

Funding Opportunities Bulletin

November 2007

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BUSINESS

See also opportunities listed under MULTIPLE DISCIPLINES

Graduate Study and Research in Poland

Kosciuszko Foundation

Due Date: January 16, 2008

The Graduate Studies and Research in Poland Program allows American graduate students and university faculty members to conduct research at universities in Poland with financial support from the Polish Ministry of Education and Sport and the Kosciuszko Foundation.

For further information: http://www.thekf.org/EDScholarships_US_Research.html

Economics Program

National Science Foundation (NSF)

Due date: January 18, 2008

The Economics Program supports research designed to improve the understanding of the processes and institutions of the U.S. economy and of the world system of which it is a part. The program strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. Topics of current interest are computational economics, the transformation of command economies, human resource-related issues (poverty, labor productivity, the family, gender and racial discrimination, etc.), and global environmental change.

The program also funds conferences and interdisciplinary research that strengthens links among economics and the other social and behavioral sciences, as well as mathematics and statistics. The program supports research in almost every subfield of economics, including econometrics, economic history, finance, industrial organization, international economics, labor economics, public finance, macroeconomics, and mathematical economics.

For further information:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5437&org=SES&from=home

EDUCATION

See also opportunities listed under MULTIPLE DISCIPLINES

Research on Gender in Science and Engineering (GSE) - NSF 07-578

National Science Foundation (NSF)

Directorate for Education and Human Resources (EHR)

Due Date: November 5, 2007; January 7, 2008

The program seeks to broaden the participation of girls and women in all fields of science, technology, engineering, and mathematics (STEM) education by supporting research, dissemination of research, and extension services in education that will lead to a larger and more diverse domestic science and engineering workforce. Typical projects will contribute to the knowledge base addressing gender-related differences in learning and in the educational experiences that affect student interest, performance, and choice of careers; and how pedagogical approaches and teaching styles, curriculum, student services, and institutional culture contribute to causing or closing gender gaps that persist in certain fields. Projects will disseminate and apply findings, evaluation results, and proven good practices and products.

The Research on Gender in Science and Engineering program has been funding these objectives since 1993, under the prior names "Program for Women and Girls", "Program for Gender Equity in Science, Mathematics, Engineering, and Technology", and "Gender Diversity in STEM Education".

The program for Research on Gender in Science and Engineering seeks to build resources - developing the nation's knowledge capital, social capital, and human capital - toward the goal of broadening the participation of girls and young women in STEM education from kindergarten through undergraduate education.

The GSE program supports activities that address the following types of objectives.

1. Research

- To discover and describe gender-based differences and preferences in learning science and mathematics in K-16 and factors that affect interest, performance, and choice of STEM study and careers in fields where there are significant gender gaps;
- To discover and describe how experiences and interactions in informal and formal educational settings inhibit or encourage interest and performance of students based on gender;

- To increase the knowledge about organizational models that lead to more equitable and inviting STEM educational environments in K-16;
- To increase the knowledge of the process of institutional change required to achieve more equitable and inviting STEM educational environments in K-16.

2. Outreach and Communication

- To extend to significant audiences awareness and information about research-based and demonstrated strategies and practices to increase the participation of girls and women in STEM education and workforce, in order to inform educational practice;
- To catalyze new thinking and future action among educational institutions by convening conferences, workshops, or symposia that are not possible at regular meetings of professional societies.

3. Extension Services

- To integrate various findings about gender in science and engineering into a unified program of change; to facilitate the interpretation of research knowledge into practice;
- To provide consulting services within a certain geographic region or within a community of practice, explaining in simple language the practical meaning and benefits of adopting programs, tools, or approaches that enhance the interest and persistence of female students in STEM studies through the undergraduate level, in those fields where they are underrepresented;
- To show educators how to adapt exemplary projects, research-based learning tools, pedagogical approaches, and service or support programs; and
- To communicate back to researchers the problems that practicing educators find most urgent or troublesome in adopting the new methods or tools.

For more information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5475

Grants

A.L. Mailman Family Foundation, Inc.

Deadline: Letter of Inquiry: December 1, 2007

Invited Proposal: January 15, 2008

The A.L. Mailman Family Foundation's goal is to promote the building of sustainable systems that provide access to high quality early learning experiences for all children. Grants will be given to organizations

- attempting to effect system-wide change by encouraging responsive public policies;
- creating and disseminating curricula, materials, or tools that promote quality;
- engaging in advocacy and strategic communication to inform and build public will; and
- doing applied research designed to inform policy and improve practice.

For more information: <http://www.mailman.org/index.html>

Title VIII Special Initiatives Fellowship Program

American Councils for International Education - ACTR/ACCELS

Due Date: January 15, 2008

The Title VIII Special Initiatives Fellowship Program is funded by the U.S. Department of State's Program for the Study of Eastern Europe and the Independent States of the Former Soviet Union (Title VIII) and administered by American Councils for International Education: ACTR/ACCELS.

The Title VIII Special Initiatives Fellowship Program offers grants for field research on policy-relevant topics in the vitally important countries of Central Asia and the South Caucasus: Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan. The term "policy relevant" includes, but is not limited to, anthropology, area studies, economics, education, history, international relations, language and linguistics, law, political science, security studies, and sociology. Scholars must conduct at least four months of full-time research on a topic that will enable U.S. policy makers to better understand the region. Scholars may apply to travel and work in more than one country under a single grant.

For further information:

http://www.americancouncils.org/programDetail.php?program_id=NzA=

Title VIII Combined Research and Language Training (CRLT) Program

American Councils for International Education - ACTR/ACCELS

Due Date: January 15, 2008

Funded by the U.S. Department of State, Program for the Study of Eastern Europe and the Independent States of the Former Soviet Union (Title VIII), the American Councils Combined Research and Language Training (CRLT) Program serves U.S. graduate students and scholars who, in addition to support for research, require supplemental language instruction. The competition for funding is open and merit-based. American Councils can provide on-site training in virtually any of the languages of Eurasia and Eastern Europe as needed for each participant's work. The synergistic nature of the research and language training aspects of the Combined Research and Language Training Program promises both more productive research and efficient language acquisition.

Research and language training programs are available in Belarus, Central Asia, Russia, the South Caucasus, Ukraine, and Moldova. The following academic areas are included in the scope of this program: humanities, social sciences, linguistics, and area studies. While a wide-range of topics receive support each year, all funded research must contribute to a body of knowledge enabling the U.S. to better understand the region and formulate more effective policies within it. All applicants for Title VIII support will be asked to clearly address in writing the policy-relevance of their work, whether it be in anthropology, history, international relations, political science, or some other field.

