

Funding Opportunities Bulletin November 2008

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BUSINESS

See also opportunities listed under MULTIPLE DISCIPLINES

Research Grant Program

Equipment Leasing and Finance Foundation

Deadline: Continuous. Proposals may be submitted by the 15th of each month.

The foundation encourages research to expand the body of knowledge about equipment lease financing in the U.S. economy. In addition, the foundation seeks to broaden its constituency by establishing and maintaining mutually beneficial relationships with individuals in the academic community. Honorariums are available to encourage academics in all fields of scholarship to study topics of interest to the foundation and its constituency. Topics of interest to leasing professionals include, but are not limited to, the following issues: strategic management or planning; accounting; financial reporting; tax; legislative or regulatory developments; contracts and documentation; finance; sales and marketing; electronic commerce; credit and collections; software; economics; portfolio or risk management; operations; and benchmarking or best practices. The subject matter must have practical application to professionals in the leasing and finance business.

For further information: <http://www.leasefoundation.org/Work/grants/rfps.htm>

Standard Grants

Marketing Science Institute

Deadline: Continuous. Because MSI operates on a monthly review cycle, proposals may be submitted at any time.

The Marketing Science Institute (MSI) funds high-quality research that deals with topics of importance to member companies. MSI supports research with the potential for application by managers as well as more basic or exploratory work. No one approach or methodology is favored over another as long as the form is appropriate to the objectives of the research. Studies may be conceptual or empirical and may involve combinations of literature reviews, comparative studies, field or laboratory experiments, model building, and theory development. MSI encourages cross-disciplinary work building on theories, research results, and methods from disciplines of relevance to marketing. MSI and its member companies strongly endorse using actual consumers, customers, and executives rather than student subjects in research projects.

For further information: <http://www.msi.org/research/index.cfm?id=48>

E-Team Course and Program Development Grants

Lemelson Foundation; National Collegiate Inventors and Innovators Alliance (NCIIA)

Deadline: December 5, 2008; May 8, 2009

Grants are awarded to institutions for the purpose of strengthening existing curricular programs or building new programs in invention, innovation, and entrepreneurship. Successful grant proposals present creative pedagogical approaches that generate and deploy E-Teams, bringing real-life applications into the classroom setting and beyond.

The NCIIA places a high value on grant proposals that demonstrate concern for the earth and the health and welfare of humans. NCIIA encourages its members to find creative approaches to addressing such issues as poverty, disease, and environmental degradation through affordable design, technologies that solve critical problems and meet basic human needs (such as food, water, shelter, health, safety, and education), and pedagogical approaches that encourage awareness of and interest in these global issues. Grant proposals may focus on introducing these issues to students with a design course, adding socially-focused E-Teams to an existing entrepreneurship course, or developing an entirely original program to engage students in problem-solving endeavors.

For further information: http://www.nciia.org/grants_cp.html

James E. Webb Internship for Minority Graduate Students in Business and Public Administration

Smithsonian Institution (SI)- Office of Research Training and Services

Deadline: February 1, 2009; October 1, 2009

This program was established in honor of the late James. E. Webb, Regent Emeritus and former Administrator of the National Aeronautics and Space Administration (NASA), to promote excellence in the management of nonprofit organizations. These opportunities are intended to increase participation of minority groups who are underrepresented in the management of nonprofit scientific and cultural organizations. Interns are placed in offices, museums, and research institutes throughout the Smithsonian Institution.

For further information: <http://www.si.edu/ofg/intern.htm#iofg>

EDUCATION

See also opportunities listed under MULTIPLE DISCIPLINES

New Century Scholars (NCS) Program

Council for International Exchange of Scholars (CIES)

Deadline: November 15, 2008

The global program annually brings together 25-30 research scholars and professionals from the U.S. and participating countries around the world. Through a series of three plenary seminar meetings and a Fulbright exchange visit, scholars engage in collaborative thinking and multidisciplinary research on a theme of global significance. Scholars engage in multidisciplinary collaboration under the leadership of a distinguished scholar facilitator and work together to seek solutions to issues and concerns that affect all humankind and deserve the attention of researchers, policy makers and practitioners. The 2009 program will focus on the role of higher education in national and global economic development with a specific focus on "The University as Innovation Driver and Knowledge Center."

For further information: http://www.cies.org/NCS/ncs_description.htm

Dissertation Grants Program

American Educational Research Association (AERA)

Deadline: January 7, 2009; March 6, 2009

The program is supported by the National Science Foundation (NSF) and the National Center for Education Statistics (NCES) of the Institute of Education Sciences (IES). The program's goals are (1) to stimulate research on U.S. education policy- and practice-related issues using NCES and NSF data sets; (2) to improve the educational research community's firsthand knowledge of the range of data available at the two agencies and how to use them; and (3) to increase the number of educational researchers using the data sets. The program supports research projects

that are quantitative in nature, include the analysis of existing data from NCES and NSF, and have U.S. education policy relevance.

AERA invites education policy- and practice-related dissertation proposals using NCES, NSF, and other national databases. Grants are available for advanced doctoral students and are intended to support the student while writing the doctoral dissertation. Applications are encouraged from a variety of disciplines, such as but not limited to, education, sociology, economics, psychology, demography, statistics, and psychometrics. Research topics may cover a wide range of policy- or practice-related issues that include but are not limited to science and mathematics education; the supply (pipeline) of students taking mathematics and science courses; teachers and teaching, including supply, quality, and demand; policies and practices related to student achievement and assessment; policies and practices that influence student and parental attitudes; contextual factors (individual, curricular, and school related) in education; educational participation and persistence (kindergarten through career entry); at-risk students; early childhood education; U.S. education in an international context; school finance; the quality of educational institutions; and methodological studies. Researchers must include the analysis of data from at least one NSF or NCES dataset in the project. Additional large-scale nationally representative data sets may be used in conjunction with the obligatory NSF or NCES data set. If international data sets are used, the study must include U.S. education.

