of special strength, including: Middle Ages, nineteenth and twentieth century literature, history of science, British drama, colonial America, American civil war, Western America, and California. The art collections contain notable British and American paintings, fine prints, photographs, and an art reference library. In the library of the botanical gardens is a broad collection of reference works in botany, horticulture, and gardening. Recipients of all fellowships are expected to be in continuous residence at the Huntington and to participate in its intellectual life.

For additional information: http://www.huntington.org/ResearchDiv/Fellowships.html

Sounds of Living Grants: The Impact of Music Making
NAMM Foundation
Due date: Jan 02, 2009

Sounds of Living: The Impact of Music Making is a signature funding program of the NAMM Foundation supporting research that examines the role of active participation in music for children, youth, adults, and seniors. Research funded under the Sounds of Living initiative explores the effects of music learning and music-making outside of formal educational settings and expands the understanding of the role of music-making in health, wellness, socialization, and the inter-connections between mind, body, and spirit that contribute to wellness and overall quality of life.

The Sounds of Living funding program seeks proposals that examine the impact of specific programs or protocols including, but not limited to, recreational music-making, community drum circles, and music-making programs, both extant and emerging, that are serving people in communities and human-support service settings such as hospitals, clinics, youth service agencies, short- and long-term care facilities, and programs that serve persons with special needs. Studies can examine the impact of music-making at any stage, from novices to those actively engaged.

This request for proposals (RFP) seeks to support short-term research projects of not longer than nine months. Proposals are requested to conduct quantitative studies concerning the impact of specific music-making protocols or programs that have the potential for replication and use within human-service or community settings that address the needs of children, adolescents, or teenagers with and without special needs; or the needs of adults and seniors. Research design should reveal the effects or impact of prescribed music-making programs on health, wellness, and other social and psychological factors; qualitative data may be included to underscore quantitative results of the study.

For further information: http://www.music-research.org/Grants/guidelines.html

Translation Projects
National Foundation for the Arts and the Humanities
Due date: Jan 07, 2009

Through fellowships to published translators of exceptional talent, the Arts Endowment supports projects that involve the specific translation of prose, poetry, or drama from other languages into English. For the past several years, Translation Projects have operated on a two-year cycle with fellowships in prose available one year and fellowships in poetry available the next. This year, prose, poetry, and drama all are eligible for translation.

For further information: http://www.arts.endow.gov/grants/apply/LitTranslation/index.html

Institutional Grants Program
Academy of Motion Picture Arts and Sciences
Due date: Jan 15, 2009

The Academy Foundation, the educational and preservation wing of the Academy of Motion Picture Arts and Sciences, distributes grants through its Institutional Grants Program to a variety of film-related, nonprofit organizations, schools, and colleges. As an annual program, the Institutional Grants Program reflects one of the academy's fundamental purposes - "to foster educational activities between the public and the film industry, and to encourage an appreciation of the motion picture as an art form and a vocation."

Below are descriptions of the types of programs the Institutional Grants Committee will consider for funding. The list is not all-inclusive. Other film-related programs may also be funded as the committee wishes to encourage innovation and creativity. Eligibility of these programs will be determined on a case-by-case basis.
1. Craft Workshops and Conferences, in which college students, adults, or both are trained in one or more of the various craft fields of film production (e.g., directing, cinematography, screenwriting, editing, etc.).
2. Internship Programs, in which college students are placed in professional environments outside of their schools, either on film productions or in film-related offices.
3. Library and Archival Projects, in which the papers of filmmakers are preserved or made available to the public.
4. Screening Programs, especially those in which filmmakers interact with audiences.
5. Seminar Programs, in which film professionals discuss their work or particular aspects of the creation and distribution of films.
6. Teacher Training Programs, in which production techniques or film appreciation information (in the broadest sense) is presented for teachers to take back to their classrooms.
7. Training/Bridge Programs, in which college students, adults, or both are trained for and then placed in film industry jobs. This includes mentoring programs.
8. Visiting Artist Programs, especially those in which a filmmaker spends several days in residence at a college, university or media center.

