

Funding Opportunities Bulletin

July 2009

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BUSINESS

See also opportunities listed under MULTIPLE DISCIPLINES

Economics Program

National Science Foundation (NSF)

Deadline: August 18, 2009

The 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. This program also strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. It supports research in almost every area of economics, including econometrics, economic history, environmental economics, finance, industrial organization, international economics, labor economics, macroeconomics, mathematical economics, and public finance.

The program welcomes proposals for individual or multi-investigator research projects, doctoral dissertation improvement awards, conferences, workshops, symposia, experimental research, data collection and dissemination, computer equipment and other instrumentation, and research experience for undergraduates. The program places a high priority on interdisciplinary research. Investigators are encouraged to submit proposals of joint interest to the Economics Program and other NSF programs and NSF initiative areas. 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.

For further information:

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

Paul A. Samuelson Award

TIAA-CREF

Deadline: August 28, 2009

The TIAA-CREF Paul A. Samuelson Award recognizes outstanding scholarly writing on issues related to lifelong financial security. Named in honor of the Nobel laureate and former CREF Trustee, this award is given each year in recognition of an outstanding research publication containing ideas that the public and private sectors can use to maintain and improve Americans' financial well-being.

To be considered, an article or a book must be scholarly in nature, written in English, and published between January 1, 2007, and June 30, 2008. Individual papers in an edited volume are welcome. The collected papers in an edited volume, however, are not eligible as a submission.

For further information: <http://www.tiaa-crefinstitute.org/awards/samuels.html>

McGowan Scholars

William G. McGowan Charitable Fund, Inc.

Deadline: September 15, 2009

The McGowan Charitable Fund has established this program to provide selected colleges and universities with scholarships to help students who wish to pursue a business education.

The McGowan Scholars program recognizes the academic achievements and excellence of students pursuing a major offered by an accredited business school. It is designed to encourage leadership ability, interpersonal skills, and a significant involvement in academic, campus, and community activities. It also recognizes excellence of character, a spirit of innovation, and entrepreneurial potential.

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

EDUCATION

See also opportunities listed under MULTIPLE DISCIPLINES

Teacher Quality Partnership Grants Program; (ARRA Program) CFDA 84.405A

U.S. Department of Education

Deadline: Notice of Intent to Apply: June 26, 2009

Full Application: July 23, 2009

The purposes of the Teacher Quality Partnership (TQP) Grants Program are to: Improve student achievement; improve the quality of new and prospective teachers by improving the preparation of prospective teachers and enhancing professional development activities for new teachers; hold teacher preparation programs at institutions of higher education (IHEs) accountable for preparing highly qualified teachers; and recruit highly qualified individuals, including minorities and

individuals from other occupations, into the teaching force. More specifically, the TQP Grants Program seeks to improve the quality of new teachers by creating partnerships among IHEs, high-need school districts (local educational agencies (LEAs)) their high-need schools, and/or high-need early childhood education (ECE) program. These partnerships would create model teacher preparation programs at the pre-baccalaureate level through the implementation of specific reforms of the IHE's existing teacher preparation programs, and/or model teaching residency programs for individuals with strong academic and/or professional backgrounds but without teaching experience. The TQP Grants Program may also support school leadership programs to train superintendents, principals, ECE program directors, and other school leaders in high-need or rural LEAs.

For further information:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=47581>

American Recovery and Reinvestment Act of 2009 Early Head Start Expansion

Department of Health & Human Services Administration for Children and Families

Deadline: July 9, 2009

This grant award is being made available under the American Recovery and Reinvestment Act of 2009 (P.L. 111-5). Funding will support the enrollment of additional children and families as well as create new teaching and other positions in Early Head Start programs.

The Administration for Children and Families solicits applications from public or private non-profit organizations, including faith-based organizations or for-profit organizations, that wish to compete for funds that are available to provide Early Head Start services to pregnant women, infants and toddlers and their families. The Administration for Children and Families (ACF) announces the availability of approximately \$619 million to be competitively awarded for the purpose of expanding enrollment by approximately 55,000 low-income children and their families. This expansion is only to increase the number of pregnant women, infants and toddlers served in Early Head Start.