For further information: http://www.aera.net/grantsprogram/res_training/diss_grants/DGFly.html

Discovery Research K-12 (DR-K12) - NSF 08-609

National Science Foundation (NSF)-Directorate for Education and Human Resources (EHR)-
Division of Research on Learning in Formal and Informal Settings (DRL)

Deadline: January 8, 2009; January 7, 2010

The Discovery Research K-12 (DR-K12) program seeks to enable significant advances in K-12 student and teacher learning of the STEM disciplines through research about, and development and implementation of, innovative resources, models, and technologies for use by students, teachers, and policy makers. Activities funded under this solicitation begin with a research question or hypothesis about K-12 STEM learning or teaching; develop, adapt, or study innovative resources, models, or technologies; and demonstrate if, how, for whom, and why their implementation affects learning. DR-K12 invites projects that meet a variety of educational needs, from those that address immediate and pressing challenges facing preK-12 STEM education to those that anticipate opportunities for the future. DR-K12 encourages proposals that challenge existing assumptions about learning and teaching within or across STEM fields, envision needs of learners in 10-15 years, and consider new and innovative ways to reach students and teachers. All projects should be informed by current research and broaden the boundaries of schools and disciplines. DR-K12 accepts research and development, exploratory, and synthesis projects, as well as conferences and workshops related to the mission of the DR-K12 program.

For further information:

http://www.nsf.gov/pubs/2008/nsf08609/nsf08609.htm?govDel=USNSF_25

ENGINEERING & COMPUTER SCIENCE

See also opportunities listed under MULTIPLE DISCIPLINES

Doctoral New Investigator (DNI) Grants

American Chemical Society (ACS)-Petroleum Research Fund (PRF)

Deadline: November 21, 2008

The goals of the American Chemical Society (ACS) Petroleum Research Fund (PRF) are (1) the support of fundamental research in the petroleum and energy fields, and (2) development of the next generation of engineers and scientists through support of advanced scientific education. The Doctoral New Investigator (DNI) Grants Program aims to promote the careers of young faculty by supporting research of high scientific caliber, and to enhance the career opportunities of their undergraduate or graduate students (or both), and postdoctoral associates through the research experience. This program replaces the previous PRF Type G grant program. The emphasis of the DNI grants is focused on providing start-up funding for scientists and engineers who are within the first three years of their first academic appointment, those who have limited or no preliminary results for a research project they wish to pursue, with the intention of using the preliminary results obtained to seek continuation funding from other agencies. The DNI grants are to be used to illustrate proof of principle or concept, to test a hypothesis, or to demonstrate feasibility of an approach.

Applicants should note that fundamental research is required as opposed to applied research or methods development. The DNI Grant Program is designed as a source of funds for young investigators who are developing their own independent research projects. The new investigator must demonstrate to the PRF Program Managers, Advisory Board members, and to the scientific or engineering community of reviewers that the project is an original research direction and is independent of their graduate or postgraduate studies.

The DNI Grants Program is seeking investigator-initiated, original research across the spectrum of our mission. Original research is defined as being different from that performed previously by the PI as part of his or her graduate or postdoctoral studies. Excluded from consideration are proposals in which the ideas being presented are a mere extension of research from the PI's graduate or postdoctoral experience. Research projects must be unique. Although a PI may send the same proposal to more than one agency, PRF will not support a project having overlap, or partial overlap, with research funded by another agency.

For further information:

https://portal.acs.org/portal/acs/corg/memberapp? nfpb=true& pageLabel=PP_ARTICLEMAIN &node_id=1251&use_sec=false

Cyber-Enabled Discovery and Innovation (CDI) - NSF 08-604

National Science Foundation (NSF)

Deadline: Preliminary Proposal: December 08, 2008;

Full Proposal: May 20, 2009

Cyber-Enabled Discovery and Innovation (CDI) is NSF's new five-year initiative to create revolutionary science and engineering research outcomes made possible by innovations and advances in computational thinking. Computational thinking is defined comprehensively to encompass computational concepts, methods, models, algorithms, and tools. Applied in challenging science and engineering research and education contexts, computational thinking promises a profound impact on the Nation's ability to generate and apply new knowledge. Collectively, CDI research outcomes are expected to produce paradigm shifts in our understanding of a wide range of science and engineering phenomena and socio-technical innovations that create new wealth and enhance the national quality of life.

CDI seeks ambitious, transformative, multidisciplinary research proposals within or across the following three thematic areas:

- From Data to Knowledge: enhancing human cognition and generating new knowledge from a wealth of heterogeneous digital data;
- Understanding Complexity in Natural, Built, and Social Systems: deriving fundamental insights on systems comprising multiple interacting elements
- Building Virtual Organizations: enhancing discovery and innovation by bringing people and resources together across institutional, geographical and cultural boundaries

The following elements of NSF are participating: Directorate for Biological Sciences, Directorate for Computer and Information Science and Engineering, Directorate for Education and Human Resources, Directorate for Engineering, Directorate for Geosciences, Directorate for Mathematical and Physical Sciences, Directorate for Social, Behavioral and Economic Sciences, Office of Cyberinfrastructure, Office of International Science and Engineering, Office of Polar Programs.

For further information: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08604

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

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

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

Proposers must be affiliated with an engineering department or a department closely related to engineering. Co-investigators are not permitted, but collaborations with other scientists and/or researchers in other universities, industry, and national laboratories are encouraged. Principal investigators must be U.S. citizens or permanent residents.