For further information: http://www.oscars.org/grants/institutional/index.html

Latino Studies Fellowship Program
Smithsonian Institution (SI)
Due date: Jan 15, 2009

The Latino Studies Fellowship Program provides opportunities for scholars to pursue research topics that relate to Latino art, culture, and history. Interdisciplinary subjects are encouraged and can be undertaken at more than one of the Smithsonian museums or research units, and advised by one or more of the Smithsonian research staff members.

For further information: http://www.si.edu/ofg/fell.htm#

INTERNATIONAL AREA STUDIES

See also opportunities listed under HUMANITES and MULTIPLE DISCIPLINES

Projects That Enhance Teaching About Japan
Association for Asian Studies, Inc. (AAS)
Due date: Oct 01, 2008

The Northeast Asia Council (NEAC) of the Association for Asian Studies (AAS), in conjunction with the Japan-United States Friendship Commission (JUSFC), supports a variety of grant programs in Japanese studies designed to facilitate the research of individual scholars, to improve the quality of teaching about Japan on both the college and precollege levels, and to integrate the study of Japan into the major academic disciplines.

The grant category of Projects That Enhance Teaching About Japan is a flexible category of support for planning, workshops, and materials related to teaching about Japan or integrating Japan Studies topics in broader categories of instruction. Proposals for grants to teachers for instructional materials are also accepted within this category. Instructional materials grants may include books, CD-ROMS, videos and other materials that would assist faculty at small institutions who would otherwise be unable to obtain audiovisual materials for their Japan-related courses.

For further information: http://www.aasianst.org/grants/main.htm

National Endowment for the Humanities (NEH) Advanced Fellowships in the Humanities in Turkey
American Research Institute in Turkey (ARIT)
Due date: Nov 01, 2008

he American Research Institute in Turkey (ARIT) invites applications for advanced fellowships for research in Turkey, made possible by the National Endowment for the Humanities (NEH). The fields of study cover all periods in the general range of the humanities and include humanistically oriented aspects of the social sciences, prehistory, history, art, archaeology, literature, and linguistics, as well as interdisciplinary aspects of cultural history.

Turkish law requires foreign scholars to obtain formal permission to carry out research at institutions in Turkey. ARIT fellowship applicants are responsible for obtaining the research permission and visa. In general, researchers should seek permission to carry out research from the director(s) of the institution(s) where they intend to work; this includes researchers who wish to work in libraries housed in Turkish museums. However, researchers who wish to work in any other collections in the museums should make their applications through the Ministry of Culture and Tourism, General Directorate for Cultural Heritage and Museums. In addition, if the material they wish to work with is part of an excavation, researchers must submit a letter with their application signed by the excavation director giving permission.

For further information: http://ccat.sas.upenn.edu/ARIT/NEHFellowships.htm

Mellon Postdoctoral Fellowships in Near Eastern Studies
Cornell University, Society for the Humanities
Due date: Nov 01, 2008

The university welcomes candidates in the areas of Ottoman History or Iranian Studies for a two-year Mellon Postdoctoral fellowship, 2009-2011. The university is especially interested in candidates with broad borderlands and comparative interests, such as the Safavid-Ottoman/Qajar-Ottoman frontiers, religious or ethnic minorities in Ottoman-Iranian studies, or Turkish and Persian cultures, literatures, film, or art. Postdoctoral fellows teach one course per semester, a lower-level survey course and one upper-level seminar each year.

For further information: http://www.arts.cornell.edu/sochum/mellon_post-d_fellowships.html

AISLS Fellowship Program
American Institute for Sri Lankan Studies (AISLS)
Due date: Dec 01, 2008

The fellowships support two to nine months of research in Sri Lanka by U.S. citizens who already hold a Ph.D. or the equivalent at the time they begin their fellowship tenure. Projects in all fields in the social sciences and humanities are eligible. Proposals in other areas that contribute to the understanding of Sri Lankan history, culture, or society are also invited. Proposals will be judged on their quality, on the extent to which they fall into one of the targeted categories listed below, and on their potential to strengthen U.S. scholarship on Sri Lanka and develop links between U.S. and Sri Lankan scholars. All applications must address all three of these criteria. This program is funded by a grant from the Bureau of Educational and Cultural Affairs (ECA) at the U.S. State Department.

