

Funding Opportunities Bulletin

November 2009

This random compilation of funding opportunities is provided by KUCR Proposal Services as a resource for Kansas University Researchers. We encourage you to utilize the campus subscription to *Community of Science (COS)* to find funding opportunities specifically tailored to your research area based on keywords you provide. *COS* is easy to use and offers other valuable services that are helpful to researchers. Access is available at this site: <http://www.cos.com/> 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.

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BUSINESS

See also opportunities listed under MULTIPLE DISCIPLINES

Assets for Independence Demonstration Program

Department of Health and Human Services (HHS); Administration for Children and Families

Deadline: January 15, 2010; March 25, 2010

The ACF, Office of Community Services (OCS), will accept applications for grants to establish and administer Assets for Independence (AFI) projects. Grantees provide an array of supports and services to enable individuals and families with low incomes to become economically self-sufficient for the long term. A primary feature of each AFI project is that project participants are given access to special matched savings accounts called Individual Development Accounts, in which participants save earned income for the purchase of a home, for business capitalization, or to attend higher education or training. Grantees also ensure that participants have access to financial literacy education and coaching, including training on money management and consumer issues.

For further information: <http://www.acf.hhs.gov/grants/open/HHS-2008-ACF-OCS-EI-0053.html>

Doctoral Dissertation Grants

Institute for Supply Management (ISM)

Deadline: January 31, 2010

Each year, the institute awards doctoral dissertation grants for support of outstanding doctoral research. The intent is to award grants to doctoral candidates who are conducting research in purchasing or related fields. The objectives of these grants are to produce useful research that can be applied to purchasing and supply management, and to help develop high-potential academicians who will teach and conduct research in purchasing and supply management.

For further information: <http://www.ism.ws/education/content.cfm?ItemNumber=791>

Outstanding International Accounting Dissertation Award

American Accounting Association (AAA) Section Awards

Deadline: February 28, 2010

The award will recognize a doctoral dissertation successfully defended during the 2008 calendar year. Doctoral dissertations in all areas of international accounting - including topics in financial, managerial, auditing, taxation, and information systems - are eligible for this award.

For further information:

<http://www.aaaiasection.org/whoAreWe/69/Outstanding%20Dissertation%20Award/>

EDUCATION

See also opportunities listed under MULTIPLE DISCIPLINES

Fulbright-Hays Faculty Research Abroad Fellowship Program

Department of Education

Deadline: December 1, 2009

The Fulbright-Hays Faculty Research Abroad Program is designed to contribute to the development and improvement of modern foreign language and area studies in the United States by providing opportunities for scholars to conduct research abroad.

Under the program, the Secretary awards fellowships, through institutions of higher education, to faculty members who propose to conduct research abroad in modern foreign languages and area studies to improve their skill in languages and knowledge of the culture of the people of these countries.

The University of Kansas' register Project Director is Charles Bankart (cbankart@ku.edu).

For further information: <http://e-grants.ed.gov/egPackages.asp?APP=EA>

Innovative Technology Experiences for Students and Teachers (ITEEST) NSF 09-506
National Science Foundation (NSF)
Deadline: January 12, 2010

The ITEEST program responds to current concerns and projections about the growing demand for professionals and information technology workers in the U.S. and seeks solutions to help ensure the breadth and depth of the STEM workforce. ITEEST supports research studies to address questions about how to find solutions. It also supports the development, implementation, testing, and scale-up of implementation models. A large variety of possible approaches to improving the STEM workforce and to building students' capacity to participate in it may be implemented and studied. ITEEST projects may include students or teachers, kindergarten through high school age, and any area of the STEM workforce. Projects that explore cyberlearning, specifically learning with cyberinfrastructure tools such as networked computing and communications technologies in K-12 settings, are of special interest.

This program is interested in addressing such questions as: What does it take to effectively interest and prepare students to participate in the science, technology, engineering, and mathematics (STEM) workforce of the future? What are the knowledge, skills, and dispositions that students need in order to participate productively in the changing STEM workforce and be innovators, particularly in STEM-related networked computing and information and communication technology (ICT) areas? How do they acquire them? How can the Nation's burgeoning cyberinfrastructure be harnessed as a tool for STEM learning in classrooms and informal learning environments? What will ensure that the nation has the capacity it needs to participate in transformative, innovative STEM advances? How can we assess and predict inclination to participate in the STEM fields and how can we measure and study impact of various models to encourage that participation?

Four types of projects are invited:

1. Research projects enrich the understanding of issues related to enlarging the STEM workforce. Research projects may conduct efficacy and effectiveness studies of intervention models, conduct longitudinal studies of efforts to engage students in the STEM areas, develop instruments to assess engagement, persistence, and other relevant constructs of student motivation, or conduct studies to identify predictors of student inclination to pursue STEM career trajectories. The program is especially interested in projects that target students from groups that are underserved and underrepresented in STEM and ICT-intensive careers, including those residing in rural and economically disadvantaged communities.
2. Strategies projects design, implement, and evaluate models for classroom, after-school, summer, virtual, and/or year-round learning experiences for students and/or teachers. The strategies are intended to encourage students' readiness for, and their interest and participation in, the STEM workforce of the future. Strategies project proposals must describe the anticipated contribution to the research knowledge base about STEM career preparation in addition to immediate impacts on participants.
3. Scale-up projects implement and test models to prepare students for information technology or

the STEM workforce of the future in a large-scale setting such as at state or national level. A scale-up project must be based on evidence of demonstrated success from an existing strategy for students or teachers.

4. Conferences and Workshops target STEM educators (from both the formal and informal education communities), educational researchers, and evaluators. The proposed conferences would be expected to contribute to the development of a research agenda on K-12 STEM workforce preparation and development issues, workforce participation, and cyberlearning. Conferences or workshops must be designed to bring together individuals with expertise in technology and STEM education, career development, cognitive science, sociology, anthropology, science fields, and other communities that are invested in STEM workforce careers. Evaluation approaches for innovative STEM and ICT workforce motivation, preparation, and development models are also sought.

A track for Innovation through Institutional Integration (I3) is included. I3 projects enable faculty, administrators, and others in institutions to think and act strategically about the creative integration of NSF-funded awards, with particular emphasis on awards managed through programs in the Directorate for Education and Human Resources (EHR) (within which I3 is an integrative, cross-cutting effort), but not limited to those awards. For Fiscal Year 2009, proposals are being solicited in nine EHR programs that advance I3 goals: Centers of Research Excellence in Science and Technology (CREST), Research on Gender in Science and Engineering (GSE), Historically Black Colleges and Universities Undergraduate Program (HBCU-UP), Innovative Technology Experiences for Students and Teachers (ITEST), Alliances for Broadening Participation in STEM: Louis Stokes Alliances for Minority Participation (LSAMP), Math and Science Partnership (MSP), Robert Noyce Teacher Scholarship Program, Research in Disabilities Education (RDE), and Tribal Colleges and Universities Program (TCUP).

For further information: <http://www.nsf.gov/pubs/2009/nsf09506/nsf09506.htm>

Field-Initiated Projects - Research (84.133G-1) and Development (84.133G-2)

United States Department of Education (ED)

Deadline: January 27, 2010

The purpose of the Field-Initiated (FI) Projects program is 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. Another purpose of the FI Projects program is to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended.

