

Funding Opportunities Bulletin

December 2008

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

Marketing and Business Development Internship

Henninger Media Services

Deadline: January 5, 2009; May 15, 2009

Henninger Media Services seeks a Marketing and Business Development Intern. This position will be filled by a creative, motivated, willing and energetic student from a variety of majors who lends their time (a minimum of 16 hours per week) and effort in exchange for an engaging, fulfilling, educational, and rewarding experience.

For further information: <http://www.henninger.com/jobs/index.nclk#internships>

Assets for Independence Demonstration Program

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

Deadline: January 15, 2009; March 25, 2009

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>

Retirement Economics - (R21)

Department of Health and Human Services (HHS)

Deadline: February 16, 2009

The National Institute on Aging (NIA) invites applications for research on retirement economics. The research objectives of this program announcement (PA) include, but are not limited to,

- the determinants of retirement behavior;
- the variation in work patterns in later life;
- the evolution of health and economic circumstances of individuals through retirement and into later life;
- time use and life satisfaction before and during retirement;
- the implications of retirement trends;
- retirement expectations;
- international comparisons of retirement; and
- the development of innovative retirement modeling techniques.

For further information: <http://grants.nih.gov/grants/guide/pa-files/PA-06-236.html>

EDUCATION

See also opportunities listed under MULTIPLE DISCIPLINES

AERA-ETS Fellowship Program in Measurement

American Educational Research Association (AERA)

Deadline: December 15, 2008

This fellowship is designed to provide learning opportunities and practical experience to recent doctoral degree recipients and to early career research scientists in areas such as educational measurement, assessment design, psychometrics, statistical analyses, large-scale evaluations, and other studies directed toward explaining student progress and achievement. A primary aim of this fellowship is to increase the involvement of women and underrepresented minority professionals in measurement, psychometrics, assessment, and related fields.

This rotational research position will take place at Educational Testing Service's (ETS') facilities in Princeton, NJ, where the fellows will acquire experience in a stimulating environment that encourages excellence in research, teamwork and collaboration, and evaluation. Fellows will be assigned to various large-scale assessment programs and engage in operations that are in line with their interests and ETS' research needs. Through the fellowship program, fellows will

receive valuable training and methodological experience in the fields of measurement, psychometrics, and assessment, which will prepare them for productive research careers in a range of employment contexts. Fellows will work with an experienced researcher as a mentor and will participate in structured professional development activities provided by AERA and ETS.

For further information: <http://www.aera.net/fellowships/?id=702>

U.S.-Brazil Higher Education Consortia Program - 84.116M

United States Department of Education (ED); Office of Postsecondary Education (OPE); Fund for the Improvement of Postsecondary Education (FIPSE)

Deadline: December 18, 2008

The purpose of this program is to provide grants or enter into cooperative agreements to improve postsecondary education opportunities by focusing on problem areas in postsecondary education or approaches to improve postsecondary education. The program, jointly administered by the Fund for the Improvement of Postsecondary Education (FIPSE) and the Brazilian Ministry of Education, provides grants for up to four years to consortia of at least two academic institutions each from Brazil and the United States. The program fosters the exchange of students and faculty within the context of bilateral curricular development. The program supports projects that develop organizational frameworks for international student mobility between the United States and Brazil.

Under this competition, the department is particularly interested in applications that address the following priorities. For FY 2009, these priorities are invitational priorities. The first is Invitational Priority One: Proposals designed to support the formation of educational consortia of United States (U.S.) and Brazilian institutions to support cooperation in the coordination of curricula, the exchange of students, and the opening of educational opportunities between the U.S. and Brazil. The invitational priority is issued in cooperation with Brazil. These awards support only the participation of U.S. institutions and students in these consortia.

Brazilian institutions participating in any consortium proposal responding to the invitational priority may apply to the Coordination of Improvement of Personnel of Superior Level (CAPES), Brazilian Ministry of Education, for additional funding under a separate but parallel Brazilian competition.

The second is Invitational Priority Two: Projects that support exchanges between Brazilian universities and U.S. minority-serving institutions in order to increase the participation of underrepresented minorities in the program.

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

Unsolicited Grant Opportunities

United States Department of Education (ED), Institute of Education Sciences (IES)

Deadline: February 27, 2009

The Institute of Education Sciences (IES) announces its interest in considering unsolicited applications for research, evaluation, statistics, and dissemination projects that would make significant contributions to the mission of the institute. The institute's mission is to conduct and support rigorous education statistics, research, and evaluation in order to provide reliable information about the condition of education, education practices that improve academic achievement, and the effectiveness of federal and other education programs.

Unsolicited applications are defined as those that are not eligible for funding under the institute's current grant competitions. Among the kinds of unsolicited projects the institute could consider are proposals to conduct innovative research in areas that fall outside the institute's current research priorities (the current research priorities are covered by the institute's regular grant competitions, and are described on the IES website). The institute could also consider proposals that focus on building the capacity of investigators to conduct rigorous research, or of policy-makers to utilize research evidence in decision-making.

In contrast, the institute could not consider an unsolicited application to conduct research on the effectiveness of a mentoring program for teachers because this content was solicited in the institute's competitions for Teacher Quality Research Grants. Potential applicants should be aware that the institute does not provide funds to support program delivery or the provision of services.