For further information: http://www.aisls.org/fellowship-directions.html

MEDICINE & LIFE SCIENCES

See also opportunities listed under MULTIPLE DISCIPLINES

American Cancer Society-Mary Hendrickson-Johnson Melanoma Professorship
American Cancer Society (ACS)
Due date: Dec 15, 2008

While both familial and environmental risk factors have been identified for melanoma, the critical molecular events in disease onset and progression remain unknown and there is need for further research. Because of the continued burden of this cancer and the need for additional research, the American Cancer Society (ACS) announces this Request for Applications for the American Cancer Society-Mary Hendrickson-Johnson Melanoma Professorship. The award is intended for an outstanding mid-career investigator who has made a seminal contribution that

has changed the direction of cancer research and who continues to provide leadership in this research area. Applications are requested from distinguished investigators in the area of melanoma research, including research in the areas of etiology, genetics, pathogenesis, diagnosis, or treatment of melanoma.

For further information:
http://www.cancer.org/docroot/RES/content/RES_5_2x_Melanoma_Professorship_RFA.asp?sitearea=RES

AFAR Research Grants
American Federation for Aging Research (AFAR)
Due date: Dec 17, 2008

The major goal of the American Federation for Aging Research (AFAR) Research Grant Program is to assist in the development of the careers of junior investigators committed to pursuing careers in the field of aging research. AFAR funds research projects concerned with understanding the basic mechanisms of aging. Projects investigating age-related diseases are also supported, especially if approached from the point of view of how basic aging processes may lead to these outcomes. Projects concerning mechanisms underlying common geriatric functional disorders are also encouraged, as long as these include connections to fundamental problems in the biology of aging. Projects that deal strictly with clinical problems such as the diagnosis and treatment of disease, health outcomes, or the social context of aging are not eligible. Examples of promising areas of research include
- aging and immune function,
- genetic control of longevity,
- neurobiology and neuropathology of aging (applicants proposing a project in Alzheimer's Disease research should apply for the Rosalinde and Arthur Gilbert Foundation/AFAR New Investigator Awards in Alzheimer's Disease),
- invertebrate or vertebrate animal models,
- cardiovascular aging,
- aging and cellular stress resistance,
- metabolic and endocrine changes,
- age-related changes in cell proliferation,
- caloric restriction and aging,
- DNA repair and control of gene expression,
- biology of the menopause,
- aging and apoptosis, and
- biodemographic analysis of aging.

For further information: http://www.afar.org/grants.html

Developmental Systems
National Science Foundation (NSF)
Due date: Jan 12, 2009

he Developmental Systems Cluster of the Division of Integrative Organismal Biology (IOB) supports research aimed at understanding how interacting developmental processes give rise to the emergent properties of organisms. A systems level approach to understanding these processes, at the molecular, cellular, and organismal levels of organization, requires the use of molecular, genetic, biochemical, and physiological techniques as well as techniques from outside biology. The Developmental Systems Cluster is also particularly interested in understanding how emergent properties result in the development of complex phenotypes and lead to the evolution of developmental mechanisms.

The Plant, Fungal, and Microbial Developmental Systems programmatic area supports research that addresses developmental processes in plants from algae to angiosperms, microbes and fungi.

The Animal Developmental Systems programmatic area supports research that seeks to understand the processes that result in the complex phenotype of animals. Because different organisms may be more amenable to certain approaches than others, analyses of development in a wide range of different species are encouraged.

The Evolution of Developmental Systems programmatic area supports research to discover the developmental processes shared by all organisms and those singular ones that produce diversity (phenotypic variation within a species, between species, or both). What developmental changes have given rise to new phenotypes? How are gene networks modified to generate different phenotypic outcomes? To answer these and other evolutionary questions will likely require inter-disciplinary and collaborative approaches using a wide range of model systems.