NIDRR makes two types of awards under the FI Projects program, including Research Grants (CFDA 84.133G-1) and Development Grants (CFDA 84.133G-2). In carrying out a research activity under an FI research grant, a grantee must identify one or more hypotheses or research questions and, based on the hypotheses or research questions identified, perform an intensive, systematic study directed toward producing

- new scientific knowledge, or
- better understanding of the subject, problem studied, or body of knowledge.

In carrying out a development activity under an FI development grant, a grantee must use knowledge and understanding gained from research to create materials, devices, systems, or methods, including designing and developing prototypes and processes, that are beneficial to the target population. Target population means the group of individuals, organizations, or other entities expected to be affected by the project. There may be more than one target population because a project may affect those who receive services, provide services, or administer services.

For further information: <http://www.ed.gov/programs/fip/index.html>

ENGINEERING & COMPUTER SCIENCE

See also opportunities listed under MULTIPLE DISCIPLINES

Interdisciplinary Research (IDR) - PD 09-7951

National Science Foundation (NSF)

Deadline: December 7, 2009

IDR submissions should have a level of interdisciplinary content not covered in the core programs of ENG. Interdisciplinary research is defined as follows: "Interdisciplinary Research (IDR) is a mode of research by teams or individuals that integrates information, data, techniques, tools, perspectives, concepts, and/or theories from two or more disciplines or bodies of specialized knowledge to advance fundamental understanding or to solve problems whose solutions are beyond the scope of a single discipline or area of research practice." (Reference: Facilitating Interdisciplinary Research, Committee on Facilitating Interdisciplinary Research, Committee on Science, Engineering and Public Policy, National Academy of Sciences, National Academy of Engineering, and Institute of Medicine of the National Academies, National Academies Press, Washington, DC)

To be funded, IDR proposals must ultimately attract funding from at least two programs in at least two divisions of the NSF. At least the primary funding division must be within ENG. IDR proposals may be on any topic relevant to engineering and, in particular, should not be constrained by the current program structures. It is hoped that new fields of research will eventually emerge from IDR awards. Proposals must be submitted as unsolicited proposals and directed to the IDR program (Program Element 7951) in the CBET, CMMI, or ECCS Divisions. IDR proposals should be prepared so that reviewers from any of the different fields to which the proposal relates can appreciate the intellectual merit, transformative nature, and broader impact of the interdisciplinary research proposed.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503439

Circuit Analysis Tools (CAT) - BAA-09-09

Office of the Director of National Intelligence

Deadline: December 11, 2009

The Intelligence Advanced Research Projects Activity (IARPA), is soliciting proposals to develop tools for integrated circuit analysis at future technology nodes, specifically the 22 nm node and beyond. This includes analysis tools capable of working with advanced packages including but not limited to stacked die. These tools and techniques will address circuit edit, fault isolation, logic analysis and imaging challenges for which there are currently no solutions.

For further information:

<https://www.fbo.gov/index?s=opportunity&mode=form&id=48a747e2e1a32c522fba2d2d5aa39860&tab=core&cvview=0>

Energy, Environment, Agriculture, and Natural Resources Fellowships

American Association for the Advancement of Science (AAAS)

Deadline: December 15, 2009

The AAAS Science & Technology Policy Fellowships are provided primarily as a professional development opportunity. Fellowships are awarded to highly qualified individuals interested in learning about the science-policy interface while applying their scientific and technical knowledge and analytical skills to the federal policy realm.

Energy, Environment, Agriculture & Natural Resources fellows engage in projects, policies, risk assessment, evaluation, and outreach initiatives to

- protect animal, plant and environmental health;
- address ecosystem degradation, pollution, and biological threats;
- tackle challenges and opportunities in agriculture, fisheries, climate change, and energy; and
- safeguard air, water, land, wildlife, and natural resources.

Anticipated placement opportunities include the following:

1. Department of Agriculture
2. Forest Service
3. Department of Energy
4. Environmental Protection Agency
5. National Oceanic and Atmospheric Administration
6. National Science Foundation

For further information: http://fellowships.aaas.org/02_Areas/02_index.shtml#5

Solid Waste Management (SWM) Grants - RDUP-SWMGRANT-093009-FY20
United States Department of Agriculture (USDA) Rural Utilities Service
Deadline: December 31, 2009

The objectives of the program are (1) to reduce or eliminate pollution of water resources in rural areas and (2) to improve planning and management of solid waste sites in rural areas. Rural areas are defined as any area not in a city or town with a population in excess of 10,000, according to the latest decennial census of the United States. Funds may be used to

- evaluate current landfill conditions to determine threats to water resources in rural areas;
- provide technical assistance and/or training to enhance operator skills in the maintenance and operation of active landfills in rural areas;
- provide technical assistance and/or training to help associations reduce the solid waste stream; and
- provide technical assistance and/or training for operators of landfills in rural areas which are closed or will be closed in the near future with the development/implementation of closure plans, future land use plans, safety and maintenance planning, and closure scheduling within permit requirements.

Priority will be given to applications using the following criteria:

1. Applicant's demonstrated capability and past performance in providing technical assistance and/or training to rural associations.
2. The extent to which the population of the associations served has low income.
3. Service being provided is to areas with populations below 5,500 or 2,500.
4. Applicant's or other sources in-kind contributions that combine with the requested funds to maximize service performed.
5. Technical assistance and/or training will be directly delivered to staff of the associations being served.
6. Applicants proposing to serve regional, multi-state, or nationwide areas.
7. Applicants whose timeframe for completion of service/project is 12 months or less.
8. The extent to which the service/project will be cost effective.
9. Applicants whose proposed service/project coincides with the given objectives of the program.

For further information: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=49681>

Operation, Maintenance, Instrumentation, and Analysis Support for Railroad Safety Research - DTFR53-10-PS-00001

United States Department of Transportation (DOT)

Deadline: January 12, 2010

FRA has a requirement to acquire contractor support for engineering and operations services to design, fabricate, operate, maintain, and analyze the results from specialized instrumentation, including government-furnished equipment such as the Gage Restraint Measurement System (GRMS) Car (T-18), the Highspeed Research Car (T-16), Ride Quality Measurement System (RQMS), Instrumented Wheelsets, and/or other specialized data collection systems which may be acquired during the course of the contract. The contractor will also support FRA research

programs by providing engineering analysis and technical support to joint efforts conducted by FRA with other organizations, such as the Association of American Railroad at the Transportation Test Center, American Railway Engineering and Maintenance of Way Association (AREMA), state organizations, Amtrak, or other individual railroad companies. The contractor shall provide all materials, labor, and facilities required to meet the requirements.

For further information:

<https://www.fbo.gov/index?s=opportunity&mode=form&id=17f6254697827817b0fee263ca558d7e&tab=core&cvview=0>

FINE ARTS

Film and Fiction Scholarship Competition

George Mason University, Institute for Humane Studies (HIS)

Deadline: January 15, 2010

In recognition of the important role that films and novels play in the world of ideas, the institute provides support to promising young filmmakers and writers who share an appreciation for the potential and promise of a free society. The scholarship awards students who are pursuing a Master of Fine Arts degree in filmmaking, fiction writing, or playwriting; have a demonstrated interest in classical liberal ideas and their application in contemporary society; and demonstrate the desire, motivation, and creative ability necessary to succeed in their chosen profession.