For further information: <http://ies.ed.gov/funding/unsolicited.asp>

ENGINEERING & COMPUTER SCIENCE

See also opportunities listed under MULTIPLE DISCIPLINES

Pan American Advanced Studies Institutes (PASI) Program - NSF 03-506

National Science Foundation (NSF)

Deadline: January 15, 2009

The Pan American Advanced Study Institutes (PASI) Program is a jointly supported initiative between the Department of Energy (DOE) and the National Science Foundation (NSF). Pan American Advanced Studies Institutes are short courses of two to four weeks' duration, involving lectures, demonstrations, research seminars, and discussion at the advanced graduate and postdoctoral level. PASIs aim to disseminate advanced scientific and engineering knowledge and stimulate training and cooperation among researchers of the Americas in the mathematical, physical, and biological sciences, and in engineering fields. Whenever feasible, an interdisciplinary approach is recommended.

For further information: <http://www.nsf.gov/pubs/2003/nsf03506/nsf03506.htm>

Graduate Student Researchers Program (GSRP) – ARMD

National Aeronautics and Space Administration (NASA)

Deadline: February 1, 2009

The NASA Graduate Student Researchers Program (GSRP) awards fellowships for graduate study leading to masters or doctoral degrees in the fields of science, mathematics, and engineering related to NASA research and development. This twelve month award includes a required internship at the NASA Center affiliated with the NASA sponsored research.

The mission of the Aeronautics Research Mission Directorate (ARMD) is to pioneer the identification, development, verification, transfer, application, and commercialization of high-payoff aeronautics and space transportation technologies. It is responsible for guiding and managing NASA's aeronautics research, and defining the investments that NASA makes on behalf of the Nation. These investments, by definition, are for long-term high-risk undertakings that are beyond the scope, capacities, or risk limits of others to perform. The ARMD focuses on research, technology, and operation of advanced aeronautics applications and technologies to advance the exploration agenda.

Eligibility: An applicant must be sponsored by a faculty advisor or his or her graduate department chair. All applicants must be full-time students enrolled in a United States college or university. Students who apply prior to acceptance in graduate school must submit a list of prospective schools and if selected must provide proof of acceptance prior to the award.

For further information: <http://fellowships.hq.nasa.gov/gsrp/nav/>

Broadening Participation Research Initiation Grants in Engineering (BRIGE)-NSF 08-606

National Science Foundation (NSF)

Deadline: February 13, 2009

The NSF's Directorate for Engineering (ENG) offers a research initiation grant funding opportunity with the goal of broadening participation to all engineers including members from groups underrepresented in the engineering disciplines. These grants are intended to increase the diversity of researchers in engineering disciplines to initiate research programs early in their careers, including those from underrepresented groups, engineers at minority serving institutions, and persons with disabilities.

By providing these funding opportunities, ENG intends to further broaden participation of engineering researchers who share NSF's commitment to diversity in the following ways:

- * Expand the population of role models who will interact with an increasingly diverse student population, the workforce of the future
- * Increase the number of engineering researchers at minority serving institutions actively and competitively engaged in research as independent investigators, thereby creating new research opportunities for students from underrepresented groups
- * Fund engineering research projects that use innovative ways to attract and retain members of underrepresented groups to careers in engineering

The following NSF Directorates are participating: Directorate for Engineering; Electrical, Communications and Cyber Systems; Division of Chemical, Bioengineering, Environmental, and Transport Systems; Civil, Mechanical and Manufacturing Innovation; Engineering Education and Centers; Industrial Innovation and Partnerships.

For further information:

http://www.nsf.gov/pubs/2008/nsf08606/nsf08606.htm?govDel=USNSF_25

Nano and Bio Mechanics (NBM)

National Science Foundation (NSF), Directorate for Engineering (ENG)

Deadline: February 15, 2009

The NBM program supports fundamental research in biomechanics and nanomechanics. Research on biomechanics focuses on the mechanical properties and behavior of biological materials and structures, including cells, tissue, muscles, bones, and prosthetic implants. Research on nanomechanics focuses on the unique properties of nano-scale particles and microstructural features and their effects on the macroscopic mechanics and properties of materials, surfaces, and structures that contain them.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13523

Structural Materials and Mechanics (SMM)

National Science Foundation (NSF)

Deadline: February 15, 2009

The SMM program supports fundamental research on the behavior of civil infrastructure materials and the mechanics of structural components in the built environment. Of particular interest is research on structural components consisting of natural and synthetic materials, their response to mechanical, hydrothermal, and time-dependent loads, and their impact on life-cycle performance and sustainable development of the civil infrastructure.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13357

FINE ARTS

Artist Grants

Puffin Foundation Ltd.

Deadline: December 30, 2008

The Puffin Foundation Ltd. continues to make grants that encourage emerging artists in the fields of art, music, theater, dance, photography, and literature whose works due to their genre or social philosophy might have difficulty being aired. The foundation does not have the means to fund

large film or documentary proposals, grants for travel, continuing education, or the writing or publishing of books. Grant awards can only be awarded to permanent residents and citizens of the United States. U.S. citizens whose projects encompass work in other countries are still eligible to apply.

For further information: <http://www.puffinfoundation.org/grants/prospectiveapplicant.html>

Multi-Arts Production (MAP) Fund

Creative Capital Foundation

Deadline: January 20, 2009

The Multi-Arts (MAP) Production Fund supports original, new work in all disciplines and traditions of the live performing arts. The goal of the MAP fund is to assist artists who are exploring and challenging the dynamics of live performance within our changing society, thus reflecting our culture's innovation and growing diversity. In keeping with the mandate of its founding organization, the Rockefeller Foundation, MAP seeks especially to support work that brings insight and vibrant critique to the issue of cultural difference, be that in class, gender, generation, ethnicity, or tradition. In contrast to the preservation or examination of existing repertoire, MAP supports those creating the art of our own time.

The MAP Fund is committed to working in partnership with the artists whom we fund, providing professional development assistance and multi-faceted financial aid throughout the life of a project. For this reason, projects that apply for MAP support early in their development often benefit most from the foundation's support.