For further information:

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

Engineering Design and Innovation (EDI)

National Science Foundation (NSF)-Directorate for Engineering (ENG)-Civil, Mechanical and Manufacturing Innovation (CMMI) Division

Deadline: February 15, 2009; October 1, 2009

The EDI program supports research leading to design theory and to tools and methods that enable implementation of the principles of design theory in the practice of design across the full spectrum of engineered products. The program focus is on gaining an understanding of the basic processes and phenomena underlying a holistic, life-cycle view of design. The program funds advances in basic design theory, tools and software to implement design theory, and new design methods that span multiple domains, such as design for the environment and for manufacturability.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13340

Operations Research (OR)

National Science Foundation (NSF)-Directorate for Engineering (ENG)-Civil, Mechanical and Manufacturing Innovation (CMMI) Division

Deadline: February 15, 2009

The OR program supports research leading to advances in the science of models and algorithms that are applicable to the operation and optimization of large-scale systems. Topic areas include advances in the theory of optimization and heuristic approaches to NP-hard optimization problems, simulation and stochastic modeling, and on the development of novel, enterprise-wide models requiring advanced high-end computing.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13341

FINE ARTS

Internships

Art Institute of Chicago

Deadline: Varying- different departments have different deadlines.

Internships are offered by Art Institute of Chicago's many departments throughout the year and enable students to gain first-hand experience in their areas of interest or study. Interns, working under the guidance of curators or department heads, assist in routine departmental work that ranges from special projects and research to clerical support. The following departments are currently offering internship opportunities:

1. American Art Intern
2. Architecture and Design - Curatorial
3. Architecture and Design - Research
4. Deputy Director and Chief Operating Officer Intern
5. Film Center Library Intern
6. Film Center Marketing/Public Affairs
7. Human Resources
8. Museum Education Senior Programs Intern
9. Photography
10. Prints and Drawings
11. Ryerson and Burnham Libraries Archive Practicum
12. Ryerson and Burnham Libraries Book Conservation Intern
13. Ryerson and Burnham Libraries Internship

For further information: <http://www.artic.edu/aic/jobs/interninfo.html>

Artists' Resource for Completion Grants (ARC)

Durfee Foundation

Deadline: November 4, 2008

The Artists' Resource for Completion grants (ARC) provide short-term assistance to individual artists in Los Angeles County who wish to complete work for a specific, imminent opportunity that may significantly benefit their career.

Grants will support

- purchase of materials, rental of equipment or space to complete work already scheduled for a specific event including exhibition, performance, publication, residency workshop, reading, et cetera;
- travel or shipping associated with the proposed event; and
- stipends or fees for collaborating artists (performers, designers, et cetera) whose participation would expand or enhance the proposed work.

For further information: <http://www.durfee.org/programs/arc/index.html>

Artslink Projects

CEC ArtsLink; ArtsLink Central and Eastern Europe

Deadline: January 15, 2009

ArtsLink Projects provide support to U.S. artists, curators, presenters, and arts organizations to work with their counterparts in Central Europe, Russia, and Eurasia. Projects should be designed to benefit participants and audiences in both countries.

In 2009, applications will be accepted from artists, curators, presenters and non-profit arts organizations working in dance, music, theater, and literature. Support is provided to

- create new work that draws inspiration from interaction with artists and the community in the country visited;
- establish mutually beneficial exchange of ideas and expertise between artists, arts organizations, and the local community; and
- pursue artistic cooperation that will enrich creative or professional development, or has potential to expand the community's access to the art of other cultures

For further information: <http://www.cecartslink.org/projects.php>

HUMANITIES

See also opportunities listed under MULTIPLE DISCIPLINES

Enduring Questions Grant Program

National Endowment for the Humanities

Deadline: November 13, 2008

The purpose of the Enduring Questions grant program is to encourage faculty and students at the undergraduate level to grapple with the most fundamental concerns of the humanities, and to join together in deep, sustained programs of reading in order to encounter influential thinkers over the centuries and into the present day.

Enduring questions are, to an overarching degree, *pre-disciplinary*. They are questions to which no discipline or field or profession can lay an exclusive claim. Enduring questions can be tackled by reflective individuals regardless of their chosen vocations, areas of expertise, or personal backgrounds. They are questions that have more than one plausible or interesting answer. They have long held interest for young people, and they allow for a special, intense dialogue across generations. The Enduring Questions grant program will help promote such dialogue in today's undergraduate environment. What are these enduring questions? The following list is neither prescriptive nor exhaustive but serves to illustrate.

- What is the good life?
- What is justice? Mercy? Freedom? Happiness? Friendship? Dignity?
- Is there a human nature, and, if so, what is it?
- What are the limits of scientific understanding?
- What is the relationship between humans and the natural world?
- Is there such a thing as right and wrong? Good and evil?
- What is good government? What are the origins of the modern world?

- What is liberal education?

The Enduring Questions grant program will support new humanities courses at the undergraduate level: their design and preparation, teaching, and assessment, as well as ancillary activities that enhance faculty-student intellectual community. Courses may be taught by faculty from any department or discipline in the humanities or by faculty outside the humanities (e.g., astronomy, biology, economics, law, mathematics, medicine, psychology), provided humanities sources are central to the course.