For further information: <http://www.theihs.org/ContentDetails.aspx?id=468>

Patricia and Phillip Frost Fellowship

Smithsonian American Art Museum (SAAM)

Deadline: January 15, 2010

The Smithsonian American Art Museum and its Renwick Gallery invite applications for research fellowships in art and visual culture of the United States. Fellowships support independent research, dissertation research, or a combination of dissertation and curatorial research. The Patricia and Phillip Frost Fellowship is offered to pursue research in American art and visual culture. Topics that match the interests of the museum and its research staff are supported.

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

'Drawn to Art' Fellowship

American Antiquarian Society (AAS)

Deadline January 15, 2010

This fellowship supports research on American art, visual culture, or other projects that will make substantial use of graphic materials as primary sources. Fellows are selected on the basis of

the applicant's scholarly qualifications, the scholarly significance or importance of the project, and the appropriateness of the proposed study to the AAS' collections.

For further information: <http://www.americanantiquarian.org/drawntoart.htm>

Old Masters in Context Program

Kress Foundation, Samuel H.

Deadline: January 15, 2010

To encourage new ways of presenting European art to the American public, this program invites joint proposals from art curators and art historians (and art conservators, as appropriate) to interpret works of art in relation to their European origins. At the heart of the project is the premise that the knowledge gathered by the historian of art (why works of art were created, how they were originally seen, and what they meant to their first viewers) is potentially fascinating to the general public, and that imaginative ways of presenting this information will excite new interest in old master artists. The following are key elements of the program:

1. The purpose of the program is to promote a greater understanding of European art from antiquity to the early nineteenth century in regard to the context for which it was originally created or the means by which it was made.
2. The central feature of every grant will be an expanded presentation to the public of one or more works of European art in the permanent collections of museums and other public institutions in the U.S. through interpretation of original context or structure and materials. When possible, the projects should include works of art in the Kress Collection. Forms of interpretation will involve the works of art, and may include special exhibitions, reconstructions, conferences, lectures, workshops, performance, video, film, publication, and advanced technology.
3. The project is developed as a collaboration among curators, scholars, and conservators (as appropriate), and typically reaches beyond the resources of a single institution. Professionals from other arenas, such as music, theatre, religion, or food preparation, may also be engaged.
4. When practicable, the project is shared by two or more institutions (museums, universities, conservation facilities, et cetera.).

For further information: wyman@kressfoundation.org

Terra Foundation for American Art Fellowships

Smithsonian Institution (SI)

Deadline: January 15, 2010

The Smithsonian American Art Museum and its Renwick Gallery invite applications for research fellowships in art and visual culture of the United States. Fellowships support independent research, dissertation research, or a combination of dissertation and curatorial research. The Terra Foundation for American Art Fellowships seek to foster a cross-cultural dialogue about the history of art of the United States. They support work by scholars from abroad who are researching American art or by U.S. scholars, especially those who are investigating international contexts for American art. Postdoctoral and senior Terra fellows are eligible for a

substantial stipend supplement to assist with research, relocation, and housing costs. Only one application is necessary; applicants will automatically be considered in all relevant award categories. Applicants will be evaluated based on the quality of the proposed research project, academic standing, scholarly qualifications, and experience. The project's compatibility with the Museum's collections, facilities, staff, and programs will also be considered. A committee of curators and historians will review the applications.

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

HUMANITIES

See also opportunities listed under MULTIPLE DISCIPLINES

Anna C. and Oliver C. Colburn Fellowship

Archaeological Institute of America (AIA) Fellowships

Deadline: January 15, 2010

The purpose of this fellowship is to support studies undertaken at the American School of Classical Studies at Athens (ASCSA) in Greece for no more than a year.

For further information: <http://www.archaeological.org/webinfo.php?page=10007>

Andrew W. Mellon Postdoctoral Fellowship in Medieval Studies

University of Notre Dame Medieval Institute

Deadline: January 15, 2010

The Medieval Institute offers a Mellon Postdoctoral Fellowship for a junior scholar in Medieval Studies, made possible through the generous response of the Andrew W. Mellon Foundation to a challenge grant recently awarded to Notre Dame by the National Endowment for the Humanities. The fellowship will permit an outstanding young scholar in any field of medieval studies to continue his or her research while in residence at Notre Dame's Medieval Institute during the academic year 2009-2010.

The Mellon Fellow's principal obligation will be to pursue his or her research. Though the fellowship carries no teaching responsibilities, it is expected that the fellow will take advantage of the opportunity to participate in the intellectual life of the institute and the multidisciplinary activities that it sponsors for the medievalist community at Notre Dame.

The fellow will be expected to reside in South Bend. Mellon scholars must hold a regular appointment at a U.S. institution and plan to return to their institution following their fellowship year. Applicants must have the Ph.D. in hand as of the application date and must not be more than five years beyond the Ph.D.

For further information: <http://www.nd.edu/~medinst/funding/funding.html#mellon>

Paul Mellon Centre Rome Fellowship

British School at Rome Residential Awards for Research in the Humanities

Deadline: January 15, 2010

The British School at Rome (BSR) offers residential awards in the humanities for research in the archaeology, history, art history, society, and culture of Italy from prehistory to the modern period.

The Paul Mellon Centre for Studies in British Art offers an annual four-month fellowship in Rome to scholars working on Grand Tour subjects or in the field of Anglo-Italian artistic and cultural relations

For further information: http://www.bsr.ac.uk/BSR/sub_human/BSR_Hum_03awards.htm

Foreigners' Fellowships Programme - Category A II Research Grants

Onassis Public Benefit Foundation, Alexander Scholarships and Research Grants to Non-Greek Scholars and Students

Deadline: January 31, 2010

The Alexander S. Onassis Public Benefit Foundation offers an annual programme of research grants and educational scholarships addressed to foreign full members of national academies, university professors of all levels, researchers including Ph.D. holders, artists, translators of Greek literature, elementary and secondary school teachers of the Greek language as a foreign language, postgraduate students, and Ph.D. candidates.

The program covers the following fields only:

- Humanities (philology, literature, linguistics, theology, history, archaeology, philosophy, educational studies, and psychology)
- Political sciences (sociology, anthropology, public administration, international relations, and mass media)
- Arts (visual arts, music, dance, theatre, photography, and film studies)

Category A II Research Grants are open to university full professors, associate professors, assistant professors, lecturers, postdoctoral researchers, and renowned artists and musicians who wish to visit Greece in order to conduct scholarly research or to collaborate with educational or research institutions or organizations. The proposed research subject should be either directly related to the Greek culture, civilization, and history or have an obvious social return for Greece.

The grantees will be invited, on a case by case basis, to deliver a lecture or to conduct a seminar during their stay in Greece, either at the Onassis Cultural Centre of Athens or at a university or another scholarly or research or cultural centre.

For further information:

<http://www.onassis.gr/sectpage.php?lang=en&secID=3&subID=4&id=42>

We the People Challenge Grants in United States History, Institutions, and Culture

National Foundation for the Arts and the Humanities

Deadline: February 3, 2010

The National Endowment for the Humanities (NEH) invites applications for *We the People* Challenge Grants in United States History, Institutions, and Culture. This program is designed to help institutions and organizations secure long-term improvements in and support for humanities activities that explore significant themes and events in American history, thereby advancing knowledge of how the founding principles of the United States have shaped American history and culture for more than two hundred years. NEH particularly welcomes proposals for programming at America's historic places (historic sites, neighborhoods, communities, or larger geographical regions) as well as applications that address this theme through the use of digital technologies.