For further information:
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501087&org=NSF&sel_org=NSF&from=fund

Physiological and Structural Systems Cluster
National Science Foundation (NSF)
Due date: Jan 12, 2009

The cluster supports research aimed at furthering the understanding of organisms as integrated units of biological organization. The cluster considers proposals focused on interacting physiological and structural systems, their environmental and evolutionary contexts, and how these components are constrained by their integration into the whole organism. Projects that use systems approaches to understand why particular patterns of architecture and regulatory control have emerged as general organismal properties are particularly encouraged. Understanding how and why emergent organismal properties such as robustness, adaptability and resilience arise in the context of environmental, genetic, biochemical, and morphological variation are of interest. The cluster encourages model building to augment traditional experimental approaches in order to guide research on complex functional networks. Multidisciplinary approaches to the study of

organismal systems including research at the interfaces of biology, physics, chemistry, mathematics, computer science, and engineering are encouraged in each of the following areas.

1. Symbiosis, Defense, and Self-recognition - This programmatic area supports research on the processes and structures that mediate intimate interactions between two or more organisms. Proposals are encouraged that focus on the dynamics of initiation, dissolution and stability of these complex associations through studies of underlying processes of communication, immunological recognition and signaling, feedbacks, and reciprocal responses between interactors. All aspects of symbiosis, including commensalisms, mutualisms, parasitism, and host-pathogen interactions are included.

2. Processes, Structures, and Integrity - The focus of this programmatic area is on understanding the unity of organisms as complex systems through studies of coherent, structural and functional properties and interactions. Systems approaches that predict or reveal the nature of coordination among functional processes or structural components as a means to further the understanding of organismal integrity and emergent properties are particularly encouraged.

3. Organism-Environment Interactions - The focus of this programmatic area is on the structures and processes that affect organismal performance and interactions during routine, changing, or stressful environmental conditions. The program seeks proposals aimed at understanding how interactions among genetic, biochemical, morphological and physiological processes result in integrated organismal responses. Increasing emphasis is placed on understanding how and why such interactions result in emergent properties such as adaptability, plasticity, and robustness (i.e., both resistance and resilience). Special emphasis is placed on projects that adopt systems approaches, including quantitative and qualitative analysis, theoretical models and prediction to understand the dynamics and control of organismal responses to the environment from near term to evolutionary time frames.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501090

Behavioral Systems
National Science Foundation (NSF)
Due date: Jan 12, 2009

This cluster supports research on the development, function, mechanisms, and evolutionary history of behavior, with emphasis on a vertically integrated understanding of the behavioral phenotype in nature. To foster this integrative goal, the cluster specifically encourages projects that seek to understand how combinations of neural, hormonal, physiological, and developmental mechanisms act synergistically as a system from which behavior emerges. Laboratory work or the study of animals in captivity is encouraged, to the extent that it contributes to the understanding of behavior in natural systems.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501086

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National Science Foundation (NSF)
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For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501086

Brain Tumor Research Awards Program
Goldhirsh Foundation
Due date: Jan 16, 2009

The Goldhirsh Foundation is interested in providing strategic investment in brain tumor research to accelerate progress toward more effective treatment for deadly astrocytic tumors. The foundation seeks responses from investigators working in the continuum between basic research and clinical application, integrating and translating knowledge in various disciplines into meaningful progress for patients. Examples of funding areas include, but are not limited to,
- oncogenomics,
- the discovery and testing of small molecule therapies,
- unusual drug delivery systems, or
- improved brain-imaging techniques.