For further information: http://www.americancouncils.org/programs.php?program_id=NDk=

Science Education Drug Abuse Partnership Award (R25)
Department of Health and Human Services (HHS)
January 25, 2008

The purpose of the Science Education Drug Abuse Partnership Award (SEDAPA) program is to fund the development and evaluation of innovative model programs and materials for enhancing knowledge and understanding of neuroscience and the biology of drug abuse and addiction among K-12 students, the general public, health care practitioners, and other groups. The award provides support for the formation of partnerships between scientists and educators, media experts, community leaders, and other interested organizations for the development and evaluation of programs and materials that will enhance knowledge and understanding of science related to drug abuse. The intended focus is on topics not well addressed in existing efforts by educational, community, or media activities.

For further information: <http://grants.nih.gov/grants/guide/pa-files/PAR-06-518.html>

ENGINEERING & COMPUTER SCIENCE

See also opportunities listed under MULTIPLE DISCIPLINES

Information and Intelligent Systems: Advancing Human-Centered Computing, Information Integration and Informatics, and Robust Intelligence - NSF 07-577

National Science Foundation (NSF)

Due Date: November 19, 2007, December 10, 2007

The National Science Foundation (NSF) Division of Information and Intelligent Systems intends to fund science and engineering research and education projects that develop new knowledge in the following three core technical areas:

- Human-Centered Computing (HCC);
- Information Integration and Informatics (III); and
- Robust Intelligence (RI).

In this solicitation, IIS is emphasizing two cross-cutting technical areas:

- Human-Robot (and/or Agents) Interaction (HRI); and
- Information Privacy and Security (IPS).

IIS also intends to fund curriculum development (IISCD) activities that have the potential to greatly improve higher education in IIS core and cross-cutting areas. Projects should result in new knowledge and prepare future generations of professionals in IIS areas of research and education.

For further information: <http://www.nsf.gov/pubs/2007/nsf07577/nsf07577.htm>

Research, Development, and Demonstration Projects for Waste Heat Recovery from Industrial Processes in California

California Energy Commission

Due date: December 14, 2007

The purpose of this Request for Proposals (RFP) is to select one or more contractors who will conduct research, development and demonstration (RD&D) on waste heat recovery. Economically viable methods to recover large amounts of waste heat have been identified as an RD&D priority for California industries. Almost all major industries using steam and process heating systems generate low grade heat (i.e., heat streams below 500F) and mid grade heat (i.e. heat streams 500F - 1000F). Heat streams at temperatures above 1000F have largely been exploited with exceptions for processes that offer unique challenges such as corrosive environments. In most cases for low grade heat, this heat is not utilized and is discharged as a hot gas or liquid. In some cases, more energy is expended before the process steam can be discharged or reused, as is the case for hot water streams discharged from heating processes. There are at least two reasons for this practice: (1) there is no use for heat at the temperature level of the available waste heat, or (2) available methods or technology for converting the waste heat to a useful form cannot be economically justified.

This RFP will focus on improving waste heat recovery including, but not exclusive to, the following areas:

- Enhanced heat transfer systems that would increase heat transfer from gases to heat transfer surfaces in gas-liquid heat exchangers.
- Advanced materials with following characteristics:
 - (1) Materials that can withstand corrosive components of the waste heat streams. This may include use of non-metallic materials with relatively high thermal conductivity and non-wetting characteristics.
 - (2) Low temperature materials with phase change that will absorb and retain relatively large amount of heat between heat transfer stages.
 - (3) Relatively moderate or low cost.
 - (4) Reusable and ease of maintenance (easy to recover/clean when they are contaminated).
- Chemically reactive systems that involve exothermic/endothermic reactions using waste heat from fluids (gases, liquids, vapors).
- Thermo-electric systems to capture and convert low intensity heat losses into usable energy (e.g., wall losses from heating equipment converted to electrical power).
- Innovative working fluids to capture low-quality heat.
- High temperature combustion air preheaters.
- Low NO_x burners using highly preheated air, operating over a wide range of firing rates and with sustained low NO_x values.
- Systems that allow use of waste heat for load preheating and moisture removal prior to thermal processing.
- Flue gas recycling and heat cascading systems to recycle heat from higher temperature processes.
- Methods to convert sensible heat into storable energy.
- Other methods to convert waste heat into transportable energy source (electricity, high Btu

fuel).

The proposals must clearly and adequately show that the bidder has a strategy and technological development path. Proposals must also address the scientific and technological development path toward more efficient, cost effective, reliable, available, maintainable, and durable waste heat recovery systems in California.

For further information: <http://www.energy.ca.gov/contracts/pier.html#500-07-501>

Young Investigator Program (YIP)

United States Department of Defense (DOD)

Due date: January 12, 2008

The Office of Naval Research (ONR) announces its Young Investigator Program (YIP) 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:

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 technology
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

Science of Learning Centers (SLC)

National Science Foundation (NSF)

Due date: February 4, 2008

The Science of Learning Centers program (SLC) offers awards for large-scale, long-term Centers that create the intellectual, organizational and physical infrastructure needed for the long-term advancement of Science of Learning research. It supports research that harnesses and integrates knowledge across multiple disciplines to create a common groundwork of conceptualization,

experimentation and explanation that anchor new lines of thinking and inquiry towards a deeper understanding of learning.

The goals of the Science of Learning Centers Program are to advance the frontiers of all the sciences of learning through integrated research; to connect the research to specific scientific, technological, educational, and workforce challenges; to enable research communities to capitalize on new opportunities and discoveries; and to respond to new challenges.

The SLC Program construes learning broadly, including that of animals, humans and machines. The program is open to many possible approaches and topics that can be brought to examine what learning is, how it is affected, how it works at different levels, how biologically-derived learning principles can inform artificial systems and vice versa. The Program places high value on creativity, integration of theoretical and empirical work, innovative models of research and research transfer, and inventive uses of technology.

Science of Learning Centers are built around a unifying research focus and incorporate a diverse, multidisciplinary environment involving appropriate partnerships with academia, industry, all levels of education, and other public and private entities.

Catalyst awards are made during the initial years of the program. Catalyst awards are designed to enable partnership-building and research activities that facilitate interdisciplinary approaches to questions that require multiple areas of expertise.

There will be no SLC Centers or Catalyst competitions for FY07 and FY08. However, the Science of Learning Centers Program is currently accepting proposals for workshops, Small Grants for Exploratory Research (SGERs), and supplements to NSF awards, including those funded by other programs. Please contact the SLC Program Officers for additional information and guidelines prior to proposal submission.

For further information:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5567&org=NSF&sel_org=NSF&from=fund

Power, Controls and Adaptive Networks (PCAN)

National Science Foundation (NSF)

Due Date: February 7, 2008

The Power, Controls and Adaptive Networks (PCAN) program supports creative research and education underlying the analysis and design of intelligent engineering networks for control, communications, computation and energy. Proposals leading to improved methods for multi-scale modeling, learning, optimization, reliability, security and robustness of complex dynamical systems are of interest. Distributed networks occur in telecommunications, Internet, power and energy, transportation and manufacturing.