NEH Challenge Grants are capacity-building grants that may be used to establish or enhance endowments that generate expendable earnings for program activities. Funds may also be used to support long-term costs, such as construction and renovation, purchase of equipment, acquisitions, and conservation of collections.

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

Albert J. Beveridge Grant for Research in the History of the Western Hemisphere

American Historical Association (AHA) Research Grants

Deadline: February 15, 2010

The AHA is pleased to announce the availability of modest grants to support research in the history of the Western hemisphere (United States, Canada, and Latin America). The grants are intended to further research in progress and may be used for travel to a library or archive, for microfilms, photographs, or photocopying - a list of purposes that is meant to be merely illustrative, not exhaustive (other expenses, such as child care, can be included).

Only members of the AHA are eligible. Preference will be given to those with specific research needs, such as the completion of a project or completion of a discrete segment thereof. Preference will be given to Ph.D. candidates and junior scholars. Within a five-year period, no individual is eligible to receive more than a combined total of \$1,000 from the Beveridge, Kraus, and Littleton-Griswold grant programs.

For further information: <http://www.historians.org/prizes/BeveridgeGrantInfo.htm>

INTERNATIONAL AREA STUDIES

See also opportunities listed under HUMANITIES and MULTIPLE DISCIPLINES

NSF Graduate Research Fellows Nordic Research Opportunity

National Science Foundation (NSF)

Deadline: December 15, 2009

The Division of Graduate Education and the Office of International Science and Engineering announce an international research opportunity, available as a Supplemental Award, for NSF Graduate Research Fellows (GRFs) to enable Fellows to gain international research experience and establish collaborations with counterparts at Norwegian, Finnish or Danish research institutions. Through a pilot collaboration, the U.S. National Science Foundation, the Research Council of Norway (RCN), the Academy of Finland and the Finnish Funding Agency for Technology and Innovation (TEKES), and the Danish National Research Foundation (DNRF) will support research visits of between 2 and 12 months on a competitive basis. This international research opportunity is intended to enrich the GRF experience by exposing fellows to leading Nordic scientists and institutions, thus enabling them to develop early-career collaborations with European research partners. Results are expected to expand opportunities for innovation and add an international dimension to GRF research projects. Interested Graduate Fellows studying at U.S. institutions are encouraged to contact potential Nordic host institutions for detailed information on current research activities at that site. Details for each participating country are provided below.

1. Norway - A list of potential host institutions in Norway may be found at <http://www.forskningsradet.no/servlet/Satellite?c=Informasjonstekst&cid=1224066993924&p=1224066982949&pagename=internasjonale-stipend%2FHovedsidemal>. Proposed activities at Norwegian Centers of Excellence and Norwegian Centers for Research-based Innovation are strongly encouraged.
2. Finland - A list of potential host institutions in Finland may be found at <http://www.tekes.fi/NSFfellows>. For TEKES, Graduate Fellows are strongly encouraged to propose activities related to research projects funded by TEKES. For the Academy of Finland, research activities may be proposed at Centers of Excellence and with Academy Professors.
3. Denmark - A list of potential host institutions in Denmark may be found at http://www.dg.dk/aktivitetercentredefault_eng.htm. Eligible host institutions are the DNRF Centers of Excellence.

For further information: <http://www.nsf.gov/pubs/2009/nsf09064/nsf09064.jsp>

Grants Program for U.S. Citizens

American Institute for Maghrib Studies (AIMS)

Deadline: December 31, 2009

The AIMS announces its annual Grants Program for the academic year beginning in May 2009. The program offers grants to U.S. scholars interested in conducting research on North Africa in any Maghrib country, specifically Morocco, Tunisia, Algeria, Libya, or Mauritania. AIMS sponsors three Overseas Research Centers in the region and all AIMS grants are categorized by where research will be conducted. AIMS does not fund research outside the Maghrib.

For further information: http://aimsnorthafrica.org/fellowships/lstuscitz_grants.cfm?menu=2

Religion in International Affairs Fellowships

Harvard University John F. Kennedy School of Government

Deadline: January 15, 2010

The goal of this initiative is to integrate a sophisticated understanding of religion with international affairs in policymaking and scholarship. The Initiative on Religion in International Affairs offers pre-doctoral and advanced research fellowships jointly sponsored by ISP.

For further information: <http://belfercenter.ksg.harvard.edu/fellowships/>

Harvard Postdoctoral Fellowships in Japanese Studies

Harvard University, Reischauer Institute of Japanese Studies, Edwin O.

Deadline: January 15, 2010

The Edwin O. Reischauer Institute of Japanese Studies at Harvard University will offer postdoctoral fellowships in Japanese studies to recent Ph.D.s of exceptional promise, to give them the opportunity to turn their dissertations into publishable manuscripts. Residence in the Cambridge or Boston area and participation in institute activities are required during the appointment

For further information: <http://www.fas.harvard.edu/~rijs/fellowships/postdoctoral.html>

Chinese Studies Postdoctoral Awards

Stanford University, Center for East Asian Studies

Deadline: January 15, 2010

The Center for East Asian Studies at Stanford University offers two postdoctoral positions in Chinese Studies. The postdocs are open to scholars in the humanities and social sciences studying any historical period. Residence is required at Stanford University.

Applicants must have been awarded the Ph.D. no later than August 31 prior to the term in which they plan to start the postdoc position and may not be more than five years beyond receipt of the doctoral degree. Fellowships may be given to those who hold continuing, assistant professor-level teaching positions. U.S. citizenship is not required. Those who have received their Ph.D. from Stanford University will not normally be considered.

For further information: <http://ceas.stanford.edu/funding/postdoc.php>

MEDICINE & LIFE SCIENCES

See also opportunities listed under MULTIPLE DISCIPLINES

Scientific Research Grant Program

National Blood Foundation

Deadline: December 30, 2009

The National Blood Foundation (NBF) is pleased to announce the availability of funding in 2010 for scientific research projects related to transfusion medicine, to include aspects of immunology, hematology, tissue and transplantation medicine, cellular therapies, emerging infectious disease, immunohematology, donor health and recruitment and retention, and implementation of technological advances. Priority is given to new investigators and innovative new projects with the potential to have a practical impact on patients and donors in transfusion medicine.

For further information:

http://www.aabb.org/Content/Programs_and_Services/National_Blood_Foundation/grantapplication.htm

Brain Tumor Research Awards Program

The Goldhirsh Foundation

Deadline: January 1, 2010

New approaches in brain tumor research are emerging, generated by the use of new genetic tools, insights from neurogenesis and stem cell biology, and the availability of novel molecules as potential chemotherapeutic interventions. The Goldhirsh Foundation is interested in providing strategic investment in both pediatric and adult brain tumor research to accelerate progress toward more effective treatment for malignant diffuse glioma tumors. Applications are encouraged 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 and proteomics, genetically engineered models, the discovery and testing of small molecule therapies, unusual drug delivery systems, or improved brain imaging techniques. Research projects at the interface of developmental biology and cancer along the stem cell to glial axis are eligible.