For further information: <http://www.mapfund.org/apply.html>

NEA/TCG Career Development Program for Designers

Theatre Communications Group (TCG)

Deadline: January 23, 2009

The National Endowment for the Arts (NEA)/Theatre Communications Group (TCG) Career Development Program for Designers provides support to designers who are exceptionally talented and see a career in America's not-for-profit professional theatre. Early-career scenic, costume, lighting, and sound designers benefit from the opportunity to spend six months within a two-year period developing their creative skills and expanding their knowledge of the field. An independent, national selection panel composed of theatre professionals chooses the recipients.

Program activities will include

- travel and research, advanced study such as design workshops and master classes; cross disciplinary forays such as language study or work with a dramaturg or director;
- observing companies or artists of distinction, including various day-to-day activities such as rehearsals, pre-production planning, etc.;

- prolonged residencies, often working as an assistant; and
- developing a new piece with a designated mentor (in the final months of the program)

For further information: http://www.tcg.org/grants/cdpdesign/cdp_des_index.cfm

Arts Program

Japan-United States Friendship Commission (JUSFC)

Deadline: March 1, 2009

Each year leading contemporary and traditional artists from the United States spend six months in Japan as part of this program. They go as seekers, as cultural visionaries, and as living liaisons to the traditional and contemporary cultural life of Japan. The outlook they bring home provides an unparalleled opportunity to promote cultural understanding between the United States and Japan - an understanding that is at the heart of this program.

The commission works cooperatively with the National Endowment for the Arts to sponsor this program. The program provides funds for up to five artists to complete a residency in Japan. Artists are free to live anywhere in Japan to pursue the topics of greatest relevance to their creative process. The International House of Japan provides in-depth orientation materials, expert advice and professional contacts, as well as logistical support during the residency period.

For further information: <http://www.jusfc.gov/currentprogramguidelines.asp?name=arts>

HUMANITIES

See also opportunities listed under MULTIPLE DISCIPLINES

All Roads Seed Grants

National Geographic Society

Deadline: December 15, 2008

The All Roads Seed Grant Program funds film projects by and about indigenous and underrepresented minority-culture filmmakers year-round and from all reaches of the globe. The program seeks filmmakers who bring their lives and communities to light through first-person storytelling. This grant is open to indigenous and under-represented minority culture filmmakers, as well as filmmakers who can demonstrate that they have been designated by indigenous or minority communities to tell their story.

For further information: <http://www.nationalgeographic.com/allroads/seed-grants.html>

Postdoctoral Fellowship in Academic Libraries for Humanists 2009

Council on Library and Information Resources (CLIR)

Deadline: December 30, 2008

The fellowship provides new scholars in the humanities a unique opportunity to develop expertise in the new forms of scholarly research and the information resources that support them, both traditional and digital, that are challenging research institutions. The program offers fellowships to individuals who believe that there are opportunities to develop meaningful linkages between disciplinary scholarship, libraries, archives, and evolving digital tools.

The fellowship program is designed to give the best recent Ph.D. recipients in the humanities a unique opportunity to develop as information professionals and scholars. Fellows are placed at different institutions, each with specific goals and projects for the participants. Fellows are afforded the opportunity to participate in the intellectual life of their institutions by working within the areas of academic librarianship; archives and archive management; special collections; curricular development; teaching and learning support (techno-pedagogy); and digital resource production and use.

In addition, fellows contribute to the development of the CLIR program by participating in an intensive summer seminar; sharing work-in-progress through electronic portfolios; and meeting regularly in virtual seminars with leading figures in the fields of librarianship, the humanities, and other related areas. Previous fellows have gone on to launch careers in libraries, archives, and special collections; consulting and writing; digital resource management; pedagogy support; and university faculty positions.

For further information: <http://www.clir.org/fellowships/postdoc/postdoc.html>

Mid-Level and Large Project Grants to Enhance Teaching and Learning in the Fields of Religion and Theology

Wabash College; Wabash Center for Teaching and Learning in Theology and Religion

Deadline: January 1, 2009; May 1, 2009; September 1, 2009

Project grants provide funds for activities that enhance teaching and learning in the fields of religion and theology. Proposals need to demonstrate that the project improves practical application of teaching and learning methods, creates a supportive environment for teachers, promotes a sustained conversation about pedagogy, or supports research and study of pedagogical issues.

For further information: <http://www.wabashcenter.wabash.edu/grants/types.aspx>

National Leadership Grants for Libraries

Institute of Museum and Library Services (IMLS), Library Grants

Deadline: February 1, 2009

National Leadership Grants (NLG) involve grants, contracts, and cooperative agreements to enhance the quality of library services nationwide and to provide coordination between museums and libraries. Activities may be funded in the following three categories:

1) Advancing Learning Communities supports the development of learning networks and services for people of all ages. Projects will support learning throughout the lifetime, whether that learning takes place in communities, in schools, or in the workplace. IMLS will support programs based on current research in cognitive science; learning and literacy partnerships among early, adult, and community learning providers; development of innovative learning technologies using library (and museum) content; and exploration of new ways to integrate digital and physical services and programs.

2) Building Digital Resources supports the creation, use, and preservation of significant digital resources as well as the development of management tools. IMLS will support projects that preserve and enhance access to valuable library resources; support the development of tools to help libraries (and other collection holders) manage and share digital assets; address the challenges of preserving and archiving digital media; and enhance interoperability, integration, and seamless access to digital assets, particularly projects that are of statewide, regional, thematic, or national scope.