Adaptive, learning and self-organizing principles offer potential for improved performance of

networks with uncertain models and changing characteristics. Topics of interest include adaptive dynamic programming, reinforced learning, pattern recognition, and intelligent agents to develop brain-like networked architectures performing real-time learning using sensors and actuators.

The program also invites proposals dealing with control theory in bioelectronics, including molecular biology, genomics, biotechnology and robotics. In addition, areas of interest include computational video and imaging, integrated sensor networks, autonomic communication networks, quantum computing, embedded control, and measurement and control of micro-scale and nano-scale devices and systems.

The program also covers all aspects of transmission, distribution and generation of electric power, including operations, communications, reliability, electric machines, power electronics and drives. The program further includes integration of renewable and distributed energy systems, such as fuel cells, solar cells, wind power and micro-turbines into large power networks. Understanding of regulatory and economic structures for power grids and critical infrastructures is needed to support the 21st Century economy. The program supports the development of innovative architectures for multi-scale modeling.

Areas of interest include:

- Adaptive Dynamic Programming,
- Embedded, Distributed and Adaptive Control,
- Power and Energy Networks,
- Quantum Modeling and Simulation of Devices and Systems,
- Sensing and Imaging Networks,
- Telerobotics.

For further information: <http://fundingopps.cos.com/cgi-bin/getRec?id=101085>

Service Enterprise Engineering (SEE)

National Science Foundation (NSF)

Due Date: February 15, 2008

The Service Enterprise Engineering (SEE) program will address focused research on design, planning, and control of operations and processes in commercial service enterprises. Contributions should extend the range of analytical and computational techniques addressed to these systems, or advance novel models offering policy insight or the prospect of implementable solutions. However, measurement and conceptualization of service processes as engineered systems may themselves represent a contribution in some applications.

The SEE program addresses focused research on design, planning, and control of operations and processes in commercial and institutional service enterprises. Contributions should extend the range of analytical and computational techniques addressed to these systems, and/or advance novel models offering policy insight or the prospect of implementable solutions. The SEE program is a new venture that became fully operational with the fiscal year beginning October 1, 2002. Service enterprises dominate the U.S. economy, and the SEE program is intended to

parallel more traditional activities in modeling and analysis of manufacturing enterprises with a new focus on engineered systems in service operations. Sectors represented initially include commercial transportation; logistics and distribution; health care delivery; financial engineering; electronic markets and auctions; after sale equipment monitoring, maintenance, and repair; retailing; and hospitality and entertainment.

Customer Call/Contact Centers Contributions may involve generic issues for such enterprises such as staff scheduling, dynamic pricing, facilities design, and quality assurance, or they may address more focused questions of interest mainly in particular sectors.

For further information:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13343&org=NSF&from=fund

Developing Global Scientists and Engineers - NSF 04-036

National Science Foundation (NSF)

Due date: February 15, 2008

In response to a world in which science and engineering are increasingly global in scope, the National Science Foundation's (NSF's) Office of International Science and Engineering (OISE) program has restructured its programs. One of the focal areas of OISE activity will be providing international research and education experiences for U.S. students and junior researchers. This solicitation addresses opportunities for international research and education for early career stages of scientists and engineers, i.e., as undergraduates and graduate students.

For the United States to remain at the forefront of world science and technology, it needs an educated science and engineering workforce capable of operating in the international research environment and a global market. OISE programs complement and enhance the foundation's broader research and education portfolio and provide a set of programs designed to assist young scientists and engineers at several critical stages early in their careers. This solicitation describes support for International Research Experiences for Students (IRES) at the undergraduate and graduate level and support for Doctoral Dissertation Enhancement Projects (DDEP). The goal of these activities, and the related activities described below, is to build a more inclusive and globally engaged workforce that fully reflects the strength of our diverse population.

In addition to the activities described in this solicitation, the Office of International Science and Engineering supports other targeted international research and education experiences for early-career scientists and engineers via the Research Experience for Undergraduates program, the East Asia and Pacific Summer Institutes for U.S. Graduate Students, the Pan-American Advanced Studies Institutes (for advanced graduate students and postdoctoral fellows), and the International Research Fellowship Program (for postdoctoral fellows or new faculty).

For further information: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04036

FINE ARTS

Fellowships (Performing Arts Design and Technology)

United States Institute for Theatre Technology, Inc. (USITT)

Due date: January 10, 2008

Applicants must be members in good standing for the 12 months prior to the application date in order to apply for funding for USITT grants and fellowships.

Individual, Professional, Joint, and Senior members may apply for fellowships.

The United States Institute for Theatre Technology, Inc. (USITT) Fellowships are awarded for excellence in scholarship or creative activities in the areas of performing arts design and technology. The fellowship supports research for USITT members engaged in scholarship or creative activity.

Research or creative activities proposed for USITT Fellowships must have a coherent theme and result in important scholarly or creative activity in anticipation of a significant result.

Examples of previously funded fellowships include

- research into Japanese Yuzen techniques,
- Costumes of the Beijing Opera: The Communication of Character and Culture Through Clothing,
- study and work with Amakhose Theatre Company in Zimbabwe, and
- research in detail of Joseph Svoboda's production work.

For further information: <http://www.usitt.org/activities/Fellowships.html>

Grants for Research in Broadcasting

National Association of Broadcasters

January 31, 2008

The purpose of Grants for Research in Broadcasting is to stimulate interest in broadcast research, especially research on economic, business, social, or policy issues of importance to the U.S. commercial broadcast industry.

Topics listed below typify the kinds of issues that are most frequently raised in discussions among broadcast managers; however, proposals may include any of a variety of other issues.

1. Effective uses of television and radio with other media forms
2. Local station identification and branding in a digital environment
3. Consumer adoption of HD radio
4. Digital television format options
5. Impact of new technologies
6. Evolution of consumer media habits

7. Provision and effectiveness of local news programs
8. New audience measurement technologies
9. Development of improved media audience metrics
10. Impact of non-response on media research
11. Training tomorrow's broadcasters
12. Importance of television and radio broadcasting on local and national economies

For further information: <http://fundingopps.cos.com/cgi-bin/getRec?id=2455>

HUMANITIES

See also opportunities listed under MULTIPLE DISCIPLINES

Scholars-in-Residence

New York Public Library, Schomburg Center for Research in Black Culture

Due date: December 1, 2007

The Scholars-in-Residence program assists scholars and professionals whose research in the black experience can benefit from extended access to the center's collections. Seminars, colloquia, forums, symposia, and conferences will complement the residency program.

The program is designed to encourage research and writing in black history and culture, to facilitate interaction among the participants, including fellows funded by other sources, and to provide for widespread dissemination of findings through lectures, publications, and the Schomburg Center Seminars. The Schomburg Center program encompasses projects in African, Afro-American, and Afro-Caribbean history and culture.