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

Lung Cancer Biospecimen Resource Network Award

Department of Defense (DOD) Congressionally Directed Medical Research Programs;
Lung Cancer Research Program (LCRP)

Deadline: Pre-Application: December 23, 2009

Proposal: January 6, 2010

The LCRP Lung Cancer Biospecimen Resource Network (LCBRN) Award is intended to provide infrastructure support for the development of a lung cancer biospecimen resource that will facilitate the collection, processing, annotation, storage, and distribution of high-quality human lung cancer biospecimens through a collaborative network across multiple institutions. The LCBRN will consist of a Coordinating Center that will also function as a biospecimen resource site and a minimum of two additional Biospecimen Resource Sites that will be jointly responsible for developing the biospecimen resource network for lung cancer research. The Coordinating Center and Biospecimen Resource Sites must submit a single application. It is expected that the Coordinating Center will provide unique resources that may not necessarily be available at each Biospecimen Resource Site and can be leveraged for the LCBRN as a group. The types of lung cancer biospecimens for this proposal may be quite diverse. A list of possible biospecimens may include but are not limited to tumor tissue, matching uninvolved lung parenchyma or airway epithelium, lung exhalant, tissue, blood, sputum, hair, toenails, and bronchoscopic brushings and biopsies. Additional requirements for the LCBRN will be the ability to collect, store, and manage data derived from these biospecimens. LCBRN applicants should possess the ability to derivatize DNA, RNA, and proteins, and also utilize both standard and state-of-the-art technologies (e.g., laser capture microdissection, tissue microarrays) to provide the necessary biospecimen processing for lung cancer research studies.

The proposed LCBRN must collect, process, annotate, store, and distribute human lung cancer biospecimens that support two or more of the Areas of Emphasis listed below:

- Identification or development of non-invasive or minimally invasive tools to improve the detection of the initial stages of lung cancer.
- Identification and development of tools for screening or early detection of lung cancer. Screening may include, but is not limited to, computed tomography scans, X-rays, other imaging, biomarkers, genetics/genomics/proteomics, and assessment of risk factors.
- Understanding the molecular mechanisms that lead to clinically significant lung cancer, provide infrastructure support for the development of a lung cancer biospecimen resource that will facilitate the collection, processing, annotation, storage, and distribution of high-quality human lung cancer biospecimens through a collaborative network across multiple institutions. The LCBRN will consist of a Coordinating Center that will also function as a biospecimen resource site and a minimum of two additional Biospecimen Resource Sites that will be jointly responsible for developing the biospecimen resource network for lung cancer research.

For further information: <http://cdmrp.army.mil/funding/lcrp.htm>

Clinical Consortium Award W81XWH-09-PRORP-CCA

Department of Defense (DOD); Peer Reviewed Orthopaedic Research Program (PRORP)

Deadline: Required Pre-Application (Letter of Intent): December 23, 2009

Full Application: January 11, 2010

The PRORP Clinical Consortium Award is being offered for the first time in FY09. The intent of the award is to fund clinical studies focused on improving the outcomes of severe musculoskeletal injuries commonly associated with military combat. The main objective of this Consortium Award is to address questions that need to be answered through large multi-site clinical trials with appropriate statistical power. The award is designed to combine the population of military orthopaedic trauma patients and the combat-relevant expertise of PRORP-specified military treatment facilities with the patient populations and research expertise of highly qualified civilian orthopaedic trauma departments at outstanding institutions. Clinical outcomes will require longitudinal evaluations of definitive care which should include surgical reconstruction, clinical rehabilitation, and return to optimal function. The expected end results are an established infrastructure for continuing clinical studies on combat-relevant musculoskeletal injuries, and products (information, guidelines, validated techniques, or devices) that result in changes to, or validation of, current clinical practice that lead to better outcomes for our injured warriors.

For further information: <http://cdmrp.army.mil/funding/prorp.htm>

PHYSICAL SCIENCES & MATHEMATICS

See also opportunities listed under MULTIPLE DISCIPLINES

Senior Scientist Mentor Program

Camille and Henry Dreyfus Foundation

Deadline: November 12, 2009

The Camille and Henry Dreyfus Foundation supports emeritus faculty who maintain active research programs with undergraduates in the chemical sciences. The Senior Scientist Mentor Program provides an award of \$20,000 over two years for undergraduate stipends and modest research support.

The Senior Scientist Mentor Program is open to all academic institutions in the States, Districts, and Territories of the United States of America that grant a bachelor's degree or higher in the chemical sciences, including biochemistry, materials chemistry, and chemical engineering. Faculty with emeritus status on or before January 2010, and who maintain active research programs in the chemical sciences, may apply to the program.

Successful applicants are expected to be closely engaged in a mentoring relationship with undergraduate students. The evaluation will be based on both an assessment of the research proposed and the plans for undergraduate participation in the research. An applicant's history of mentoring undergraduates is favorably viewed.

The Senior Scientist Mentor Program provides a \$20,000 award over two years, intended mostly for undergraduate stipends. Modest research support is also allowed. Funds are normally

expended over a period of three years after notification of an award. Charges associated with indirect costs or institutional overhead are not allowed. Faculty salary and any expenses associated with graduate students are not permitted. Foundation approval is required for significant budgetary changes. If the awardee leaves the institution, the transfer of the remaining funds requires prior Foundation approval.

More than one application per department or institution is permitted. All application materials and letters of support must be received at the Foundation office by November 12, 2009. Applications recommended for approval are presented to the Foundation's Board of Directors in time for award announcements by the end of January 2010.

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

Presidential Green Chemistry Challenge Awards Program

United States Environmental Protection Agency (EPA)

Deadline: December 31, 2009

The Presidential Green Chemistry Challenge was established to recognize and promote innovative chemical technologies that prevent pollution and have broad applicability in industry. The Challenge is sponsored by the Office of Pollution Prevention and Toxics of the United States Environmental Protection Agency (EPA) in partnership with the American Chemical Society (ACS) and other members of the chemical community. The Presidential Green Chemistry Challenge recognizes chemical technologies that incorporate the principles of green chemistry into chemical design, manufacture, and use. For the purposes of the program, green chemistry is defined as the use of chemistry for source reduction. Source reduction prevents the formation of any hazardous substance in any chemical product or process. Source reduction is the highest tier of the risk management hierarchy as described in the Pollution Prevention Act of 1990.¹ It is preferable to recycling, treatment, or disposal. Chemical technologies that include recycling, treatment, and disposal may be eligible for the Challenge Program if they offer source reduction over traditional technologies for recycling, treatment, and disposal.

Green chemistry reduces or eliminates the use or generation of hazardous substances from chemical products and processes. Green chemistry improves upon all types of chemical products and processes by reducing impacts on human health and the environment relative to competing technologies.

Green chemistry technologies encompass all types of chemical processes including syntheses, catalyses, reaction conditions, separations, analyses, and monitoring. A green chemistry technology can involve implementing incremental improvements at any stage. It can, for example, substitute a greener feedstock, reagent, catalyst, or solvent in an existing synthetic pathway. A green chemistry technology also can involve substituting an improved product or an entire synthetic pathway. Ideally, a green chemistry technology incorporates the principles of green chemistry at the earliest design stages of a new product or process. Benefits to human health and the environment may occur at any points in the technology's lifecycle: extraction, synthesis, use, and ultimate fate.

To be eligible for an award, a green chemistry technology must have reached a significant milestone within the past five years (e.g., been researched, demonstrated, implemented, applied, patented, etc.). It must also have a significant component within the United States.