3) Research and Demonstration supports basic and applied research and demonstration projects to test potential solutions to problems in a real-world environment. IMLS will support research to enhance libraries understanding of learning within and across different age groups; improve the effectiveness of library and museum services and their impacts on users; fulfill users' needs and expectations; address knowledge integration, digital preservation, or the integration of physical and digital experiences; and develop new methodologies, standards, or practices.

For further information: <http://www.imls.gov/applicants/grants/nationalLeadership.shtm>

Humanities Program Grants - Major Grants

Kansas Humanities Council (KHC)

Deadline: February 6, 2009; May 9, 2009

Humanities grants are intended to connect people with ideas and to support projects that engage the out-of-school, general public with the humanities. Through the humanities, KHC believes all Kansans can use insights gained from history, the power of shared stories and appreciation of sense of place to bring greater meaning to lives and strengthen the sense of community. Major grants are more extensive projects than mini grants.

For further information: <http://www.kansashumanities.org/grants/humanities/humanities.html>

INTERNATIONAL AREA STUDIES

See also opportunities listed under HUMANITIES and MULTIPLE DISCIPLINES

Predocctoral Fellowship

West African Research Association (WARA)

Deadline: January 2, 2009

Applications are invited from graduate students for the WARA Predocctoral Fellowship, for research in West Africa during the summer of 2009. Awardees will conduct research in order to (1) prepare a doctoral research proposal; or (2) carry out research related to the completion of another terminal degree program (e.g., M.F.A. or M.P.H.).

The West African Research Center (WARC) in Dakar, Senegal may assist with academic contacts and affiliations and recommendations for lodging in the country chosen by the fellow

For further information: http://www.africa.ufl.edu/WARA/fund_predoc.htm

National Research Competition: Research Grants

National Council for Eurasian and East European Research (NCEEER)

Deadline: February 13, 2009

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/NRC/nrc.php>

Title VIII Special Initiatives Fellowship Program

American Councils for International Education - ACTR/ACCELS

Deadline: January 15, 2009

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=

Language-Training Grants to Institutions

American Council of Learned Societies (ACLS); East European Studies Program; Language Grants to Institutions for Summer Courses

Deadline: January 16, 2009

Pending confirmation of funding, ACLS will offer grants to institutions for support of intensive summer programs in Albanian, Bosnian-Croatian-Serbian, Bulgarian, Czech, Estonian, Hungarian, Latvian, Lithuanian, Macedonian, Polish, Romanian, Slovak, or Slovene. Course instruction should be at the beginning or intermediate level, so designed that it covers the basic structures of the language in the summer equivalent of two full academic-year semesters.

For further information: <http://www.acls.org/grants/Default.aspx?id=542>

MEDICINE & LIFE SCIENCES

See also opportunities listed under MULTIPLE DISCIPLINES

Postdoctoral Fellowships for Basic, Translational, and Clinical Research

The American Association for Cancer Research (AACR)

Deadline: December 10, 2008

Research Fellowships

Open to Postdoctoral Fellows and Clinical Research Fellows in the 1st, 2nd, or 3rd year of their postdoctoral training at the start of the fellowship term. AACR Research Fellowships foster basic, translational, clinical and epidemiological research by scientists at the beginning of their careers in the cancer field.

AACR Research Fellowships in Clinical and Translational Cancer Research

Research projects are restricted to clinical or translational cancer research. One fellowship is restricted to translational lung cancer research. Three Fellowships will be awarded this year.

AACR Research Fellowships in Basic Cancer Research

Research projects are restricted to basic cancer research. No restriction on tumor site. Three Fellowships will be awarded this year.

For further information: www.aacr.org/page15195.aspx

Fellows Grants

The American Association for Cancer Research (AACR)

Deadline: December 18, 2008

Open to Clinical or Research Fellows in up to the 5th year of their fellowships at the start of the grant term. Candidates must have started their fellowship no earlier than July 2, 2004 and no later than July 1, 2007.

AACR-FNAB Fellows Grant for Translational Pancreatic Cancer Research

Research projects are restricted to translational cancer research with 100% applicability to pancreatic cancer. Proposed research must have implications for individualized cancer treatment and must make use of human biopsies or samples, such as needle biopsies or circulating cancer cells. *In vivo* primary tumor explants meet these criteria, but xenografts from established cell lines do not. One Fellows Grant will be awarded this year.

AACR-Colorectal Cancer Coalition Fellows Grant, in Memory of Lisa Dubow

Research projects are restricted to translational or clinical cancer research that has the ultimate goal of developing or improving therapeutic intervention for patients with metastatic colorectal cancer. One Fellows Grant will be awarded this year.

For further information: <http://www.aacr.org/home/scientists/research-funding--fellowships/fellows-grants.aspx>

AACR Career Development Awards for Pediatric Cancer Research

The American Association for Cancer Research (AACR)

Deadline: December 18, 2008

Open to junior faculty who complete postdoctoral studies or clinical fellowships between July 2, 2006 and July 1, 2009. Career Development Awards are two-year Awards with a grant of \$50,000 per year.

The AACR-Aflac Incorporated Career Development Award for Pediatric Cancer Research

Research projects must have direct applicability to pediatric cancer. One award will be presented this year.

The AACR Centennial Career Development Award for Childhood Cancer Research

Research projects must have direct applicability to pediatric cancer. One award will be presented this year.

URL for more information: www.aacr.org/page15195.aspx

Brain Tumor Research Awards Program

Goldhirsh Foundation

Deadline: January 13, 2009

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.

Up to three investigators will receive grants of \$600,000 USD (inclusive of 10% indirect costs) over three years at \$200,000 USD per year. The Foundation also makes awards of \$100,000 USD (inclusive of 10% indirect costs) for one-year pilot studies.