Fellowships funded by the program will allow recipients to spend six months or a year in residence with access to resources at both the Schomburg Center and The New York Public Library. Fellows must devote their full time to their research projects and may not be employed or hold other major fellowships or grants during the period in residence. The Schomburg Center's Scholars-in-Residence Program is funded by the National Endowment for the Humanities and the Aaron Diamond Foundation.

For further information: <http://www.nypl.org/research/sc/scholars/applicationa.html>

National Endowment for the Humanities (NEH) Fellowships for Professional and Postdoctoral Scholars

American Research Center in Egypt (ARCE)

Due date: January 5, 2008

NEH Fellowships are restricted to persons who have already completed their formal professional training. They may not be awarded to degree candidates or for study leading to advanced degrees.

Postdoctoral and professional fellowships are available to U.S. citizens; they are also available to foreign-born citizens who have U.S. residency and have held a teaching position at an American university for a minimum of three years. Foreign nationals must have been residents of the United States for the three years immediately preceding the application deadline for the fellowship.

For further information: http://www.arce.org/fellowships/funded_fellowships.html

National Endowment for the Humanities Fellowships

Newberry Library, Long-Term Fellowships

Due date: January 10, 2008

The Newberry Library is an independent research library concentrating in the humanities. It houses a non-circulating collection of rare books, maps, and manuscripts. The library's holdings span the history and culture of western Europe from the Middle Ages to the mid-twentieth century and the Americas from the time of first contact between Europeans and Native Americans. Its strengths include European discovery, exploration, and settlement of the Americas; the American West; local history, family history, and genealogy; literature and history of the Midwest, especially the Chicago Renaissance; Native American history and literature; the Renaissance; the French Revolution; Portuguese and Brazilian history; British literature and history; the history of cartography; the history and theory of music; the history of printing; and early philology and linguistics. The collections number 1,500,000 printed titles, five million manuscript pages, and 300,000 historic maps.

The National Endowment for the Humanities Fellowships are for established scholars to support projects in any field appropriate to the library's collections.

For further information: <http://www.newberry.org/research/felshp/long-term.html>

AAS-National Endowment for the Humanities (NEH) Fellowships

American Antiquarian Society (AAS)

Due Date: January 15, 2008

The American Antiquarian Society (AAS)-National Endowment for the Humanities (NEH) Fellowships are postdoctoral fellowships for persons who have already completed their formal professional training. AAS-NEH Fellows are expected to be in regular and continuous residence at the society. They must devote full time to their study and may not accept teaching assignments or undertake any other major activities during the tenure of their award. Fellows may hold other major fellowships or grants during fellowship tenure, in addition to sabbaticals and supplemental grants from their own institutions. Other NEH-funded grants may be held serially, but not concurrently. AAS 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 society's collections.

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

National Endowment for the Humanities Fellowships

Winterthur Museum, Garden and Library Research Fellowship Program

Due date: January 15, 2008

Winterthur participates in a National Endowment for the Humanities (NEH) funded program, Fellowships at Independent Research Institutions, in which scholars may receive 4 to 12 month fellowships to pursue advanced research. This fellowship may not be used in the pursuit of a degree, although fellows with doctorate in hand may revise a dissertation for publication.

Winterthur Library is a recognized center for advanced study and is dedicated to the understanding and appreciation of America's artistic, cultural, social, and intellectual history from colonial times into the twentieth century.

Fellows have conducted research in the areas of material culture, architecture, decorative arts, design, consumer culture, garden and landscape studies, Shaker studies, travel and tourism, the Atlantic World, childhood, sentimental literary culture, and many other areas of social and cultural history. Winterthur's museum and library collections are rich and diverse, and Winterthur welcomes applications that offer fresh approaches to the resources.

For further information:

http://www.winterthur.org/research/fellowship.asp?sub=fellowships_avail

Short-Term Research Travel to Korea Grants

Association for Asian Studies, Inc. (AAS)

Due date: February 1, 2008

The Northeast Asia Council (NEAC) of the Association for Asian Studies (AAS), in conjunction with the Korea Foundation, offers a grant program in Korean studies designed to assist the research of individual scholars based in North America, to improve the quality of teaching about Korea on both the college and precollege levels, and to integrate the study of Korea into the major academic disciplines.

Short-Term Research Travel to Korea Grants are available to cover travel, research, and subsistence expenses on trips to Korea for projects explicitly related to Korean studies that can be accomplished in a relatively short period. These grants are intended for use by scholars who are already familiar with Korea and with their topic, but who need time in Korea in order to complete their work.

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

Research Grants

Arkansas Humanities Council

Due date: February 15, 2008

The Arkansas Humanities Council offers grants to support research projects involving individual or collaborative humanities research on topics in Arkansas prehistory, history, and culture. Collaborative research projects could include such projects as a countywide oral history project involving the members of a local historical society and directed by a scholar or team of scholars. The results of research supported by the council must be of interest or of value to Arkansas audiences outside the academic community as well as within it. The proposal should indicate how the results of the research will be presented to appropriate audiences during or after the grant period.

For further information: <http://www.arkhums.org/grants/categories.html>

National Endowment for the Humanities (NEH) Collaborative Humanities Research Fellowship

National Council for Eurasian and East European Research (NCEEER)

Due date: February 15, 2008

The National Endowment for the Humanities (NEH) is pleased to announce the open, merit-based competition for Collaborative Humanities Research Fellowships for the academic year 2007-2008. Postdoctoral scholars from the United States in the humanities may apply for collaborative research opportunities at universities and institutes in any country of Eastern or Central Europe or the Newly Independent States (NIS) of the former Soviet Union.

Topics are not restricted to regional or area studies; however, the project must involve at least one collaborator from the region and research in the region itself. Especially encouraged are applications with a strong regional focus and the potential to broaden and strengthen international academic linkages beyond the traditional centers such as Moscow, St. Petersburg, Warsaw, and Prague.

The National Endowment for the Humanities manages this program with funding allocated by the Congress of the United States. The NEH Collaborative Humanities Fellowship program is administered by the American Councils for International Education: ACTR/ACCELS (American Councils) in collaboration with the National Council for Eurasian and East European Research (NCEEER).

For further information: <http://www.nceeer.org/Programs/NEH%20%20fellowship.htm>

INTERNATIONAL AREA STUDIES

See also opportunities listed under HUMANITIES and MULTIPLE DISCIPLINES

Grants Program for U.S. Citizens

American Institute for Maghrib Studies (AIMS)

Deadline: December 1, 2007

The American Institute for Maghrib Studies (AIMS) The American Institute for Maghrib Studies (AIMS) announces its annual Grants Program for U.S. citizens, covering the academic year beginning in June 2007. The program offers grants to scholars interested in conducting research on North African in any Maghrebi 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.