Nominated green chemistry technologies should be an example of one or more of the following three focus areas:

1. The use of greener synthetic pathways: This focus area involves designing and implementing a novel, green pathway for a chemical product. Examples include synthetic pathways that use greener feedstocks that are innocuous or renewable (e.g., biomass, natural oils); use novel reagents or catalysts, including biocatalysts and microorganisms; are natural processes, such as fermentation or biomimetic synthesis; are atom-economical; or are convergent syntheses.
2. The use of greener reaction conditions: This focus area involves improving conditions other than the overall design or redesign of a synthesis. Greener analytical methods often fall within this focus area. Examples include reaction conditions that replace hazardous solvents with solvents that have a reduced impact on human health and the environment; use solvent-less reaction conditions and solid-state reactions; use novel processing methods that prevent pollution at its source; eliminate energy- or material-intensive separation and purification steps; or improve energy efficiency, including reactions running closer to ambient conditions.
3. The design of greener chemicals: This focus area involves designing and implementing chemical products that are less hazardous than the products or technologies they replace. Examples include chemical products that are less toxic than current products; inherently safer with regard to accident potential; recyclable or biodegradable after use; safer for the atmosphere (e.g., do not deplete ozone or form smog).

Many green chemistry technologies fit into more than one focus area. Technologies that do not fit within at least one focus area may not be within the scope of the program. EPA's Office of Pollution Prevention and Toxics is particularly interested in technologies that reduce or eliminate the following: lead; mercury; perfluorinated alkyl surfactants; polychlorinated or polybrominated biphenyls; or other persistent, bioaccumulative, and toxic substances

For further information: <http://www.epa.gov/oppt/greenchemistry/pubs/pgcc/presgcc.html>

Mathematical Biology Program

National Science Foundation (NSF)

Deadline: January 13, 2010

The program supports research in areas of applied and computational mathematics with relevance to the biological sciences. Successful proposals are mathematically innovative and address challenging problems of interest to members of the biological community. Projects may include development of mathematical concepts and tools traditionally seen in other disciplinary programs within DMS, e.g., topology, probability, statistics, and computation, etc. To receive

appropriate and timely review, such proposals should be submitted directly to the relevant disciplinary program, but will be considered for co-review by the Mathematical Biology program, which may be selected as a secondary program. Proposals that use established mathematical, statistical and computational tools to address problems in the biological sciences are typically not appropriate for consideration by the disciplinary programs within DMS.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5690

APS Congressional Science Fellowship Program

American Physical Society (APS) Fellowships

Deadline: January 15, 2010

It is the aim of the APS in sponsoring these fellowships to provide a public service by making available individuals with scientific knowledge and skills to Members of Congress, few of whom have a technical background. In turn, the program enables scientists to broaden their experience through direct involvement with the legislative and political processes. Fellows gain a perspective that, ideally, will enhance not only their own careers but also the physics community's ability to more effectively communicate with its representatives in Congress. Today's budget climate makes this ability of increasing importance as shrinking resources force hard choices between worthy projects.

Following a two-week orientation in Washington, DC, sponsored by the American Association for the Advancement of Science (AAAS), incoming fellows become acquainted with most aspects of their future work environment. Following interviews on Capitol Hill, fellows choose a congressional office -- personal or committee staff -- where they wish to serve. Fellows are expected to be capable of handling varied assignments, both technical and nontechnical.

For further information: <http://www.aps.org/policy/fellowships/congressional.cfm>

Research in Support of the National Space Weather Program (NSWP) - NSF 07-520

National Science Foundation (NSF)

Deadline: January 16, 2010

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>

Scientific Computing Research Environments for the Mathematical Sciences NSF 07-502
National Science Foundation (NSF)
Deadline: January 21, 2010

The DMS plans a limited number of awards for the support of computing environments dedicated to research in the mathematical sciences. Proposals may request support for the purchase of computing equipment and limited support for professional systems administrators or programmer personnel for research computing needs. These grants are intended to support research projects of high quality that require access to advanced computing resources. Requests for routine upgrades of standard desk-environment workstations or laptop computers are not appropriate for this program. Awards are made to provide support for specific research projects rather than to provide general computing capacity. Proposers are encouraged to include projects involving symbolic and algebraic computations, numerical computations and simulations, and graphical representations (visualization) in aid of the research.

For further information: <http://www.nsf.gov/pubs/2007/nsf07502/nsf07502.htm>

Collaboration in Mathematical Geosciences (CMG) - NSF 09-520
National Science Foundation (NSF)
Deadline: January 22, 2010

The Division of Mathematical Sciences (DMS), within the Directorate for Mathematical and Physical Sciences (MPS), the Directorate for Geosciences (GEO), and the Office of Polar Programs of the National Science Foundation (NSF) expect to make a number of awards in FY 2009 and FY 2010 that will support the activities of groups of investigators working at the frontiers of mathematical geosciences. The CMG activity was originally a component of NSF's Mathematical Sciences Priority Area, and the participating divisions have agreed to extend the solicitation for an additional two years.

The purpose of the CMG activity is to enable collaborative research at the intersection of mathematical sciences and geosciences, and to encourage cross-disciplinary education. Proposals should bring together scientists from both the mathematics and geosciences communities in a truly collaborative effort. Proposals in three broad thematic areas are solicited in this competition: (1) mathematical and statistical modeling of complex geosystems, (2) understanding and quantifying uncertainty in geosystems, or (3) analyzing large/complex geoscience data sets. Research projects supported under this activity must be essentially collaborative in nature. Proposals that address problems with relevance to global change and sustainability are especially encouraged.

For further information:
http://www.nsf.gov/pubs/2009/nsf09520/nsf09520.htm?govDel=USNSF_25

Computational Biology and Bioinformatic Methods to Enable a Systems Biology Knowledgebase Grant

Department of Energy-Chicago Service Center

Deadline: January 29, 2009

The Office of Biological and Environmental Research (BER) of the Office of Science (SC), U.S. Department of Energy (DOE) advances world-class biological and environmental research and provides scientific facilities to support DOE missions in scientific discovery and innovation, energy security, and environmental responsibility. BER hereby announces its interest in receiving applications for potential funding of computational biology and bioinformatic methods and analytics to enable the planned Systems Biology Knowledgebase. The goal of systems biology is to understand living systems, a simple microbe or a complex ecosystem, so well that we can develop predictive, computational models of the systems that behave the same way as the living system. Such predictive models would enable scientists to accurately predict an organism's or a more complex system's behavior.

For further information:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=49272>

SOCIAL SCIENCES

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

Executive Branch Policy Fellowships in Child Development

Society for Research in Child Development (SRCD)

Deadline Dec 15, 2009

The Society for Research in Child Development (SRCD) Executive Branch Policy Fellowship program is designed to provide greater interaction between the developmental research community and federal research programs and policies. Following a two-week science policy orientation program at AAAS, fellows work as resident scholars in a federal agency that sponsors developmental research, providing advice and guidance to programs, and working in partnership with research teams within the federal government.