NEH Enduring Questions courses:

- must give evidence of “pre-disciplinary” character, encouraging reflection on human experience and avoiding extensive specialization;
- must focus on an explicitly stated question or questions, pursued in a disciplined and deliberate manner;
- must draw on significant readings from prior to the twentieth century and may draw on later works, with a preference for reading books in their entirety or near entirety;
- may draw on artworks (e.g., music, plays, sculpture);
- must reflect intellectual pluralism, anticipating more than one plausible or interesting answer to the question(s) at hand;
- must be open to all students regardless of major or concentration;
- may not be offered for graduate credit; and
- require a letter of institutional support from the president, provost, dean, program chair, or department chair, attesting to the course being new and committing to offering the course at least twice.

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

Henry Luce III Fellows in Theology

Association of Theological Schools in the United States and Canada (ATS)

Deadline: December 1, 2008

Through this faculty grant program, ATS seeks to (1) develop theological research that serves the needs of theological schools, communities of faith, and the wider society and (2) enhance faculty skill and capacity as theological researchers and scholars. This program is designed to encourage high-quality research that promises both to contribute to theological inquiry and to provide leadership in theological scholarship. Since its inception in 1994, the program has funded intellectually rigorous research projects that emphasize the interdisciplinary character of theological scholarship and education, and address the needs of the academy, communities of faith, and the wider society.

The fellowship enables each fellow to conduct year-long research in one of several areas of theological inquiry:

1. Bible and the Church: to probe the theological dimensions of Scripture in its historical contexts and how these dimensions relate to and inform current religious and societal issues.
2. Christianity and Contemporary Culture: to explore the moral and ethical dimensions and challenges of Christianity in contemporary North American culture(s).
3. Christianity and World Religions/World Christianity: to consider the growing role of

Christianity beyond the North American context and the global implications of world religions for current religious and societal issues.

4. Constructive Theology: to examine theological perspectives that address critical issues relevant to congregational and public life.

5. History of Christianity and the Church Today: to investigate the history of Christian practices and thought and the implications they have for contemporary Christian communities.

6. Ministry and Practice of Communities of Faith: to assess the impact that past or present practices of ministry and leadership (e.g., congregational life, worship, homiletics, counseling) have on church life today.

Interdisciplinary research and research appropriate to the multiple audiences and diverse discourses of theological scholarship are particularly encouraged. In addition, fellows present their findings at a yearly conference, and in both scholarly and popular journals.

For further information: <http://www.ats.edu/LeadershipEducation/Pages/GrantsPrograms.aspx>

Mellon/ACLS Recent Doctoral Recipients Fellowships

American Council of Learned Societies (ACLS)-Andrew W. Mellon Foundation/ACLS Early Career Fellowship Program

Deadline: December 10, 2008

The fellowships provide support for a year following the completion of the doctorate for scholars to advance their research. The fellowships are to assist young scholars in the humanities and related social sciences in the first or second year following completion of the Ph.D. Appropriate fields of specialization include, but are not limited to, American studies; anthropology; archaeology; art and architectural history; classics; economics; film; geography; history; languages and literatures; legal studies; linguistics; musicology; philosophy; political science; psychology; religious studies; rhetoric, communication, and media studies; science, technology, and medicine studies; sociology; and theater, dance, and performance studies. Proposals in the social science fields listed above are eligible only if they employ predominantly humanistic approaches (e.g., economic history, law and literature, political theory).

Proposals in interdisciplinary and cross-disciplinary studies are welcome, as are proposals focused on any geographic region or on any cultural or linguistic group. This program aims to assist recent doctoral recipients to position themselves for further scholarly advancement and is available to young scholars whether or not they hold academic positions. Unlike a typical postdoctoral fellowship in the humanities, where teaching is usually part of a fellow's responsibilities, this fellowship is designed for research and writing; accordingly, fellows may not teach during the tenure of the fellowship.

For further information: <http://www.acls.org/grants/Default.aspx?id=514>

INTERNATIONAL AREA STUDIES

See also opportunities listed under HUMANITIES and MULTIPLE DISCIPLINES

Early-Career Postdoctoral Fellowships in East European Studies

American Council of Learned Societies (ACLS)-East European Studies Program

Deadline: November 12, 2008

Pending confirmation of funding, the ACLS will offer support for postdoctoral research and writing in East European studies in all disciplines of the humanities and social sciences. Applications should be for work on Eastern Europe: Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Estonia, Hungary, Kosovo/a, Latvia, Lithuania, Macedonia, Montenegro, Poland, Romania, Serbia, Slovakia, and Slovenia. Applicants may propose comparative work considering more than one country of Eastern Europe or relating East European societies to other parts of the world. In awarding these grants, primary considerations are the scholarly merit of the proposal, its importance to the development of the field, and the scholarly potential and accomplishments of the applicant. All proposals should be for scholarly work, the product of which is to be disseminated in English.

For further information: <http://www.acls.org/grants/Default.aspx?id=534>

Conference and Travel Grants 2009

United States - Israel Binational Science Foundation

Deadline: December 19, 2008

This year BSF accepts applications in Physical Sciences, Exact Sciences, Energy, Environmental Sciences, Materials, Ecology, Economy and Sociology.

We are announcing a new call for proposals for workshops. This year the focus will be again on Israeli-U.S.-Palestinian scientific cooperation. The funds are for joint proposals from US and Israeli co-PIs to organize and conduct a workshop that is focused on bringing together Israeli, American and Palestinian scientists for the purpose of facilitating the development of partnership research projects. Proposals will be evaluated on the basis of their scientific excellence, as well as on their broader significance.

We are happy to announce the initiation of a new program for travel grants to young scientists. The funds are for short scientific trips by young American or Israeli scientists to the other country. In 2009, which is the first year of this new program, 10 grants will be awarded, each for \$4,000. The program is focused on students and post-doc fellows doing research that requires facilities or expertise that are not available in their home country. Proposals will be evaluated on the basis of their merit in light of the overall aim of the program, and the qualification of the applicant.