The Goldhirsh Foundation is accepting Initial Applications from applicants who meet the following eligibility requirements:

- Have an M.D. and/or Ph.D. degree(s) or equivalent degree.
- Hold a faculty appointment at a nonprofit academic, medical or research institution in the United States, Canada or Israel. The applicant may collaborate with investigators from other institutions and these institutions may include for-profit companies.
- Eligibility is not limited to those investigators currently working in brain tumor research. Investigators from other fields are encouraged to apply with proposals relevant to malignant diffuse glioma tumors.
- Projects must be relevant to tumors within the category of malignant diffuse gliomas, i.e., glioblastomas, diffuse astrocytomas (WHO grade III), oligoastrocytomas (WHO grade III), and oligodendrogliomas (WHO grade III).
- Projects focusing on WHO grade I-II gliomas, non-glial neuroepithelial tumors, meningeal tumors, nerve sheath tumors, CNS lymphomas, germ-cell tumors and tumors of the sella region are beyond the scope of the grant program.
- Projects that characterize genes and gene products of normal cellular development are not eligible, nor are epidemiological studies.

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

Developmental Biology and Regeneration of the Liver (R01)

Department of Health and Human Services (HHS)

Deadline: February 5, 2009

The purpose of this funding opportunity is to invite qualified scientific investigators to submit applications on liver development and regeneration to fully define the molecular and cellular mechanisms underlying these processes in health and disease and to apply these findings to developing improved therapies for liver disease.

Participating institutes are the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Cancer Institute (NCI), and the National Institute of Child Health and Human Development (NICHD).

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-026.html>

Support to Advance Previously Neglected Areas of Medical Research

Feldstein Medical Foundation (FMF)

Deadline: Required Letters of Intent (LOI): rolling basis (review can take up to 60 days)

Full Application: February 15, 2009

The Feldstein Medical Foundation (FMF) is a private foundation, created to promote and advance previously neglected areas of medical research. FMF is particularly focused on funding

- research in previously underfunded areas;
- researchers seeking initial funding or junior investigators (assistant professor level) with history of prior funding;
- new or innovative research; and
- research where FMF grants will have the maximum beneficial impact.

FMF's grants will be made in varied areas of medical research, including, in order of priority:

1. Basic science
2. Translation/implementation studies
3. Early clinical research
4. Education

FMF is based in the New York/New Jersey metropolitan area, thus the Foundation will prioritize funding in this geographic area, however it will make grants on a nationwide basis.

For further information: <http://www.feldsteinmedicalfoundation.org/index.html>

Research on Ethical Issues in Human Subjects Research (R21)

Department of Health and Human Services (HHS)

Deadline: February 16, 2009

This Funding Opportunity Announcement (FOA), issued by the National Institutes of Health (NIH), solicits Exploratory/Developmental Research Grant applications (R21) addressing ethical issues that accompany the conduct of research involving human subjects.

The purpose of this funding opportunity announcement is to solicit research addressing the ethical challenges of human subjects research in order to optimize the protection of human subjects and enhance the ethical conduct of human subjects research. Recent developments in biomedical and behavioral research which include the rapid growth of new interventions and technologies, increasing involvement of foreign populations in human subjects research, and concerns about financial conflicts of interest among researchers, challenge investigators' abilities to interpret and apply the regulations.

Other situations (e.g., research with vulnerable populations, research on stigmatizing diseases or conditions) may present difficulties for identifying strategies, procedures, and/or techniques that will enhance/ensure the ethical involvement of human subjects in research. Thus, research on ethical issues in human subjects research is necessary to enhance interpretation and application of ethical principles and regulatory requirements.

The research design for studies on ethical issues in human subjects research should be appropriate to the nature of the project(s) proposed and the disciplines involved. Given the conceptual and methodological complexity of many of these research questions, interdisciplinary and collaborative projects are encouraged, particularly those involving clinical researchers, ethicists, and behavioral/social scientists.

For further information: <http://grants.nih.gov/grants/guide/pa-files/PA-06-368.html>

AHRQ Grants for Health Services Research Dissertation (R36)

Department of Health and Human Services (HHS)

Deadline: February 17, 2009

The Agency for Healthcare Research and Quality (AHRQ) announces its continued interest in supporting the health services dissertation research small grant program. This program supports research undertaken as part of an academic program to qualify for a doctorate. The AHRQ dissertation award supports dissertation research costs of students in accredited research doctoral programs in the United States (including Puerto Rico, and other U.S. territories or possessions). The dissertation will focus on areas relevant to health services research, with emphasis placed on methodological and research topics that address the mission of AHRQ.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-06-118.html>

PHYSICAL SCIENCES & MATHEMATICS

See also opportunities listed under MULTIPLE DISCIPLINES

Supplemental Call for Proposals for HST Cycle 16 Observations

NASA and The Space Telescope Science Institute (STScI)

Deadline: December 8, 2008

Participation in this program is open to all categories of organizations, both domestic and foreign, including educational institutions, profit and nonprofit organizations, NASA Centers, and other Government agencies. A serious electronic malfunction on HST in late September led to the postponement of Servicing Mission 4 (SM4). HST has been restored to operations, and we anticipate exhausting the pool of both existing Cycle 16 programs and Cycle 17 observations that can be brought forward before SM4 occurs. We are therefore issuing this call for supplementary programs using Wide-Field Planetary Camera 2 (WFPC2), the Advanced Camera for Surveys Solar Blind Channel (ACS/SBC), the Near-Infrared Camera and Multi-Object Spectrometer (NICMOS) and the Fine Guidance Sensors (FGS) to ensure that HST remains fully productive scientifically over this period.