For further information: http://www.goldhirshfoundation.org/application_information.htm

PHYSICAL SCIENCES & MATHEMATICS

See also opportunities listed under MULTIPLE DISCIPLINES

Topology
National Science Foundation (NSF)
Due date: Nov 04, 2008

The program supports research on algebraic topology, including homotopy theory, ordinary and extraordinary homology and cohomology, cobordism theory, and K-theory; topological manifolds and cell complexes, fiberings, knots, and links; differential topology and actions of groups of transformations; geometric group theory; and general topology and continua theory.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5551&org=DMS

Computational Mathematics
National Science Foundation (NSF)
Due date: Dec 04, 2008

This program supports mathematical research in areas of science where computing plays a central and essential role, emphasizing algorithms, numerical methods, 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 also use them to model, study, and solve important application problems are encouraged.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5390

International Travel Grants
American Astronomical Society (AAS)
Due date: Jan 04, 2009

The American Astronomical Society (AAS) administers a National Science Foundation (NSF) grant, which provides funding to individuals from American institutions for airline travel to international science meetings. During years with an International Astronomical Union General Assembly the grant additionally funds travel for U.S. astronomers to the General Assembly and contemporaneous Symposia in addition to normal international meetings. Funds may not be requested for any AAS or AAS Divisional meeting.

The AAS is a member of the American Institute of Physics (AIP).

For further information: http://www.aas.org/grants/itg.php

Research in Support of the National Space Weather
National Science Foundation (NSF)
Due date: Jan 16, 2009

The National Space Weather Program (NSWP) is a multi-agency federal research program seeking to mitigate the adverse effects of space weather. The NSWP goal is to ultimately achieve timely, accurate, and reliable space environment observations, specifications, and forecasts. Information about the NSWP can be obtained from the National Space Weather Program Strategic Plan and Implementation Plan. Proposals may be submitted for basic research in solar, heliospheric, magnetospheric, ionospheric, and thermospheric physics aimed at meeting the goals of the NSWP.

For further information: http://www.nsf.gov/pubs/2007/nsf07520/nsf07520.htm

Sedimentary Geology and Paleobiology (SGP)
National Science Foundation (NSF)
Due date: Jan 16, 2009

Sedimentary Geology and Paleobiology supports studies of (1) the changing aspects of life, ecology, environments, and biogeography in past geologic time based on fossil plants, animals, and microbes; (2) all aspects of the Earth's sedimentary carapace - insights into geological processes recorded in its historical records and rich organic and inorganic resources locked in rock sequences; (3) the science of dating and measuring the time sequence of events and rates of geological processes of the Earth's past sedimentary and biological record; (4) the geologic record of the production, transportation, and deposition of physical and chemical sediments; and (5) understanding the complexities of Earth's deep time climate systems. The Sedimentary Geology and Paleobiology Program especially encourages integrative studies at the national and international levels that seek to link subdisciplines, such as paleoclimatology, paleogeography, and paleoenvironmental and paleoecologic reconstructions.

For further information: http://www.nsf.gov/pubs/2006/nsf06565/nsf06565.htm

Environmental Remediation Science Program
United States Department of Energy (DOE)
Due date: Jan 22, 2009

The Office of Science (SC), U.S. Department of Energy (DOE), is accepting applications for research grants in the Environmental Remediation Sciences Program (ERSP). The Environmental Remediation Sciences Division (ERSD) within the Office of Biological and Environmental Research (BER) is tasked with developing the fundamental scientific basis for understanding the fate and transport of contaminants in the subsurface. In order to meet this measure, the ERSD funds basic research to investigate the key processes affecting the mobility of subsurface contaminants found at DOE sites. The goal of this solicitation is to support innovative, fundamental research investigating the coupled physical, chemical, and biological processes affecting the transport of subsurface contaminants at DOE sites.

Applications should address hypothesis-driven research to define or understand the key physical, chemical, and biological processes influencing the form and mobility of DOE contaminants in the subsurface. Research projects should aim to provide the scientific basis for the development of new remediation concepts, or strategies for the long term stewardship of contaminated sites across the DOE complex. Applications should address the applicability of the proposed research to understanding DOE relevant, field-scale, contaminant transport processes. The environment of interest is the terrestrial subsurface including the vadose zone, the saturated zone, and key groundwater-surface water interfaces.