For further information: <http://www.bsf.org.il/Public/homepage/homePage.asp>

National Endowment for the Humanities (NEH) Research Fellowships

American Schools of Oriental Research (ASOR)-American Center of Oriental Research (ACOR)
- Amman

Deadline: February 1, 2009

The American Center of Oriental Research (ACOR) offers one continuous fellowship for advanced scholars at the institute in Amman during 2009-2010 (September 1, 2009, to September 1, 2010) through the National Endowment for the Humanities (NEH). The fellowship is for research in the humanities and disciplines of the social sciences that have humanistic content and employ humanistic methods.

Fields of research include modern and classical languages, linguistics, literature, history, jurisprudence, philosophy, archaeology, comparative religion, ethics, and the history, criticism, and theory of the arts.

Research topics should contribute to scholarship in Near Eastern studies. This program does not support work in the creative or performing arts, research undertaken in pursuit of an academic degree, the preparation of textbooks, projects that focus on pedagogical theory, research in educational methods and practice, or cognitive psychology. Nor does the program support projects that are directed at persuading an audience to a particular political, philosophical, religious, or ideological point of view, projects that advocate a particular program of social action or change, or projects that examine controversial issues without taking into account competing perspectives.

For further information: <http://www.bu.edu/acor/neh09-10.htm>

MEDICINE & LIFE SCIENCES

See also opportunities listed under MULTIPLE DISCIPLINES

Breast Cancer Research Program

The Department of Defense

Deadline: Pre-application: November 6, 2008

Full Proposal: November 20, 2008

The Fiscal Year 2008 (FY08) Defense Appropriations Act provides \$138 million to the Department of Defense Breast Cancer Research Program (BCRP) to support innovative research aimed at eradicating breast cancer. This program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP).

A pre-application is required and must be submitted through the CDMRP eReceipt website, <https://cdmrp.org>. All proposals must be submitted through Grants.gov.

For further information: <http://cdmrp.army.mil/bcrp/default.htm>

AACR Innovator Award for Cancer Prevention Research and AACR INNOVATOR Award for International Collaboration

Landon Foundation

Deadline: November 20, 2008 at 12:00 noon, U.S. Eastern Time

Landon Foundation-AACR Innovator Award for Cancer Prevention Research

The Award recognizes outstanding achievement by junior faculty in cancer prevention in any discipline across the continuum of research. Open to candidates at the level of Assistant Professor at any research institution in the world, who completed postdoctoral studies or clinical fellowships on or after July 1, 2006.

The award provides a two-year grant of \$100,000 to support direct research expenses; salary and benefits; and attendance at AACR meeting relevant to cancer prevention for the purpose of participating in scholarly exchange.

Landon Foundation-AACR INNOVATOR Award for International Collaboration

The Award provides a two-year, \$100,000 institutional grant.

The Award is open to two or more independent researchers working within an established international cancer research collaboration. The co-investigators may be affiliated with any institution involved in cancer research, cancer medicine, or cancer-related biomedical science anywhere in the world; however, the co-investigators may not be affiliated with the same institution nor with institutions within the same country.

For further information: www.aacr.org/page_14636.aspx or www.aacr.org/page14637.aspx

McKnight Foundation

McKnight Technological Innovations in Neuroscience Awards

Deadline: Pre Application: December 1, 2008

Full submission: May 1, 2009

Two page letter of intent, summarizing the project and describing how the technology involved will enrich neurosciences and become accessible to other researcher in the filed.

These awards support scientists working on new and unusual approaches to understanding brain function. The program seeks to **advance and enlarge the range of technologies available to the neurosciences**. It does not support research based primarily on existing techniques.

The Endowment Fund is especially interested in **how technology may be used or adapted to monitor, manipulate, analyze, or model brain function** at any level, from the molecular to the entire organism. Collaborative and cross-disciplinary applications are invited.

For further information: <http://www.mcknight.org/neuroscience/awards/technology.aspx>

Pilot-Scale Libraries (PSL) for High-Throughput Screening (P41)

Department of Health and Human Services (HHS)

Deadline: January 8, 2009

This initiative, a component of the NIH Roadmap Molecular Libraries Program (MLP), will support the generation of pilot-scale chemical diversity libraries. These libraries will be used for high-throughput biological screening by the Molecular Libraries Probe Production Centers Network (MLPCN). This Funding Opportunity Announcement (FOA) will utilize the P41 (Biomedical Research Resource) grant mechanism.

For further information: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-RM-08-003.html>

Genes and Genome Systems Cluster

National Science Foundation (NSF)

Deadline: January 12, 2009

The Genes and Genome Systems Cluster supports studies on genomes and genetic mechanisms in all organisms, whether prokaryote, eukaryote, phage, or virus. Proposals on the structure, maintenance, expression, transfer, and stability of genetic information in DNA, RNA, and proteins and how those processes are regulated are appropriate. Areas of interest include genome organization, molecular and cellular evolution, replication, recombination, repair, and vertical and lateral transmission of heritable information. Of equal interest are the processes that mediate and regulate gene expression, such as chromatin structure, epigenetic phenomena, transcription, RNA processing, editing and degradation, and translation. The use of innovative in vivo and in vitro approaches, including biochemical, physiological, genetic, genomic, and computational methods, is encouraged, as is research at the interfaces of biology, physics, chemistry, mathematics and computer science, and engineering. This cluster includes the scientific themes of eukaryotic genetics, microbial genetics, and the biochemistry of gene expression.