For further information: <http://www.stsci.edu/hst/proposing/apt>

Three-Year Postdoctoral Fellowships in Tropical Biology

Smithsonian Institution (SI); Smithsonian Tropical Research Institute (STRI)

Deadline: January 15, 2009

Three-year Postdoctoral Fellowships in Tropical Biology are available to support research in ecology, evolution and behavior of tropical organisms. The successful candidate is expected to reside in the Republic of Panama and base his/her study at STRI research facilities.

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

Centers for Chemical Innovation Phase I (CCI-I) - NSF 09-503

National Science Foundation (NSF)

Deadline: Required Preliminary Proposal: February 2, 2009

Full Proposal: June 3, 2009

The Division of Chemistry is initiating a fifth round of Phase I competition for its CCI program to nurture innovative approaches to addressing intellectual challenges in basic chemical research and education with the potential for broad societal impact. CCIs will provide the opportunity for especially able and ambitious groups of investigators to share a commitment toward solving a "big problem" in an atmosphere having a high tolerance for risk and within a structure permitting considerable agility. The CCI program is designed to support the formation of centers that can address major, long-term basic chemical research problems that have a high probability of both producing transformative research and leading to innovation. Appropriate research problems are high-risk but potentially high-impact and will attract broad scientific and public interest. Centers

are expected to be agile structures that can respond rapidly to emerging opportunities and make full use of cyberinfrastructure to enhance collaborations. Center teams may include researchers from disciplines other than chemistry and from academia, industry, government laboratories, and international organizations. CCIs are expected to integrate research, education, and outreach and to include a plan to broaden participation to underrepresented groups. Proposals should contain a compelling strategy for achieving demonstrable impact in all of these areas.

The CCI program is a two-phase program. The Phase I review process consists of a preliminary proposal that will be peer reviewed, followed by an invited full proposal to explore development of a Phase I CCI. Phase I CCIs receive significant resources to develop the scientific, educational, innovation, and management aspects of a CCI before requesting Phase II funding. Phase I proposals funded in FY 2009 will seek Phase II funding in FY 2012.

For further information: <http://www.nsf.gov/pubs/2009/nsf09503/nsf09503.htm>

Earth Sciences: Instrumentation and Facilities (EAR/IF) - NSF 07-553

National Science Foundation (NSF)

Deadline: February 11, 2009

The EAR/IF program supports meritorious requests within and across Earth science disciplines. EAR/IF will consider proposals for

- acquisition or upgrade of research equipment that will advance laboratory and field investigations, and student research training opportunities in the Earth sciences;
- development of new instrumentation, analytical techniques, or software that will extend current research and research training capabilities in the Earth sciences;
- support of national or regional multi-user facilities that will make complex and expensive instruments or systems of instruments broadly available to the Earth sciences research and student communities;;
- support of research technicians who will provide for optimal and efficient operation of advanced instrumentation, analytical protocol development, and user training for Earth science research instrumentation; and
- development of cyberinfrastructure for the earth sciences (Geoinformatics) that will enable transformative advances in Earth science research and education through novel application, development or adaptation of information technologies.

Planned research uses of requested instruments must include basic research on solid-Earth and surface-Earth processes. Support is available through grants or cooperative agreements awarded in response to investigator-initiated proposals. Human resource development and education are expected to be an integral part of all proposals submitted to EAR/IF. Proposals requesting equipment, infrastructure or personnel that will serve disciplines outside the Earth sciences may be jointly reviewed with other programs within the NSF. EAR/IF will consider co-funding of projects with other NSF programs.

For further information: <http://www.nsf.gov/pubs/2007/nsf07553/nsf07553.htm>

Interdisciplinary Grants in the Mathematical Sciences (IGMS) - NSF 04-518

National Science Foundation (NSF)

Deadline: February 19, 2009

The objective of the IGMS program is to enable mathematical scientists to undertake research and study in another discipline so as to expand their skills and knowledge in areas other than the mathematical sciences; subsequently apply this knowledge in their research; and enrich the educational experiences and broaden the career options of their students.

Recipients of an IGMS award are expected to spend full time in a nonmathematical science department in an academic institution or an industrial, commercial, or financial organization. The expected outcome is sufficient familiarity with another discipline so as to open opportunities for effective collaboration by the mathematical scientist with researchers in another discipline.

For further information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04518>

Grants

Engineering Information Foundation (EiF)

Deadline: February 28, 2009

The foundation's grant activity supports developmental projects, instructional projects, and training programs in engineering education and research. Fields of interest currently include the availability and use of published information, women in engineering, and information access in developing countries.

For the Availability and Use of Information field of interest, the foundation wishes to fund projects that make it easier for engineers to find and use essential information. Projects may focus on training engineering faculty and students in the most effective use of information systems, researching behavioral factors, dissemination issues, or linguistic concerns related to information use, or engineering informatics.

For the Women in Engineering - Projects Directed by Engineering Educators field of interest, the foundation wishes to encourage women, starting with girls, ninth grade and above, to pursue engineering degrees. Projects may focus on orientation and recruitment of women, or on staying the course after the first year in engineering school. EiF believes that the negative effects of gender-related behavior in the classroom ought to be eliminated.

The Developing Countries field of interest wishes to support and strengthen educational and service center programs that help students and teachers find and use the engineering information they need, from computer and Internet sources or by other means. Projects may focus on bibliographic instruction in engineering schools and libraries, support for acquisition of information systems, or support for Internet connectivity in the developing world.