For further information: http://www.science.doe.gov/grants/FAPN08-09.html

Chemistry Research Instrumentation and Facilities: Instrumentation Development
National Science Foundation (NSF)
Due date: Jan 22, 2009

The Chemistry Research Instrumentation and Facilities (CRIF) Program is structured to enable the National Science Foundation's (NSF's) Division of Chemistry to respond to a variety of needs for infrastructure - instrumentation and facilities - that promotes basic research and education in areas traditionally supported by the division. The Instrument Development component of CRIF (CRIF:ID) provides funds for the design and construction of instruments that will enable new chemical measurements or will significantly broaden the use of chemical instrumentation.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6167

SOCIAL SCIENCES

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

Sociology Program
National Science Foundation (NSF)
Due date: Oct 15, 2008

This program supports basic research on all forms of human social organization - societies, institutions, groups, and demography - and processes of individual and institutional change. The program encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes. Included is research on organizations and organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification and mobility, family, social networks, socialization, gender roles, and the sociology of science and technology. The program supports both original data collections and secondary data analysis that use the full range of quantitative and qualitative methodological tools. Theoretically grounded projects that offer methodological innovations and improvements for data collection and analysis are also welcomed. The program also funds doctoral dissertation research to defray direct costs associated with conducting research, for example, dataset acquisition, additional statistical or methodological training, meeting with scholars associated with original datasets, and fieldwork away from the student's home campus.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=536

Graduate Research Grants
Psi Chi (National Honor Society in Psychology)
Due date: Nov 01, 2008

The grant program supports Psi Chi's two-pronged mission to encourage, stimulate, and maintain excellence in scholarship, and to advance the science of psychology. The program provides funds for Psi Chi members enrolled in a master's or doctoral program in psychology or a psychology-related field to defray the cost of conducting an original research project.

For further information: http://psichi.org/awards/completelist_awards.asp

Dynamics of Coupled Natural and Human Systems (CNH) - NSF 07-598
National Science Foundation (NSF)
Due date: Nov 18, 2008

The Dynamics of Coupled Natural and Human Systems (CNH) is a multidirectorate program jointly operated by three NSF directorates (Biological Sciences; Geosciences; and Social, Behavioral, and Economic Sciences). In addition to those three directorates, other NSF units (including the Directorate for Engineering, the Directorate for Education and Human Resources, the Office of International Science and Engineering, and the Office of Polar Programs) participate in evaluation of proposals. Starting in FY 2008, the Forest Service of the U.S. Department of Agriculture (USDA) will participate as a partner in the conduct of annual CNH competitions. CNH is a direct successor of a special competition that was part of the Biocomplexity in the Environment emphasis area.

The Dynamics of Coupled Natural and Human Systems (CNH) Program supports basic research and related activities that enhance fundamental understanding of the complex interactions within and among natural and human systems. CNH focuses on the complex interactions among human and natural systems at diverse spatial, temporal, and organizational scales. CNH seeks to advance basic knowledge about the system dynamics -- the processes through which systems function and interact with other systems. CNH-supported projects must examine relevant natural AND human systems. Proposals cannot focus solely or largely on either human systems or on natural systems. Projects also must examine the full range of coupled interactions and feedbacks among relevant systems. The arrows in the accompanying figure symbolize these relationships.

For further information: http://www.nsf.gov/pubs/2007/nsf07598/nsf07598.htm

General Social Survey (GSS) Competition - NSF 08-506
National Science Foundation (NSF)
Due date: Dec 06, 2008

The General Social Survey (GSS) is a nationally representative personal interview survey of the United States adult population that collects data on a wide range of topics: behavioral items such as group membership and participation; personal psychological evaluations including measures of well-being, misanthropy, and life satisfaction; attitudinal questions on such public issues as crime and punishment, race relations, gender roles, and spending priorities; and demographic characteristics of respondents and their parents. The GSS has provided data on contemporary American society since 1972, serving as a barometer of social change and trends in attitudes, behaviors, and attributes of the United States adult population. In 1984, the GSS stimulated cross-national research by collaborating with Australia, Britain, and Germany to develop data collection programs modeled on the GSS. This program of comparative cross-national research, called the International Social Survey Program (ISSP), now includes 43 nations and enables researchers and analysts to place findings and trends from the United States within a comparative perspective.