For further information:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12780&org=MCB&from=fund

Biomolecular Systems Cluster

National Science Foundation (NSF)

Deadline: January 12, 2009

The Biomolecular Systems Cluster emphasizes the structure, function, dynamics, interactions, and interconversions of biological molecules. The context for such studies can range from investigations of individual macromolecules to the large-scale integration of metabolic and energetic processes. Research supported by this cluster includes development of cutting-edge technologies integrating theoretical, computational, and experimental approaches to the study of biological molecules and their functional complexes; mechanistic studies of the regulation and catalysis of enzymes and RNA, and higher-order characterization of the biochemical processes

by which all organisms acquire, transform, and utilize energy from substrates. This cluster emphasizes the importance of multidisciplinary research carried out at the interfaces of biology, physics, chemistry, mathematics and computer science, and engineering.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12771

Research Awards

American Diabetes Association (ADA)

Deadline: January 15, 2009

These awards provide grant support to new and established investigators and to investigators who have not previously worked in the field of diabetes and have an imaginative proposal related to any aspect of diabetes research. Applications will be considered in any area that is relevant to the etiology or pathophysiology of diabetes and its complications.

For further information: http://professional.diabetes.org/Diabetes_Research.aspx?cid=60656

PHYSICAL SCIENCES & MATHEMATICS

See also opportunities listed under MULTIPLE DISCIPLINES

Greater Research Opportunities (GRO) Undergraduate Student Fellowships

United States Environmental Protection Agency (EPA)

Deadline: December 11, 2008

The U.S. Environmental Protection Agency (EPA), as part of its Greater Research Opportunities (GRO) program, is offering Greater Research Opportunities (GRO) undergraduate fellowships for bachelor level students in environmental fields of study. The GRO program enhances and supports quality environmental education for undergraduates, and thereby encourages them to continue their education beyond the baccalaureate level, and pursue careers in environmentally related fields.

The GRO Undergraduate Fellowship program is part of the national effort to help ensure that the United States meets its current and projected human resource needs in the environmental science, engineering, and policy fields (Jackson 2002). The goals of the programs are to bolster the environmental generation of tomorrow, bridge to diverse communities, and boost excellent research and development that advance the protection of human health and the environment through education. The program focuses its efforts at stimulating and supporting interest in environmentally-related research and development at institutions of higher education that receive limited federal funding, including in particular institutions with substantial minority enrollment (Environmental Career Organizations 2001).

By enhancing and supporting quality environmental education for undergraduate students, the GRO Undergraduate Fellowship thereby encourages promising students to pursue careers in environmentally related fields and to continue their education beyond the baccalaureate level.

This goal is consistent with the mission of EPA, which is to provide leadership in the nation's environmental science, research, education, assessment, restoration, preservation, and pollution prevention efforts.

The GRO Fellowship program has benefited both public and private sectors by consistently providing the nation with well-trained environmental specialists to meet environmental challenges in our society. GRO supported fellows have provided new environmental research in the physical, biological, health, and social sciences as well as in engineering.

The fellow must agree in writing to participate for up to 12 weeks at an EPA facility (located in the U.S. or its territories) as a Summer Intern in the EPA GRO Summer Intern Program, after the first year of EPA fellowship support. Each intern must complete a summer project that is designed to complement and enhance the training received under the fellowship program. EPA will provide support for temporary relocation and provide a living stipend during the Summer Internship. Fellows will be contacted during their first year to arrange for this internship.

Fellowships in the following specific areas of interest will be offered this year. The applicant's planned course of study must focus on one or more of the following areas of environmental significance and must describe the relationship of these topic areas to the statutorily required purpose of pollution prevention and/or control:

1. EPA-F2008U-GRO-P1 Natural and Life Sciences (e.g., Biology, Ecology, Microbiology, Molecular)
2. EPA-F2008U-GRO-P2 Environmental Science & Interdisciplinary (e.g., Biotechnology, Urban and Land Use Planning)
3. EPA-F2008U-GRO-P3 Engineering (e.g., Environmental Engineering, Bioenvironmental Engineering, Green Building Engineering)
4. EPA-F2008U-GRO-P4 Social Sciences & Decision-making (e.g., Economics, Political Science, International Environmental Studies)
5. EPA-F2008U-GRO-Q1 Physical Sciences (e.g., Atmospheric Sciences, Chemistry, Environmental Geology, Earth Sciences, Geography, Soil Science, Biogeochemistry)
6. EPA-F2008U-GRO-Q2 Mathematics and Computer Science (e.g., Applied Mathematics; Statistics; Database Management; Bioinformatics; Environmental Information Science)

For further information: http://es.epa.gov/ncer/rfa/2009/2009_gro_undergrad.html

Roger Revelle Fellowship in Global Stewardship

The American Association for the Advancement of Science

Deadline: December 15, 2008

The Revelle Fellowship is designed to provide a unique opportunity for an accomplished scientist to address global stewardship issues by applying his or her broad, multidisciplinary background toward solutions to these important societal problems. The Revelle Fellow will engage with professionals in the public policy arena to strengthen his or her understanding of the intricacies of environmental policymaking and make practical contributions to the more effective use of scientific and technical knowledge in federal decision-making.

Prospective Revelle Fellows must:

- Have an additional three years of post-graduate professional experience;
- Demonstrate exceptional competence in a field of science or engineering that relates to global stewardship;
- Show evidence of multidisciplinary ability in their educational background and in addressing societal problems;
- And, perhaps most importantly, have a strong interest and some experience applying their scientific knowledge toward the solution of policy problems.