1. TALM Research Grants: The Tangier American Legation Museum (TALM) is the AIMS Overseas Research Center in Morocco and welcomes proposals for research conducted anywhere in Morocco.
2. CEMAT Research Grants: To encourage the tradition of American scholarship and research in Tunisia, CEMAT, the American Research Center in Tunis, welcomes applications for a limited number of grants for Tunisian research.
3. CEMA Research Grants: To encourage research in Algeria, the AIMS newly established Overseas Research Center in Oran welcomes applicants for a limited number of grants.
4. Research Grants are available for scholars interested in conducting research in Libya or Mauritania or conducting multi-country research in any combination of North African countries.

These awards are made possible through grants from U.S. Department of State.

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

Independent Research on Venetian History and Culture - Predoctoral Grants

Delmas Foundation, Gladys Kriebel, Venetian Research Program

Due date: December 15, 2007

The Gladys Kriebel Delmas Foundation announces its 2008-2009 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/vir_a.html

Grants Program for U.S. Scholars

American Institute for Maghrib Studies (AIMS)

Due date: December 31, 2007

The American Institute for Maghrib Studies (AIMS) announces its annual Grants Program for U.S. Scholars for the academic year beginning in June 2008. The program offers grants to U.S. scholars in all disciplines who are interested in conducting research on North Africa in any Maghrib country, specifically Morocco, Tunisia, Algeria, Libya, or Mauritania. AIMS does not fund research outside the Maghrib in North Africa. AIMS sponsors three Overseas Research Centers in the region and all AIMS grants are categorized by where research will be conducted.

1. TALM Research Grants: The Tangier American Legation Museum (TALM) is the AIMS Overseas Research Center in Morocco and welcomes proposals for research conducted anywhere in Morocco.
2. CEMAT Research Grants: Centre d'Etudes Maghrébines à Tunis (CEMAT), the AIMS Research Center in Tunis, welcomes applications for research anywhere in Tunisia.
3. CEMA Research Grants: To encourage research in Algeria, the AIMS Overseas Research Center in Oran, Centre d'Etudes Maghrébines en Algérie (CEMA), welcomes applicants for research anywhere in Algeria.
4. AIMS Multi-country Research Grants are available for scholars interested in conducting research in Libya or Mauritania or conducting multi-country research in any combination of North African countries.

These awards are made possible through grants from the U.S. Department of State.

For further information: http://aimsnorthafrica.org/fellowships/1stuscitz_grants.cfm?menu=2

U.S. State Department Bureau of Educational and Cultural Affairs (ECA) Predoctoral and Postdoctoral Fellowships

American Research Center in Egypt (ARCE)

Due date: January 7, 2008

The American Research Center in Egypt (ARCE) is a nonprofit educational and cultural organization that supports archaeological and scholarly work in Egypt and fosters a deeper appreciation in the United States of Egypt's long cultural heritage. Through its fellowship

program, ARCE administers fellowships funded by the United States Department of State, Bureau of Educational and Cultural Affairs (ECA) for predoctoral candidates and postdoctoral scholars.

The fellowships are intended to promote knowledge of Egypt and the Near East through scholarly research, and to aid in the training of American specialists in Middle Eastern studies in academic disciplines that require familiarity with Egypt. Awards are generally limited to fields in the humanities, fine arts, and humanistic social sciences. Fellows must devote full time to their research and may not accept outside teaching assignments or employment without the written consent of program officers.

Since the Egyptian government requires all foreign scholars to be affiliated with an Egyptian scholar while conducting research in Egypt, ARCE has established an Egyptian scholars affiliation program, currently chaired by the ARCE Director. Fellows will be matched with an appropriate Egyptian scholar.

For further information: http://www.arce.org/fellowships/funded_fellowships.html

National Research Competition: Research Grants

National Council for Eurasian and East European Research (NCEEER)

Due date: February 15, 2008

The National Council for Eurasian and East European Research (NCEEER) was created in 1978 to develop and sustain long-term, high-quality programs of postdoctoral research in the social, political, economic, environmental, and historical development of Russia, Eurasia, and Southeast Europe. From broad, cross-cultural analyses to more focused studies of particular problems, NCEEER supports research projects that facilitate a mutually beneficial exchange of information between scholars and policy-makers.

Research Grants support research projects conducted by individual U.S.-based scholars.

Please note that research on the following countries will not be supported: Bulgaria, Croatia, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, Slovakia, and Slovenia.

For further information: <http://www.nceeer.org/Programs/programs.html>

MEDICINE & LIFE SCIENCES

See also opportunities listed under MULTIPLE DISCIPLINES

AACR Funding Opportunity

American Association for Cancer Research

Deadline: December 3, 2007

The AACR is now accepting applications for our fall Grants and Fellowships.

2008 AACR Fellowships

Open to postdoctoral and clinical fellows who are in the 1st, 2nd or 3rd year of their postdoctoral research at the start of the award term. Grants will provide salary support and research expenses.

- AACR-Anna D. Barker Fellowship in Basic Cancer Research
- AACR-Astellas USA Foundation Fellowship in Basic Cancer Research
- AACR-Genentech BioOncology Fellowship for Cancer Research in Angiogenesis
- AACR-PanCAN Fellowship for Pancreatic Cancer Research
- AACR-Prevent Cancer Foundation-AstraZeneca Fellowship for Translational Lung Cancer Research

2008 Fellows Grants

Open to postdoctoral or clinical fellows who are in the 3rd, 4th or 5th year of their postdoctoral work at the start of the award term. Funding will support direct research expenses and salary support.

- AACR-Barletta Foundation Fellows Grant for Translational Pancreatic Cancer Research
- AACR-Colorectal Cancer Coalition Fellows Grant, in memory of Lisa Dubow
- AACR-National Brain Tumor Foundation Fellows Grant, in memory of Bonnie Brooks

2008 AACR Career Development Awards

Open to Junior Faculty, who completed their postdoctoral studies or clinical fellowships between July 2, 2005 and July 1, 2008. Will support direct research and salary support.

- AACR-Aflac, Incorporated Career Development Award for Pediatric Cancer Research
- AACR-Genentech BioOncology Career Development Award for Cancer Research on the HER Family Pathway
- AACR-PanCAN Career Development Awards for Pancreatic Cancer Research
- AACR-Barletta Foundation Career Development Award for Translational Cancer Research

2008 AACR-Gertrude B. Elion Cancer Research Award

Open to junior faculty at the level of assistant professor. Funding is available to support salary, laboratory expenses and limited domestic travel.

For more information: <http://www.aacr.org/home/scientists/research-funding--training-grants/research-funding.aspx>

National Center for Research Resources - STTR/SBIR

Department of Health and Human Services (HHS)

Due date: December 5, 2007

The National Center for Research Resources (NCRR) develops and supports critical research technologies and shared resources that underpin research to maintain and improve the health of our nation's citizens.

Areas of interest include research and development in instrumentation and specialized technologies for biomedical research; research and development in comparative medicine; clinical technology applications; and development of discovery-oriented software for science education.