For further information: http://www.nsf.gov/pubs/2008/nsf08506/nsf08506.htm

Law and Social Science Program
National Science Foundation (NSF)
Due date: Jan 15, 2009

This program supports social scientific studies of law and law-like systems of rules, institutions, processes, and behaviors. These can include, but are not limited to, research designed to enhance the scientific understanding of the impact of law; human behavior and interactions as these relate to law; the dynamics of legal decision making; and the nature, sources, and consequences of variations and changes in legal institutions. The primary consideration is that the research shows promise of advancing a scientific understanding of law and legal process. Within this framework, the program has an "open window" for diverse theoretical perspectives, methods, and contexts for study. For example, research on social control, crime causation, violence, victimization, legal and social change, patterns of discretion, procedural justice, compliance and deterrence, and regulatory enforcement are among the many areas that have recently received program support. In addition to standard proposals, planning grant proposals, travel support requests to lay the foundation for research, and proposals for improving doctoral dissertation research are welcome.

The program continues to solicit proposals that take account of the growing interdependence and interconnections of the world. Thus proposals are welcome that advance fundamental knowledge about legal interactions, processes, relations, and diffusions that extend beyond any single nation as well as about how local and national legal institutions, systems, and cultures affect or are affected by transnational or international phenomena. Thus, proposals may locate the research within a single nation or between or across legal systems or regimes.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5422&org

Social Psychology Program
National Science Foundation (NSF)
Due date: Jan 15, 2009

The Social Psychology Program at the National Science Foundation (NSF) 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

Environmental Education Grants Program
United States Environmental Protection Agency (EPA)
Due date: Dec 20, 2008

The United States Environmental Protection Agency (EPA) is soliciting grant proposals from educational institutions, environmental and educational public agencies, and nonprofit organizations to support environmental education projects. The Environmental Education Grants Program provides financial support for projects that design, demonstrate, or disseminate environmental education practices, methods, or techniques.

Proposals that increase public awareness and knowledge about environmental issues and provide them with the skills to make informed decisions and take responsible actions are sought.

EPA encourages applicants to demonstrate or disseminate existing environmental education materials rather than designing new materials.

In addition to identifying existing educational improvement goals and discussing how the project will meet these goals, proposals must address one of the following educational priorities:

1. Capacity Building - Increasing capacity to develop and deliver coordinated environmental education programs across a state or across multiple states

2. Education Reform - Utilizing environmental education as a catalyst to advance state, local, or tribal education reform goals

3. Community Issues - Designing and implementing model projects to educate the public about environmental or health issues in their communities through community-based organizations or through print, film, broadcast, or other media

4. Health - Educating teachers, students, parents, community leaders, or the public about human-health threats from environmental pollution, especially as it affects children

5. Teaching Skills - Educating teachers, faculty, or nonformal educators about environmental issues to improve their environmental education teaching skills, e.g., through workshops

6. Career Development - Educating students in formal or nonformal settings about environmental issues to encourage environmental careers

For further information: http://www.epa.gov/enviroed/pdf/solNotice2008.htm

Cognitive Neuroscience Program - NSF 06-557
National Science Foundation (NSF)
Due date: Jan 14, 2009

The Cognitive Neuroscience Program seeks highly innovative and interdisciplinary proposals aimed at advancing a rigorous understanding of how the human brain supports thought, perception, affect, action, social processes, and other aspects of cognition and behavior, including how such processes develop and change in the brain and through time. Topics may bear on core functions such as sensory, learning, language, reasoning, emotion, and executive processes, or more specialized processes such as empathy, creativity, representation of self and other, or intentionality, among many other possibilities.

The program is particularly interested in supporting the development of new techniques and technologies for recording, analyzing, and modeling complex brain activity. Such projects should include a plan for sharing new software and other technologies with the research community at large.