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

Mathematical Biology Program

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

Deadline: January 13, 2009

This program supports research in areas of applied and computational mathematics with relevance to the biological sciences. Successful proposals are mathematically innovative and address challenging problems of interest to members of the biological community. Projects may include development of mathematical concepts and tools traditionally seen in other disciplinary programs within the DMS, e.g., topology, probability, statistics, and computation, etc. To receive appropriate and timely review, such proposals should be submitted directly to the relevant disciplinary program, but will be considered for co-review by this program that may be selected as a secondary program. Proposals that use established mathematical, statistical, and computational tools to address problems in the biological sciences are typically not appropriate for consideration by the disciplinary programs within DMS. This program interacts with every division in the NSF Directorate of Biological Sciences, and its interests overlap those of the biology programs. This program regularly seeks joint reviews of proposals with programs in the Directorate of Biological Sciences. Investigators are encouraged to discuss their project with program officers in both areas to determine if it should be considered for co-review.

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

CubeSat-based Science Missions for Space Weather and Atmospheric Research

National Science Foundation (NSF); Directorate for Geosciences (GEO); Division of Atmospheric Sciences (ATM)

Deadline: February 10, 2009

Lack of essential observations from space is currently a major limiting factor in space weather research. Recent advances in sensor and spacecraft technologies make it feasible to obtain key measurements from low-cost, small satellite missions. A particularly promising aspect of this development is the prospect for obtaining multi-point observations in space that are critical for

addressing many outstanding problems in space science. Space-based measurements from small satellites also have great potential to advance discovery and understanding in other areas of atmospheric sciences. To take full advantage of these developments, the National Science Foundation (NSF) is soliciting research proposals centered on small satellite missions.

The overarching goal of the program is to support the development, construction, launch, operation, and data analysis of small satellite science missions to advance space weather and atmospheric research. Equally important, it will provide essential opportunities to train the next generation of experimental space scientists and aerospace engineers.

To facilitate launch of the satellites as secondary payloads on existing missions, the focus of the program is on CubeSat-based satellites. Launch of the satellites will be through the standardized CubeSat deployment system, the Poly Picosatellite Orbital Deployer (P-POD). Launch of the P-PODS will be as auxiliary payloads on DOD, NASA, or commercial launches. This will be arranged directly by NSF and is not part of this solicitation. Beginning in 2009, NSF expects to launch two to four P-PODs every year, accommodating at least as many (three to six) individual satellite missions. This solicitation covers proposals for science missions to include satellite development, construction, testing, and operation, as well as data distribution and scientific analysis.

For further information: <http://www.nsf.gov/pubs/2008/nsf08549/nsf08549.htm>

SOCIAL SCIENCES

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

Standard Research Grants

American Foundation for Suicide Prevention (AFSP)

Deadline: December 15, 2008

The American Foundation for Suicide Prevention (AFSP) awards research grants for investigators conducting clinical, biological, or psychosocial research on the problem of suicide. Standard Research Grants are awarded to investigators at any academic rank. The grants are designed to support research on suicide from a variety of disciplines, including psychiatry, medicine, psychology, genetics, epidemiology, neurobiology, sociology, nursing, health services administration and many others. Grants are not intended to support the development or implementation of prevention programs, educational programs, treatments, or other interventions that do not have a significant research component.

For further information: http://www.afsp.org/index.cfm?page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B

Charles E. Smith Extended Grant on the Subject of Memory, Basic, and Clinical Psychobiology

National Institute for Psychobiology in Israel

Deadline: December 31, 2008

Since its inception, the National Institute of Psychobiology has been a pivotal force in the development of psychobiology in Israel, supporting a generation of young and established scientists. The institute strives to identify and promote scientific excellence and to balance and interrelate fundamental and clinical research in psychobiology. The establishment of a special fund by the Smith family facilitates funding of a research grant on the subject of memory. In addition, new grants have been established on the subjects of clinical and basic psychobiology.

For further information: http://www.psychobiology.org.il/funding/fun_gran.html

Economics Program

National Science Foundation (NSF)

Deadline: January 18, 2009

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

Cultural Anthropology Program

National Science Foundation (NSF)-Directorate for Social, Behavioral, and Economic Sciences (SBE)-Division of Behavioral and Cognitive Sciences (BCS)-Cultural Anthropology

Deadline: Senior Research and Dissertation Research: January 15, 2009

Scholars: January 16, 2009

The 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

MULTIPLE DISCIPLINES

Emergency Grants

Social Science Research Council (SSRC) – USA, Media Research Hub

Deadline: Continuous

Collaborative grants are designed to raise incentives for academic-advocacy collaboration in the design, conduct, and application of research. Urgent research needs can sometimes fall outside the collaborative grants schedule. To accommodate such needs, SSRC program staff will accept requests for emergency grants via e-mail.

The selection committee will also favor proposals that address issues of disparate impact on communities on the basis of race, class, gender, ethnicity, age, or other identity/status category. Bonus points will be given for proposals that involve collaboration between two or more advocacy/community groups in the project design and the plan of use for the research.

For further information: <http://mediaresearchhub.ssrc.org/grants/emergency-grants>

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

Office of Naval Research (ONR); Air Force Office of Scientific Research (AFOSR); Army Research Office (ARO)

Deadline: White Papers: October 31, 2008

Full Proposals: January 9, 2009

The MURI program supports basic science and/or engineering research at U.S. institutions of higher education (hereafter referred to as "universities") that is of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical concern to the DoD.

The FY 2009 MURI competition is for the 32 topics listed in the BAA. Detailed descriptions of the topics can be found in Section VIII entitled, "Specific MURI Topics," of the BAA. The detailed descriptions are intended to provide the proposer a frame of reference and are not meant to be restrictive to the possible approaches to achieving the goals of the topic and the program. Innovative ideas addressing these research topics are highly encouraged.