URL for more info

http://www.srcd.org/index.php?option=com_content&task=view&id=186&Itemid=1

Mental Health Dissertation Research Grant to Increase Diversity (R36)

Department of Health and Human Services (HHS)

Deadline Dec 22, 2009

The purpose of this Funding Opportunity Announcement (FOA) is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to U.S. citizens or permanent residents who are predoctoral

students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

URL for more info <http://grants.nih.gov/grants/guide/pa-files/PA-09-132.html>

Congressional Fellowship Program

American Psychological Association (APA) Fellowship Program

Deadline Jan 07, 2010

The purpose of the fellowship program is to provide psychologists with an invaluable public policy learning experience, to contribute to the more effective use of psychological knowledge in government, and to broaden awareness about the value of psychology-government interaction among psychologists and within the federal government. Fellows spend one year working on the staff of a member of Congress or congressional committee. Activities may involve drafting legislation, conducting oversight work, assisting with congressional hearings and events, and preparing briefs and speeches. Fellows also attend a two-week orientation program on congressional and executive branch operations, which includes guidance in the congressional placement process, and participate in a year-long seminar series on science and public policy issues. The American Association for the Advancement of Science (AAAS) administers these aspects of the program for the APA Fellows and for fellows sponsored by over two dozen other professional societies.

URL for more info <http://www.apa.org/ppo/fellows/>

Grounding Language Understanding in Cognitive Architecture - topic #8

United States Department of Defense (DOD)

Deadline Jan 09, 2010

The objective of this research topic is to investigate and implement cognitively plausible algorithms for understanding dialogue within a cognitive-architectural framework. Advances in cognitive architecture to enable dialogue understanding should include but are not limited to the following:

1. A capability for reasoning about the of mental states of dialogue participants as dynamic constraints on interpretation
2. The capacity to make abductive inferences about ambiguous information
3. An ability to integrate syntactic, semantic, and pragmatic knowledge within the same architectural framework.

Multidisciplinary teams consisting of any combination of cognitive/social/developmental psychologists, cognitive scientists, artificial intelligence researchers, psycholinguists and computational linguists are preferred, given that cognitive architecture development/extension is highly constrained by the human sciences.

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 to address issues of critical concern to the DOD.

URL for more info http://www.onr.navy.mil/sci_tech/3t/corporate/muri.asp

Social Psychology Program - PD 98-1332

National Science Foundation (NSF)

Deadline Jan 15, 2010

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.

URL for more info http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5712

Law and Social Science Program

National Science Foundation (NSF)

Deadline Jan 15, 201

The 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.

URL for more info http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5422

Political Science Program

National Science Foundation (NSF)

Deadline Jan 15, 2010

The program supports scientific research that advances knowledge and understanding of citizenship, government, and politics. Research proposals are expected to be theoretically motivated, conceptually precise, methodologically rigorous, and empirically oriented. Substantive areas include, but are not limited to, American government and politics, comparative government and politics, international relations, political behavior, political economy, and political institutions. In recent years, program awards have supported research projects on bargaining processes; campaigns and elections, electoral choice, and electoral systems; citizen support in emerging and established democracies; democratization, political change, and regime transitions; domestic and international conflict; international political economy; party activism; and political psychology and political tolerance. The program also has supported research experiences for undergraduate students and infrastructural activities, including methodological innovations, in the discipline.

URL for more info http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5418

Linguistics

National Science Foundation (NSF)

Deadline Jan 15, 2010

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.

URL for more info http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5408

Developmental and Learning Sciences (DLS) - PD 08-1698

National Science Foundation (NSF)

Deadline Jan 15, 2010

DLS supports fundamental research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. Research supported by this program will add to our basic knowledge of how people learn and the underlying developmental processes that support learning, with the objective of leading to better educated children and adolescents who grow up to take productive roles as

workers and as citizens. Among the many research topics supported by DLS are developmental cognitive neuroscience; development of higher-order cognitive processes; transfer of knowledge from one domain or situation to another; use of molecular genetics to study continuities and discontinuities in development; development of peer relations and family interactions; multiple influences on development, including the impact of family, school, community, social institutions, and the media; adolescents' preparation for entry into the workforce; cross-cultural research on development and learning; and the role of cultural influences and demographic characteristics on development. Additional priorities include research that: incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches; develops new methods, models, and theories for studying learning and development; and integrates different processes (e.g., learning, memory, emotion), levels of analysis (e.g., behavioral, social, neural), and time scales (e.g. infancy, middle childhood, adolescence).

URL for more info http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=8671

Methodology, Measurement, and Statistics (MMS) - NSF 08-561

National Science Foundation (NSF)

Deadline Jan 16, 2010

The MMS Program is an interdisciplinary program in the social, behavioral, and economic sciences that supports the development of innovative analytical and statistical methods and models for those sciences. MMS seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social and behavioral sciences. As part of its larger portfolio, the MMS Program partners with a consortium of federal statistical agencies to support research proposals that further the development of new and innovative approaches to surveys and to the analysis of survey data. The MMS Program supports a variety of different types of awards, including Regular Research Awards, Mid-Career Research Fellowships, Doctoral Dissertation Research Improvement Grants, and Research Experience for Undergraduates (REU) Supplements.

URL for more info <http://www.nsf.gov/pubs/2008/nsf08561/nsf08561.htm>

Psi Chi/FBI National Center for the Analysis of Violent Crimes Internship Grants

Psi Chi (National Honor Society in Psychology)

Deadline Feb 01, 2010

The purpose of this program is to further the goals of Psi Chi by providing funds for undergraduate or graduate Psi Chi members to conduct research at the FBI National Center for the Analysis of Violent Crime (NCAVC) in Quantico, Virginia. The NCAVC conducts empirical research on factors involved in violent crime (e.g., maternal filicide, sexual exploitation of children, domestic violence homicide, child abduction and homicide, serial murder). Interns participate as team members in all aspects of the research. Psi Chi has formed a partnership with the NCAVC to provide grants for NCAVC interns who are Psi Chi members.

URL for more info http://psichi.org/awards/completelist_awards.asp

Perception, Action, and Cognition

National Science Foundation (NSF)

Deadline Feb 01, 2010

This program supports research on perception, action and cognition including the development of these capacities. Emphasis is on research strongly grounded in theory. Research topics include vision, audition, haptics, attention, memory, reasoning, written and spoken discourse, motor control, and developmental issues in all topic areas. The program encompasses a wide range of theoretical perspectives, such as symbolic computation, connectionism, ecological, nonlinear dynamics, and complex systems, and a variety of methodologies including both experimental studies and modeling. Research involving acquired or developmental deficits is appropriate if the results speak to basic issues of perception, action, and cognition.

URL for more info http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5686

MULTIPLE DISCIPLINES

Basic and Applied Sciences Directorate Basic Research for Combating Weapons of Mass Destruction (C-WMD)

Defense Threat Reduction Agency

Deadline: November 2, 2009

1. **Science of WMD Sensing and Recognition:** The basic science of WMD sensing and recognition is the fundamental understanding of materials that demonstrate measurable changes when stimulated by energy, molecules, or particles from WMD in the environment. This research thrust involves exploration and exploitation of interactions between materials and various electromagnetic frequencies, molecules, nuclear radiation or particles. These interactions and the specific form of recognition they provide are used for subsequent generation of information that provides knowledge of the presence, identity, and/or quantity of material or energy in the environment that may be significant.
2. **Cognitive and Information Science:** The basic science of cognitive and information science is the convergence of computer, information, mathematical, networks, natural, and social science. This research thrust expands our understanding of social networks and advances knowledge of adversarial intent with respect to the acquisition, proliferation, and potential use of WMD. The methods may include analytical, computational or numerical, or experimental means to integrate knowledge across disciplines and improve rapid processing of intelligence and dissemination of information.
3. **Science for Protection:** Basic science for protection involves advancing knowledge to protect life and life-sustaining resources and networks. Protection includes threat containment, decontamination, threat filtering, and shielding of systems. The concept is generalized to include fundamental investigations that reduce consequences of WMD, assist in the restoration of life-sustaining functions, and support forensic science.