Studies of disease states (e.g., brain damaged patients) may be components of projects supported by this program. However, the emphasis in such projects must be to advance basic scientific understanding of neural mechanisms, and not on disease etiology, diagnosis, or treatment.

The program also intends to foster projects that integrate perspectives across disciplines, e.g., from the cognitive sciences, developmental sciences, biology, computer science, engineering, education, anthropology, physics, mathematics and statistics. For example, projects that involve collaborations among individuals with expertise in one of the cognitive sciences, neuroimaging, neural microcircuitry, and modeling complex systems are strongly encouraged. Other interdisciplinary emphases are also of keen interest.

Examples of appropriate grant proposals include, but are not be limited to, the following. It is to be expected that scientific advances will overtake many of the following issues, and that other research and development matters will emerge as key enablers to progress in basic cognitive neuroscience.
1. Approaches addressing research questions with a novel range of techniques (e.g., using neuroimaging, lesion-deficit data, and computational modeling).
2. Hypotheses based on cognitive/behavioral/social/developmental research that lead to tests either of systems level or neuro-computational models of psychological processes. The computational models should involve vertical integration over realistic neural circuitry at specified scales.
3. Development of new methods for acquisition-time representation of functional neuroimaging data, e.g., providing output which can be used to control online continuous, experimental manipulations of behavioral/cognitive (stimulus) variables.
4. Study of the relation between cognitive/behavioral performance and structural features of brain such as white/gray matter ratio, neurotransmitter sites, connectivity maps, unfolded topological models of cortex, morphology, or diffusion tensor imaging.
5. Integrated use of techniques involving both human and animal models to provide convergent evidence about a specific research problem (e.g., the neural codes for perceptual representations,

the role of endogenous neurochemicals in social bonding).
6. Development of quantitative techniques for meta-analysis and modeling of functional neuroimaging data with respect to localization, temporal dynamics, and componential modeling of cognitive/behavioral processes.
7. Neuroimaging of the infant and child brain for comparsion with adults in order to understand the development of functional brain organization.
8. Development of new methods for characterizing the morphology of activation clusters in neuroimaging data (going beyond the stereotactic location of peak activation).
9. Comparative gene expression studies in nonhuman primates of the neural regions governing higher cognitive functions within a biological framework.
10. Study of the development and character of specialization of brain areas for particular cognitive, perceptual, affective, and action processes.
11. Development of new techniques for integrating independent measurements of the dynamic interactions in time and space of specific neural activity.
12. Mathematical analyses of stable individual differences in brain organization (e.g., modeling individual differences in localized neural activity for elementary psychological operations).
13. Adaptation of advanced experimental psychology methods for adults and children afflicted with neurological or cognitive impairments in order to characterize more fully the effects of dysfunctions of specific brain areas, clarifying thereby the functions of those areas. (For instance, do brain areas compromised by Parkinson's Disease support non-motor cognitive or executive functions?)
14. The effect of environmental factors (impoverishment or enrichment) on the development and function of specific brain areas.
15. Development of effective techniques for mapping receptor/ligand binding profiles during cognitive functions such as working memory, selective attention, and implicit memory in healthy humans.

The following funding opportunities are available under this program.
1. Individual Investigator Research Projects. Many research topics are studied most effectively by individual research scientists or by small teams of collaborating investigators. Investigators are invited to submit proposals that focus on cognitive neuroscience topics, including but not limited to those illustrated above.
2. Workshops. Workshops will be supported that bring together diverse scientific partners around specific topics. Meetings will be focused on topics that can benefit from intensive small group discussions.

For further information: http://www.nsf.gov/pubs/2006/nsf06557/nsf06557.htm

Harrell Rogers Graduate Student Travel Scholarship
Midwest Political Science Association
Due date: Jan 31, 2009

This scholarship provides funding for a graduate student to travel to attend the Midwest Political Science Association (MPSA) Annual National Conference. Traditionally, the MPSA Annual National Conference is held at the historic Palmer House Hotel in Chicago, Illinois.

For further information: http://www.mpsanet.org/~mpsa/Awards/scholarships.html