For further information: <http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-07-036.html>

Mary Hendrickson-Johnson Melanoma Professorship

The American Cancer Society

Deadline: December 15, 2007

Because of the continued burden of this cancer and the need for additional research, the American Cancer Society 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 from distinguished investigators in the area of melanoma research, including research in the areas of etiology, genetics, pathogenesis, diagnosis or treatment of melanoma, are requested.

Candidates must be American citizens or permanent residents with at least 10 years of experience beyond receipt of their terminal degree and within 15 years of their appointment as a full professor. Department chairs or individuals with equivalent administrative positions, and individuals working for government agencies or for-profit organizations are not eligible. The amount of the award is \$80,000 per year for five years and may be renewed for an additional five years. Only one award will be made. The awardee must be willing to be a spokesperson on selected occasions for the American Cancer Society and for cancer research.

Interested individuals must submit their curriculum vitae with a complete bibliography and a letter of intent that briefly describes their seminal contributions to melanoma research.

For more information: www.cancer.org/research

Small Grants for Behavioral Research in Cancer Control (R03)

Department of Health and Human Services (HHS)

Due date: December 20, 2007

The objective of the National Cancer Institute (NCI) Small Grants Program for Behavioral Research in Cancer Control is to provide support for new investigators or established scientists refocusing their research interests to behavioral research in cancer control. The award is designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of research expertise in behavioral cancer control research. The award provides support for pilot or feasibility studies projects, development and testing of new methodologies, development and testing of new research technology, secondary analysis of existing data, self-contained research projects, or innovative studies that provide a basis for more extended research.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PAR-06-458.html>

Research Awards

American Diabetes Association (ADA)

Due date: January 15, 2008

The American Diabetes Association's (ADA's) Research Awards provide grant support to new and established investigators. Applications will be considered in any area that is relevant to the etiology or pathophysiology of diabetes and its complications.

For further information: <http://www.diabetes.org/diabetes-research/research-grant-application-forms/nationwide-research-awards.jsp>

Call for Proposals on Trichotillomania

Trichotillomania Learning Center, Inc. (TLC)

Due date: January 18, 2008

The Trichotillomania Learning Center, Inc., a national nonprofit organization, is inviting proposals for research in trichotillomania and related disorders such as skin-picking for 2007.

For further information: http://www.trich.org/research/call_for_proposals.asp

Translational Research for the Prevention and Control of Diabetes and Obesity (R18)

Department of Health and Human Services (HHS)

Due date: January 25, 2008

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Office of Behavioral and Social Sciences Research (OBSSR), and National Institute of Nursing Research (NINR) are soliciting proposals designed to foster the development of cost effective and sustainable translational research studies to prevent and treat obesity and diabetes. The

interventions designed should have the potential to be disseminated to clinical practice including individuals or communities at risk.

It is not the intent of this program to support the development of initial efficacy trials; rather, it is for the translation of interventions that have previously been shown to be efficacious in the research setting. Proposed studies must address issues of sustainability, cost effectiveness and dissemination. Interventions should be as close to cost neutral as possible. Studies addressing minority populations at disproportionate risk for obesity, diabetes and diabetes complications are encouraged. Proposals focused on minorities and other high risk populations disproportionately affected by diabetes and obesity are encouraged. These proposals should focus on novel approaches to health care delivery and diabetes prevention. Proposals in which the main focus is on development and validation of culturally appropriate materials are not considered responsive.

Relevant topics include but are not limited to:

- strategies to enhance glycemic control and reduce risk factors for the development of the complications of type 1 or type 2 diabetes such as blood pressure and lipids,
- strategies to promote the adoption of healthy lifestyles which will reduce obesity and diabetes,
- strategies for less burdensome and more cost effective methods to identify those with or at risk of pre-diabetes and/or type 2 diabetes,
- studies that test interventions to enhance long-term maintenance of weight loss and prevention of weight regain after weight loss,
- studies to test approaches for cost effective delivery of diabetes education and self-management instruction for improvement of glycemia,
- studies that test interventions to treat childhood and adolescent overweight in primary care or community settings,
- strategies to overcome health care system barriers that reduce the efficiency or effectiveness of patient/provider interaction and health outcomes,
- strategies to promote the adoption of healthy lifestyles in women with or at risk for the development of GDM, and
- studies of interventions in work place settings or managed care organizations.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-06-532.html>

PHYSICAL SCIENCES & MATHEMATICS

See also opportunities listed under MULTIPLE DISCIPLINES

Earth Sciences Research at the National Science Foundation (EAR) - Tectonics (TE) - NSF 06-544

National Science Foundation (NSF)

Due date: December 1, 2007

The Division of Earth Sciences (EAR) supports research and education related to Earth's terrestrial regions, interior, and freshwater systems. Projects may employ any combination of field, laboratory, and computational studies with observational, theoretical, or experimental approaches. Support is available for research and research infrastructure through grants,

contracts, and cooperative agreements awarded in response to investigator-initiated proposals from U.S. universities and other eligible institutions. Human resource development and education are expected to be an integral part of most research proposals, but are also eligible for direct support. Multidisciplinary work is strongly encouraged. Projects involving disciplines outside the earth sciences will be recommended for joint support with other programs within the National Science Foundation (NSF). EAR will consider the co-funding of projects with other agencies and supports international work and collaborations.

The Tectonics (TE) program supports field, laboratory, and theoretical investigations aimed at understanding continental lithosphere deformation processes and how these processes have modified the lithosphere through geologic time. Because understanding such large-scale phenomena requires a variety of disciplines, TE supports integrated research involving structural geology, petrology, geochronology, sedimentology, stratigraphy, geomorphology, rock mechanics, paleomagnetism, geodesy, and other geophysical techniques. Proposals to elucidate the processes that act on the lithosphere at various time-scales, either at depth or the surface, are encouraged.

For further information: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06544

Earth Sciences Research at the National Science Foundation (EAR) - Petrology and Geochemistry (CH) - NSF 06-543

National Science Foundation (NSF)

Due date: December 1, 2007

The Division of Earth Sciences (EAR) supports research and education related to Earth's terrestrial regions, interior, and freshwater systems. Projects may employ any combination of field, laboratory, and computational studies with observational, theoretical, or experimental approaches. Support is available for research and research infrastructure through grants, contracts, and cooperative agreements awarded in response to investigator-initiated proposals from U.S. universities and other eligible institutions. Human resource development and education are expected to be an integral part of most research proposals, but are also eligible for direct support. Multidisciplinary work is strongly encouraged. Projects involving disciplines outside the earth sciences will be recommended for joint support with other programs within the National Science Foundation (NSF). EAR will consider the co-funding of projects with other agencies and supports international work and collaborations.