4. Science to Defeat WMD: Basic science to defeat WMD involves furthering the understanding of explosives, their detonation, and problems associated with accessing the target WMDs. This research thrust includes the creation of new energetic molecules/materials that enhance the defeat of WMDs, the improvement of modeling, and simulation of these materials and various phenomena that affect success and estimate the impact of defeat actions, and investigation of novel methods that may yield order-of-magnitude improvements in energy and energy release rate.

5. Science to Secure WMDs: Basic science to support securing WMD includes: (a) environmentally responsible innovative processes to neutralize chemical, biological, radiological, nuclear, or explosive (CBRNE) materials and components; (b) discovery of revolutionary means to secure components and weapons; and (c) studies of scientific principles that lead to novel physical or other tags and methods to monitor compliance and disrupt proliferation pathways. The identification of basic phenomena that provide verifiable controls on materials and systems also helps arms control.

For further information:

<http://www.grants.gov/search/announce.do;jsessionid=VC4hKWwd1ZTkh9BTk3WqTpp2MKvDnQg2nW2hW2TBJXgF98hWF7SC!-82303134>

DHS S&T Long Range

United States Department of Homeland Security (DHS)

Deadline: December 31, 2009

DHS S&T is interested in receiving proposals for Long Range Science and Technology Projects and innovative prototypes which offer potential for advancement and improvement of homeland security missions and operations. Readers shall note that this is an announcement to declare S&T's broad role in competitive funding of meritorious research across a spectrum of science and engineering disciplines. S&T is soliciting individuals or teams to conduct basic research, applied technology development, or the preparation of integrated prototypes for field investigations of the performance of new and innovative solutions. It cannot be emphasized too strongly that proposals in these areas must show future promise for mission and operational relevance and to the greatest extent be demonstrable in a relevant homeland security environment. The general overarching example (for all divisions) is basic science ideas (e.g. biology, chemistry, physics, materials, and algorithms) that hold promise for transformative performance improvements across prevention, detection, defeat, mitigation, and destruction strategies for all homeland threats.

Topical Areas of strategic interest include the following:

1. Explosives Countermeasures including the detection, mitigation, and response to explosive threats including MANPADS, detection of explosives on aviation travelers, in checked and carry-on baggage, Home Made Explosives (HME), improvised explosive devices (IEDs) - vehicle borne (VBIED) and person borne (PBIED), and response and defeat technologies
 - Standoff Detection of Explosives
 - Defeat of Improvised Explosive Devices
 - Data Fusion and Automated Detection for aviation cargo, checked baggage, carry-on baggage

and personal check points

2. Chemical and Biological analyses and countermeasures, including improved characterization and prioritization of threats, development and detection systems for early attack warning that minimize exposure and speed treatment of victims, new forensic methods to support attribution, and novel concepts for decontamination and restoration, agrodefense, and food security

3. Border and Maritime Security tools and technologies that improve the security of our nation's borders and waterways without impeding the flow of commerce and travelers: Concepts and prototypes for pilot testing surveillance, monitoring, and response capabilities that cover vast expanses of remote border and the development and evaluation of security devices and new inspection methods to secure the large volume of cargo entering U.S. ports daily. There are three subdivisions:

- a. Border Security
- b. Maritime Security
- c. Cargo Security

4. Command, Control, and Interoperability research and development that creates and deploys information resources - standards, frameworks, tools, and technologies - to enable seamless and secure interactions among homeland security stakeholders: Concepts, prototypes and other technologies that strengthen capabilities to communicate, share, visualize, analyze, and protect information.

5. Human Factors/Behavior Sciences analyses, methods, tools, technologies and techniques to improve detection, analysis, and understanding of threats posed by individuals, groups, and radical movements; improve the recognition of individuals; improve the resilience of American society and of individual communities against hazards and threats to social and economic vitality, including increasing understanding of cognitive and behavioral processes influencing decision making and communication relating to catastrophic events; improve the preparedness, response and recovery of communities impacted by catastrophic events, including mitigating the effects of those events; and to improve overall effectiveness and applicability of homeland security technologies and processes through the collection and use of human performance and public perception data to increase usability, application, and acceptance.

6. Infrastructure and Geophysical - technologies for identifying and mitigating all hazard vulnerabilities of the 18 critical infrastructure/key assets, and technologies for improving the preparedness and response for federal, state, local, tribal governments, first responders and the private sector, to all-hazards events impacting the U.S. population and critical infrastructure.

In addition to the example areas listed above, efforts that propose basic research or advanced research and technology demonstration may be proposed to address technology gaps that are described in the document entitled "High Priority Technology Needs," DHS S&T, dated June 2008, as amended.

This announcement is restricted to work relating to basic and applied research and that portion of advanced technology development not related to a specific system or hardware procurement.

Purchase of capital equipment that will then be the subject of research and development to effect a modification and ensure that the purchased equipment fulfills DHS requirements is allowed. Contracts, grants, cooperative agreements, and other transaction agreement awards made under this BAA are for scientific study and experimentation directed towards advancing the state-of-the-art or increasing knowledge or understanding.

For further information: <https://baa.st.dhs.gov/>

Multidisciplinary University Research Initiative (MURI) - ONRBAA08-019

United States Department of Defense (DOD)-Army

Deadline: January 9, 2010

The MURI program supports basic science or engineering research at U.S. institutions of higher education that is of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical concern to the DOD. White papers and full proposals addressing the following topics should be submitted to the Army Research Office:

1. Disruptive fibers for flexible armor
2. Network-based hard/soft information fusion
3. Tailored stress-wave mitigation
4. Integrated quantum circuits
5. Adaptive structural materials
6. Transformational optics
7. Emergent phenomena at complex oxide interfaces
8. Application of systems biology to regenerative medicine
9. Mechanisms of bacterial spore germination
10. Opportunistic sensing
11. Cyber situation awareness

For further information:

<http://www07.grants.gov/search/search.do;jsessionid=L3Rf131q9DLYGXJj94L0LNS4y54Kv9JySGLnxL7hHdfG4BGxcpdn!144397416?oppId=42800&flag2006=false&mode=VIEW>

Multidisciplinary University Research Initiative (MURI) - ONR-BAA-08-019

United States Department of Defense (DOD)-Air Force

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1. Neurological system-inspired multifunctional materials design for autonomous state awareness against exogenous threats
2. Chemical energy enhancement by nonequilibrium plasma species

3. Ultracold molecules
4. Search for new superconductors for energy and power applications
5. Complex nonperiodic nanophotonics
6. Multi-scale fusion of information for uncertainty quantification and management in large-scale simulations
7. Learning decision architectures for intelligent cooperative control of autonomous systems
8. Information dynamics in networks
9. Synthesis, analysis, and prognosis of hybrid-material flight structures
10. Biophotonics: optical effects through nature's photonic control
11. Fundamental graphene material studies and device concepts
12. Application software and data protection for untrusted platforms

For further information: <http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=8127>