For further information: <http://www.eifgrants.org/info/apply.html>

Process and Reaction Engineering

National Science Foundation (NSF)

Deadline: March 1, 2009

The program supports fundamental and applied research on

- rates and mechanisms of important classes of catalyzed and uncatalyzed chemical reactions as they relate to the design, production, and application of catalysts, chemical processes, biochemical processes, and specialized materials; chemical and biochemical phenomena occurring at or near solid surfaces and interfaces; electrochemical and photochemical processes of engineering significance or with commercial potential; design and optimization of complex chemical and biochemical processes; dynamic modeling and control of process systems and individual process units; reactive processing of polymers, ceramics, and thin films; and interactions between chemical reactions and transport processes in reactive systems, and the use of this information in the design of complex chemical and biochemical reactors.

The program funds research in chemical and biochemical reaction engineering, process design and control, and reactive polymer processing. Within these three areas, research supported is focused as follows:

1. Chemical Reaction Engineering - The area encompasses the interaction of transport phenomena and kinetics in reactive systems and the use of this knowledge in the design of complex chemical and biochemical reactors. Focus areas include non-traditional reactor systems such as membrane reactors, microreactors, and reactions in supercritical fluids; novel activation techniques such as plasmas, acoustics, and microwaves; and multifunctional systems synthesis such as "smart" molecules, "chemical laboratory on a chip," "chemical factory on a chip" concepts, bioreactor design and bioprocess optimization, and fermentation technology. The development of non-polluting sources of energy such as fuel cells, are also of interest.
2. Process Design and Control - These areas encompass the design and optimization of complex chemical and biochemical processes and the dynamic modeling and control of process systems and individual process units. High priority research topics include simultaneous product and process design, including bioprocesses; increased plant efficiency by algorithms that communicate across design levels and incorporate multiple criteria such as profitability, safety, operability, environmental sustainability, and societal concerns; and new sensor development to measure composition, product properties, morphology, etc. Utilization of the latest in cyberinfrastructure resources including hardware at the tera- and peta-scale is encouraged.
3. Reactive Polymer Processing - Program scope is limited in the polymerization area to research that integrates synthesis (chemical reaction of monomers to form polymer chains or complexes) and processing steps (steps that orient and anneal polymer melts and affect the long range conformations and consequently their properties). Typical projects are in the areas of emulsion and miniemulsion polymerization, reaction injection molding, etc. Program focus is on addressing environmental concerns while producing tailor-made molecules and materials.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13361

SOCIAL SCIENCES

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

Innovation and Organizational Sciences (IOS) - PD 07-5376

National Science Foundation (NSF)

Deadline: February 2, 2009

The IOS program supports scientific research directed at advancing understanding of innovation and organizational phenomena. Levels of analysis may include (but are not limited to) individuals, groups and/or institutional arrangements. Disciplinary perspectives may include (but are not limited to) organization theory, organizational behavior, organizational sociology, social and industrial psychology, public administration, computer and information sciences, complexity sciences, decision and management sciences. Research methods may span a broad variety of qualitative and quantitative methods, including (but not limited to) archival analyses, surveys, simulation studies, experiments, comparative case studies, and network analyses. Research may involve industrial, educational, service, government, not-for-profits, voluntary organizations, or interorganizational arrangements.

IOS-funded research must be grounded in theory and generalizable. It must advance our scientific understanding of innovation and organizations. Scientific inquiries that are relevant to real problems and organizations in generalizable ways are encouraged. Proposals that aim to implement or evaluate innovations or particular organizational changes rather than to advance fundamental, generalizable knowledge about innovation and organizations are not appropriate for IOS.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5378

Reducing Mental Illness Stigma and Discrimination (Collaborative R01)

Department of Health and Human Services (HHS)

Deadline: February 5, 2009

This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), and conceived in collaboration with the Center for Mental Health Services (CMHS), Substance Abuse and Mental Health Services Administration (SAMHSA), continues efforts begun in June 2004 to encourage research to substantially increase knowledge about how to reduce mental illness stigma and discrimination and their consequences. It provides funding for partnerships between consumer or advocate organizations, communities, or state and local agencies with hands-on expertise in developing and implementing stigma reduction programs and strategies; and social, behavioral, or communication scientists with expertise in stigma research design and methodology.

The purpose of these partnerships is to undertake studies to

- assess the effectiveness of existing stigma and discrimination reduction programs and approaches, including media-oriented approaches such as public service announcements, and examine how, why, and for whom existing programs or approaches work;

- provide a better understanding of the impact of varied media (e.g., television, newspapers, magazines, cinema, direct-to-consumer advertising, internet), both positive and negative, on attitudes and beliefs about mental illness, and in perpetuating and changing mental illness stigma and discrimination. Partnerships to further information exchange with public stakeholders and organizations to improve the accuracy of public awareness about effective treatments for mental disorders; and to examine how service delivery organization and mental illness treatment financing (e.g., non-mental health parity, separate behavioral health insurers) impact mental illness stigma and discrimination are also appropriate.

Multi-method studies combining qualitative and quantitative approaches are encouraged. Programs might target the general public or specific demographic groups, for example, older adults, children and adolescents, racial and ethnic minority groups, or rural Americans; or specific stakeholder groups, for example, mental health service providers, law enforcement officers, or employers.

The scope of research falling within the purview of this FOA ranges from full-scale effectiveness studies that are grounded in requisite preliminary research, to small-scale pilot, exploratory, or developmental studies to, for example, develop and test new measures to assess program outcome. A requirement of this FOA is that all applications whether small-scale pilots, exploratory, or developmental studies, must be submitted as linked groups or sets of R01s.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PAR-08-040.html>

Contextual Approaches to Prevention of Unintended Pregnancy (R01)

Department of Health and Human Services (HHS)

Deadline: February 5, 2009

The purpose of this Funding Opportunity Announcement (FOA) is to strengthen and revitalize scientific research on the prevention of unintended pregnancies in the United States. The Eunice Kennedy Shriver NICHD invites R01 research grant applications that will inform interventions addressing the cultural and structural factors that produce high rates of unintended pregnancy across the reproductive age span, especially in low-income populations in the United States. These interventions can operate at a wide range of levels, from clinical interventions to interventions that influence cultural, economic, social, structural, or policy factors contributing to unintended pregnancy.