The Petrology and Geochemistry (CH) program supports basic research on earth materials to explore the nature, origin, and evolution of the Earth's crust, mantle, and core. The program generally focuses on the petrology and geochemistry of igneous and metamorphic processes. Topics include major and trace element geochemistry; stable and radiogenic isotope geochemistry and geochronology; experimental petrology, thermodynamic modeling, and chemical aspects of mineral physics; mineralogy and crystallography; ore deposit petrogenesis; volcanology, including physical volcanology; and analytical method development. Proposals to study extraterrestrial materials will be considered if applicable to understanding Earth evolution.

For further information: <http://www.nsf.gov/pubs/2006/nsf06543/nsf06543.htm>

Biology of Weedy and Invasive Species in Agroecosystems

United States Department of Agriculture (USDA)

Due date: December 6, 2007

It has been estimated that approximately 50,000 species of plants and animals have been introduced into the United States resulting in more than \$100 billion in losses and damage each year. Invasive species threaten biodiversity, habitat quality, and ecosystem function. It is estimated that invasive species have contributed to the decline of 42 percent of the endangered and threatened species in the United States. The goal of the program is to provide ecological and economically rational strategies for management, control, or elimination of weedy or invasive species.

For further information: <http://www.csrees.usda.gov/fo/weedyinvasivespeciesnri.cfm>

Computational Mathematics

National Science Foundation (NSF)

Due date: December 6, 2007

The Computational Mathematics 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 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&org=DMS

North American Bat Conservation Partnership (NABCP) Conservation Fund

Bat Conservation International, Inc. (BCI)

Due date: December 15, 2007

Bat Conservation International's (BCI's) North American Bat Conservation Partnership (NABCP) Conservation Fund is available to support projects that most effectively help North American bats. Each proposal is ranked in the following eight areas:

1. Support of the priorities of the North American Bat Conservation Plan
2. Project feasibility, based on stated methodology, budget, personnel, and completion schedule
3. Appropriateness of approach to solving the stated problem
4. Impact in protecting large numbers of bats or populations that are especially important to endangered or rapidly declining species
5. Probability that this action will benefit additional fauna or flora beyond bats
6. Project contribution to population recovery, improved management policies, or site protection without ongoing resource commitment

7. Project urgency
8. Amount of cooperation and support from partners and volunteers

For further information: <http://www.batcon.org/bcigrants/projfundintro.asp>

SAFE Container (SAFECON) Program

United States Department of Homeland Security (DHS)

Due date: December 17, 2007 (White papers are strongly encouraged, but not required, prior to submitting Full Proposals.)

The Homeland Security Advanced Research Projects Agency (HSARPA), for its SAFE Container (SAFECON) Program, is seeking proposals for high risk/high payoff development and demonstration of complete systems or subsystems rather than advances in basic sciences. Proposed systems and subsystems need not be composed entirely of newly developed components. Instead, they may be new or existing technologies integrated into existing systems and/or subsystems in unique and innovative ways. Offerors should demonstrate that their efforts are aimed at high-risk/high-payoff technologies that have the potential for making, in the 2-5 year timeframe, revolutionary rather than incremental improvements to homeland security, including emerging threats and operational challenges.

For further information: <http://fedbizopps.cos.com/cgi-bin/getRec?id=20070201a475>

Center for Research at the Interface of the Mathematical and Biological Sciences (CIMBS) - NSF 07-597

National Science Foundation (NSF)

Due date: December 24, 2007

This solicitation requests proposals to establish a center to stimulate research and education at the interface of the mathematical and biological sciences. The center will serve the biological and mathematical communities by providing mechanisms to foster synthetic, collaborative, cross-disciplinary studies. It will play a pivotal role by improving understanding and modeling of biological problems that can be gained only by using approaches of mathematical, statistical and computational biology. The Center also will play a critical role in addressing national needs, including the area of plant and animal infectious disease modeling, and provide knowledge that will be useful to policy makers, government agencies, and society.

Participating organizations are the National Science Foundation Directorate for Biological Sciences Emerging Frontiers Division; Directorate for Mathematical & Physical Sciences Division of Mathematical Sciences and Office of Multidisciplinary Activities; the U.S. Department of Homeland Security (DHS); and the U.S. Dept. of Agriculture (USDA).

For further information: <http://www.nsf.gov/pubs/2007/nsf07597/nsf07597.htm>

Ecosystem Science

National Science Foundation (NSF)

Due date: January 9, 2008

The Division of Environmental Biology (DEB) supports fundamental research on the origins, functions, relationships, interactions, and evolutionary history of populations, species, communities, and ecosystems. Scientific emphases include biodiversity, molecular genetic and genomic evolution, mesoscale ecology, conservation biology, global change, and restoration ecology.

The Ecosystem Science Cluster supports research on natural, managed, and disturbed ecosystems, including those in terrestrial, freshwater, and wetland (including salt marsh) environments. Descriptive and manipulative approaches in field, mesocosm, and laboratory settings are supported, with the expectation that the bulk of the research is question- or hypothesis-driven. Proposals are encouraged, but not necessarily required to incorporate new or existing quantitative or conceptual models for the purpose of integration or synthesis. The Ecosystem Science Cluster funds research in area od ecosystem studies.

The Ecosystem Studies focus area supports investigations of whole-system ecological processes and relationships in ecosystems across a diversity of spatial and temporal (including paleo) scales. Proposals may focus on areas such as biogeochemistry; decomposition of organic matter; belowground nutrient cycling and energy flow; primary productivity; radiatively active gas flux; element budgets on watershed, regional, continental, or global scales; relationships between diversity and ecosystem function; ecosystem services; and landscape dynamics. Proposals will be considered that focus on advancing ecosystem science through either the pursuit of new theoretical paradigms or novel modeling efforts. Proposals that, in whole or in part, strive to develop new techniques can be supported when a compelling argument exists that there is the potential for a major advance in ecosystem research.

Inter- and multidisciplinary proposals that fall across traditional programmatic boundaries are welcomed and encouraged. Proposals may focus on the cycling of non-nutrient elements, but proposals that are ecotoxicological in orientation will not be considered. Ecosystem-oriented proposals that focus on coastal marine or deep ocean habitats are reviewed by the Biological Oceanography Program in the Division of Ocean Sciences.

For further information:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12822&org=NSF&from=fund

Research Grants

Whitehall Foundation, Inc. Grant Programs

Due date: January 15, 2008

The Whitehall Foundation, through its program of grants and grants-in-aid, assists scholarly research in the life sciences. It is the foundation's policy to assist those dynamic areas of basic biological research that are not heavily supported by federal agencies or other foundations with

specialized missions. In order to respond to the changing environment, the Whitehall Foundation periodically reassesses the need for financial support by the various fields of biological research.

The foundation is currently interested in basic research in neurobiology, defined as follows: Invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of behavior.

The foundation does not support research focused primarily on disease(s) unless it will also provide insights into normal functioning.

For further information: <http://www.whitehall.org/grants/>

SOCIAL SCIENCES

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

Perception, Action, and Cognition

National Science Foundation (NSF)

Due date: January 15, 2008

The Perception, Action, and Cognition 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.