White papers and full proposals addressing the following topics (1) through (9) should be submitted to ONR:

- (1) Cellular, Molecular, Genetic and Biochemical Correlates of Training
- (2) Removing the Botnet Threat
- (3) Machine Intelligence and Adaptive Classification for Autonomous Systems
- (4) Highly Decentralized Autonomous Systems for Force Protection and Damage Control
- (5) Bio-inspired Autonomous Agile Sensing and Exploitation of Regions of Interest within Wide Complex Scenes
- (6) Computational Intelligence for Decentralized Teams of Autonomous Agents

- (7) Dynamic Biological Adaptations to the Undersea Light Field
- (8) Grounding Language Understanding in Cognitive Architecture
- (9) Tailoring Electronic Bandgap of Nanostructured Graphene

White papers and Full proposals addressing the following topics (10) through (21) should be submitted to the Air Force Office of Scientific Research (AFOSR):

- (10) Neurological System-Inspired Multifunctional Materials Design for Autonomous State Awareness against Exogenous Threats
- (11) Chemical Energy Enhancement by Nonequilibrium Plasma Species
- (12) Ultracold Molecules
- (13) Search for New Superconductors for Energy and Power Applications
- (14) Complex Nonperiodic Nanophotonics
- (15) Multi-Scale Fusion of Information for Uncertainty Quantification and Management in Large-Scale Simulations
- (16) Learning Decision Architectures for Intelligent Cooperative Control of Autonomous Systems
- (17) Information Dynamics In Networks
- (18) Synthesis, Analysis, and Prognosis of Hybrid-Material Flight Structures
- (19) Biophotonics: Optical Effects through Nature's Photonic Control
- (20) Fundamental Graphene Material Studies and Device Concepts
- (21) Application Software and Data Protection for Untrusted Platforms

White papers and full proposals addressing the following topics (22) through (32) should be submitted to the Army Research Office (ARO):

- (22) Disruptive Fibers for Flexible Armor
- (23) Network-based Hard/Soft Information Fusion
- (24) Tailored Stress-Wave Mitigation
- (25) Integrated Quantum Circuits
- (26) Adaptive Structural Materials
- (27) Transformational Optics
- (28) Emergent Phenomena at Complex Oxide Interfaces
- (29) Application of Systems Biology to Regenerative Medicine
- (30) Mechanisms of Bacterial Spore Germination
- (31) Opportunistic Sensing
- (32) Cyber Situation Awareness

For further information: http://www.onr.navy.mil/sci_tech/3t/corporate/docs/muri_09_baa.pdf

ACLS Collaborative Research Awards

American Council of Learned Societies (ACLS)

Deadline: November 12, 2008

These awards support collaborative research in the humanities and related social sciences. Appropriate fields of specialization include, but are not limited to, American studies; anthropology; archaeology; art and architectural history; classics; economics; film; geography;

history; languages and literatures; legal studies; linguistics; musicology; philosophy; political science; psychology; religious studies; rhetoric, communication, and media studies; science, technology, and medicine studies; sociology; and theater, dance, and performance studies. Proposals in the social science fields listed above are eligible only if they employ predominantly humanistic approaches (e.g., economic history, law and literature, political theory). Proposals in interdisciplinary and cross-disciplinary studies are welcome, as are proposals focused on any geographic region or on any cultural or linguistic group. Collaborations need not be interdisciplinary or inter-institutional. It is hoped that projects of successful applicants will help demonstrate the range and value of both collaborative research and inquiry in the humanities, and model how such collaboration may be carried out successfully.

The aim of this program is to offer teams of two or more scholars the opportunity to collaborate intensively on a single, substantive project. Each project should provide release time to pursue collaborative research; and yield tangible research outcomes, such as joint publications, web projects, or other collaboratively produced projects. Projects will be judged by their quality and the extent to which project participants have the expertise appropriate and necessary to carry out the work.

For further information: <http://www.acls.org/grants/Default.aspx?id=3154>

Loan Repayment Programs (LRPs)

The National Institutes of Health (NIH)

Deadline: December 1, 2008

The National Institutes of Health (NIH) will repay your outstanding student loans through its extramural Loan Repayment Programs (LRPs) if you are or will be conducting nonprofit biomedical or behavioral research and meet eligibility requirements. The application cycle for the extramural LRPs opened September 1 and includes programs for Clinical Research, Pediatric Research, Health Disparities Research, Contraception and Infertility Research, and Clinical Research for Individuals from Disadvantaged Backgrounds.

For further information: www.lrp.nih.gov

Course, Curriculum, and Laboratory Improvement (CCLI) Phases 2 & 3 - NSF 07-543

National Science Foundation (NSF)-Directorate for Education and Human Resources (EHR)-
Division of Undergraduate Education (DUE)

Deadline: January 12, 2009

This program seeks to improve the quality of science, technology, engineering, and mathematics (STEM) education for all undergraduate students. The program supports efforts to create, adapt, and disseminate new learning materials and teaching strategies, develop faculty expertise, implement educational innovations, assess learning and evaluate innovations, and conduct research on STEM teaching and learning. Specifically excluded are projects that address solely professional training in clinical fields such as medicine, nursing, and clinical psychology.

The program supports three types of projects representing three different phases of development, ranging from small, exploratory investigations to large, comprehensive projects. The phases reflect the maturity of the proposed educational innovation and the number of academic institutions, students, and faculty involved in the project. All proposals should include an explicit and thorough discussion of prior work showing how the proposed project is informed by and builds upon that work. They also should include an evaluation plan appropriate to the size and scope of the project.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5741