For further information: <http://grants.nih.gov/grants/guide/pa-files/PA-09-014.html>

Geography and Regional Science Doctoral Dissertation Research Improvement (DDRI) Grants

National Science Foundation (NSF)

Deadline: February 15, 2009

Doctoral dissertation research improvement grants are available from the Geography and Regional Science Program to enable doctoral students to improve the quality of dissertation research. These grants provide funds for items not normally available through the student's university. Additionally, these grants allow doctoral students to undertake significant data-gathering projects and to conduct field research in settings away from their campus that would not otherwise be possible. Proposals are judged on the basis of their scientific merit, including the theoretical importance of the research question and the appropriateness of the proposed data and methodology to be used in addressing the question.

For further information: <http://www.nsf.gov/sbe/bcs/grs/suppdiss.jsp>

Cultural Anthropology Research Experience for Graduates (REG) Supplements

National Science Foundation (NSF)

Deadline: March 1, 2009

To advance the integration of research and education, the Cultural Anthropology program of the National Science Foundation (NSF) invites researchers holding existing NSF awards to request a Research Experience for Graduates (REG) Supplement. This supplemental funding will support the cost of a Cultural Anthropology Ph.D. student's closely mentored but independent, pre-dissertation research experience. The student's research should be his or her own research project; supplements are not intended to support clerical or research assistants to the PI. The purpose of these supplements is to provide Ph.D. students opportunities for independent research while also encouraging PIs to mentor students in cooperative, collaborative activities. Special attention will be paid to the appropriateness and value of the educational experience for the student participants, particularly the independence and theoretical significance of the student's activities and the quality of the supervision.

For further information: <http://www.nsf.gov/pubs/2008/nsf08019/nsf08019.jsp>

MULTIPLE DISCIPLINES

Health, Education, and Human Services Fellowships

American Association for the Advancement of Science (AAAS); Directorate for Science and Policy Programs (SPP); AAAS Science and Technology Policy Fellowship Programs

Deadline: December 15, 2008

The American Association for the Advancement of Science (AAAS) manages and administers Science and Technology Policy Fellowships in six areas: Congressional; Diplomacy; Energy,

Environment, Agriculture, and Natural Resources; Global Stewardship; Health, Education, and Human Services; and National Defense and Global Security. The fellowships provide the opportunity for accomplished scientists and engineers to participate in and contribute to the federal policymaking process while learning firsthand about the intersection of science and policy.

AAAS Health, Education, and Human Services Fellows will focus their experience to support improved programs, policies, planning, and risk analysis for initiatives in human and environmental health, biological threats, food safety, education, and research, and to aid in developing and implementing regulations and providing oversight. Placement opportunities are in the U.S. National Institutes of Health (NIH), the National Science Foundation (NSF), the USDA Food Safety Inspection Service, and the U.S. Department of Health and Human Services.

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

Doctoral Fellowships in Law and Social Science

American Bar Foundation (ABF)

Deadline: January 7, 2009

The purpose of the fellowships is to encourage original and significant research on law, the legal profession, and legal institutions. Doctoral and proposed research must be in the general area of sociolegal studies or in social scientific approaches to law, the legal profession, or legal institutions. The research must address significant issues in the field and show promise of a major contribution to social scientific understanding of law and legal process. Fellowships are held in residence at the ABF. Fellows are expected to participate fully in the academic life of the ABF so that they may develop close collegial ties with other scholars in residence.

For further information:

http://www.americanbarfoundation.org/fellowships/Call_for_Doctoral_Fellows.html

Gates Millennium Scholar Program

Bill and Melinda Gates Foundation

Deadline: January 12, 2009

The Gates Millennium Scholars (GMS), funded by a grant from the Bill and Melinda Gates Foundation, was established in 1999 to provide outstanding African American, American Indian or Alaska Natives, Asian Pacific Islander Americans, and Hispanic American students with an opportunity to complete an undergraduate college education, in all discipline areas and a graduate education for those students pursuing studies in mathematics, science, engineering, education, or library science. The goal of GMS is to promote academic excellence and to provide an opportunity for thousands of outstanding students with significant financial need to reach their fullest potential.

The Bill and Melinda Gates Foundation established the initiative to encourage and support

students to complete college and continue on to earn masters and doctoral degrees in disciplines in which their ethnic and racial groups are currently underrepresented. The GMS award will enable young Americans to attend undergraduate and graduate institutions of their choice and be prepared to assume important roles as leaders in their professions and in their communities. In addition to increasing access to higher education for individuals from groups that have traditionally been denied or discouraged from pursuing this path, GMS also provides opportunities for scholars to prepare for leadership roles in their profession and in their communities. Scholar's academic and leadership skills are developed through participation in a comprehensive leadership development program.

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

NEC Foundation Grants

NEC Foundation of America

Deadline: March 1, 2009

NEC Foundation of America makes cash grants to nonprofit organizations in support of the development, application, and use of technology by and for people with disabilities.

Prior to January 1, 2003, NEC Foundation of America also supported national programs in science and technology education, principally at the secondary level. The foundation no longer accepts science and technology education proposals unless they address the focus on innovative technology for people with disabilities.

For further information: <http://www.necfoundation.org/toapply/toapply.htm>