For further information: <http://www.nsf.gov/pubs/2003/pd037252/pd037252.html>

Cognitive Neuroscience - NSF 06-557

National Science Foundation (NSF)

Due date: January 14, 2008

The Cognitive Neuroscience program emphasis 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 evolutionary time.

Funding opportunities available under this program include individual investigator research projects, workshops, and doctoral dissertation improvement grants.

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

Cultural Anthropology Grants

National Science Foundation (NSF)

Due date: January 15, 2008

The Cultural Anthropology Program promotes basic scientific research on the causes and consequences of human social and cultural variation. The program solicits research proposals of theoretical importance in all substantive and theoretical subfields within the discipline of cultural anthropology.

For further information:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5388&org=BCS&from=home

Methodology, Measurement, and Statistics (MMS) - NSF 06-571

National Science Foundation (NSF)

Due date: January 16, 2008

For Mid-career Research Fellowship proposals, any qualified researcher may submit a proposal through normal institutional channels at either the home or host organization. To be qualified, the researcher must be employed at a U.S. organization and must have earned a Ph.D. or equivalent degree in the social, behavioral, economic, or statistical sciences. Although applications may be submitted from researchers at any level beyond the Ph.D., NSF especially encourages the submission of proposals from senior (post-tenure) researchers. An applicant may receive only one mid-career fellowship award under this program or its successors.

For Doctoral Dissertation Research proposals, the proposal must be submitted by a U.S. university on behalf of the dissertation advisor and graduate student who is at the point of initiating or already conducting dissertation research. The advisor serves as the principal investigator and the student as the co-principal investigator. The student must be enrolled at a U.S. institution, but need not be a U.S. citizen.

Applications may be submitted by universities and colleges; nonprofit and nonacademic organizations; for-profit organizations; and state and local governments.

Scientists, engineers, or educators in the United States and U.S. citizens may be eligible for support, provided that the individual is not employed by, or affiliated with, an organization.

NSF rarely provides support to foreign organizations. NSF will consider proposals for cooperative projects involving U.S. and foreign organizations, provided support is requested only for the U.S. portion of the collaborative effort.

NSF does not normally support research or education activities by scientists, engineers, or educators employed by federal agencies or Federally Funded Research and Development Centers (FFRDCs).

For further information:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5421&org=NSF&sel_org=NSF&from=fund

MULTIPLE DISCIPLINES

Bioengineering Nanotechnology Initiative - (STTR/SBIR)

Department of Health and Human Services (HHS)

Due date: December 5, 2007

This Funding Opportunity Announcement (FOA), issued as an initiative of the trans-NIH Bioengineering Consortium (BECON) on behalf of the participating NIH Institutes and Centers, invites grant applications for Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) projects on nanotechnologies useful to biomedicine.

Nanotechnology is defined as the creation of functional materials, devices and systems through control of matter at the scale of 1 to 100 nanometers, and the exploitation of novel properties and phenomena at the same scale. Nanotechnology is emerging as a field critical for enabling essential breakthroughs that may have tremendous potential for affecting biomedicine.

Moreover, nanotechnologies developed in the next several years may well form the foundation of significant commercial platforms that shift the paradigms of clinical applications.

For further information: <http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-07-036.html>

Foundations of Computing Processes and Artifacts (CPA) - NSF 07-587

National Science Foundation (NSF)

Due date: December 7, 2007

The Foundations of Computing Processes and Artifacts (CPA) cluster supports basic research and education projects to advance discovery, learning, and application of scientific and engineering knowledge pertaining to the processes and artifacts for building computing systems.

Computing processes and artifacts range from formalisms, methods, models, algorithms and theories to languages, architectures, technology components, and a variety of physical manifestations of computing system software and hardware. Proposals submitted in response to this solicitation should describe transformative research to advance at a fundamental level the design, verification, evaluation, utilization, and understanding of computing systems to meet the future computational needs of our society.

Research areas of interest for the CPA cluster include the following: topics concerning the

foundations of software and software engineering including analysis and testing of software, components and composition, formal methods, verification and synthesis, and programming language semantics, design, and implementation; software/hardware systems and techniques for reliable and high performance computing including parallel compilers, programming models, and run-time support for resource allocation and scheduling; computer system architecture spanning memory and I/O subsystems, interconnection networks, on-chip networks, processor microarchitecture, reconfigurable and application-specific architectures; multicore, multithreaded, and systems-on-a-chip; hardware and software tools for design, simulation, benchmarking, performance measurement and tuning, including performance metrics and evaluation tools; VLSI electronic design and pertinent analysis, synthesis and simulation algorithms; architecture and design for mixed media or future media (e.g., MEMs and nanotechnology); computer graphics and visualization topics such as photorealistic and non-photorealistic rendering of geometry, lighting and materials, mathematical modeling, physically-based graphics, scientific and information visualization, graphics and display hardware, computational photography, and mixed reality.

There are three categories of proposals described in this solicitation:

1. Single Investigator or Small Group projects
2. Team projects
3. Major Team projects

For further information: <http://www.nsf.gov/pubs/2007/nsf07587/nsf07587.htm>

Department of Commerce Internship for Postsecondary Students

Oak Ridge Associated Universities (ORAU); Oak Ridge Institute for Science and Education (ORISE); Graduate and Undergraduate Student Opportunities

Deadline: December 31, 2007; January 15, 2008; July 30, 2008

Oak Ridge Associated Universities (ORAU) is recruiting undergraduate and graduate students for Department of Commerce (DOC) internships in the Washington, District of Columbia metropolitan area and in field sites throughout the country. This program is designed to provide experience to college students with majors in computer sciences, engineering, life sciences, physical sciences, or related business disciplines. This program provides opportunities to participate in hands-on education and training related to the DOC mission.

For more information: <http://see.ornl.gov/ProgramDescription.aspx?Program=10038>

Sofja Kovalevskaja Award

Alexander von Humboldt Foundation

Deadline: January 4, 2007

The Alexander von Humboldt Foundation's Sofja Kovalevskaja Award, which is funded by the Federal Ministry of Education and Research, is granted in recognition of the outstanding academic achievements of exceptionally promising junior researchers from abroad and enables them to establish their own groups of junior researchers at research establishments in Germany.

Submit an application if you are a successful top-rank junior researcher from abroad, only completed your doctorate with distinction in the last six years, and have published work in prestigious international journals or publishing houses. The Sofja Kovalevskaja Award allows you to spend five years building up working groups and working on a high-profile, innovative research project of your own choice at a research institution of your own choice in Germany.

Scientists and scholars from all disciplines may apply to the Alexander von Humboldt Foundation directly by 4 January 2008. The Humboldt Foundation will be able to grant up to eight Sofja Kovalevskaja Awards in 2008. The award is valued at 1.65 million EUR.

For more information: <http://www.humboldt-foundation.de/en/programme/preise/kova.htm>