Financial assistance will be competitively awarded to local public and local non-profit and for-profit private entities, including Early Head Start and Head Start grantees, to provide child and family development services for low-income families with infants and toddlers ages birth to three years and pregnant women who are not currently being served by a Head Start or Early Head Start program. Early Head Start programs are funded to provide early, continuous, intensive and comprehensive child development and family support services. The purpose of the Early Head Start program is to enhance children's physical, social, emotional, and intellectual development; to assist pregnant women to access comprehensive prenatal and post partum care; to support parents' efforts to fulfill their parental roles; and to help parents move toward self-sufficiency. Research demonstrates that such early, continuous, intensive and comprehensive programs that are well implemented improve school readiness outcomes for children.

This grant opportunity is being made available under the American Recovery and Reinvestment Act of 2009. Successful applicants will be subject to reporting requirements consistent with the Act and with current Head Start regulations.

All interested applicants can access information that will inform the design of quality Early Head Start programs that meet the requirements of the Head Start Program Performance Standards and other regulations and the Head Start Act on the Early Childhood Learning and Knowledge Center (<http://eclkc.ohs.acf.hhs.gov>)

For further information: <http://www.acf.hhs.gov/grants/open/HHS-2009-ACF-OHS-SA-0087.html>

Special Education Research: Policy, Finance, and Systems - 84.324A

United States Department of Education (ED)

Deadline: August 3, 2009

Through the research program on Special Education Policy, Finance, and Systems, the institute intends to contribute to the improvement of education for students with disabilities or at risk for disabilities by

- exploring malleable factors (e.g., procedures for allocating resources, education finance practices, school organization and structure) that are correlated with outcomes for students with or at risk for disabilities, as well as mediators or moderators of the relations between these factors and student outcomes, for the purpose of identifying potential targets of intervention;
- developing innovative systems or policies that are intended to improve student outcomes either directly or indirectly by improving the education environment for students with or at risk for disabilities;
- evaluating the efficacy of systemic practices or policies that are intended to improve student outcomes either directly or indirectly by improving the education environment for students with or at risk for disabilities;
- evaluating the impact of systemic practices and policies that are implemented at scale and are intended to improve student outcomes either directly or indirectly by improving the education environment; and
- developing assessments that can be used to evaluate organization, management, or implementation of systems-level programs or policies and validating these or existing assessments against student outcomes, as well as developing and validating accommodations for large-scale assessments (i.e., assessments used for accountability purposes) that would permit measurement of the proficiency and growth of students with disabilities.

The long-term outcome of this program will be an array of systems-level practices and policies that have been documented to be effective for improving the education or intervention environment and thereby improving outcomes for students with or at risk for disabilities from kindergarten through Grade 12.

For further information: <http://ies.ed.gov/funding/10rfas.asp>

Mathematics and Science Education - 84.305A

United States Department of Education (ED)

Deadline: August 3, 2009

The institute intends for the research program on Mathematics and Science Education (Math/Science) to fulfill the following five goals:

1. Exploring malleable factors (e.g., children's skills, instructional practices, curricula) that are associated with better mathematics or science outcomes, as well as mediators and moderators of the relations between these factors and student outcomes, for the purpose of identifying potential targets of intervention
2. Developing innovative curricula and instructional approaches to mathematics and science education that will eventually result in improving mathematics and science achievement
3. Evaluating the efficacy of fully developed curricula and instructional approaches to mathematics and science education with efficacy or replication trials
4. Evaluating the impact of mathematics and science curricula and instructional approaches that are implemented at scale
5. Developing and/or validating assessments of mathematics and science learning intended for use by practitioners

The long-term outcome of this program will be an array of tools and strategies (e.g., curricula, programs, assessments) that have been demonstrated to be effective for improving or assessing mathematics and science learning and achievement. For the Mathematics and Science Education research program, applicants must submit under either Goal One or Goal Two or Goal Three or Goal Four or Goal Five. Under the Math/Science program, applications must address

- malleable factors that are associated with mathematics or science achievement for the purpose of identifying potential targets of intervention; or
- mediators or moderators of the relations between malleable factors and mathematics or science achievement for the purpose of identifying potential targets of intervention; or
- mathematics or science curricula designed to improve mathematics or science proficiency; or
- instructional approaches for teaching mathematics or science that could be implemented within the context of existing mathematics or science curricula; or
- assessments to support mathematics or science instruction.

Under the Math/Science program

- applications relevant to mathematics education must be for students from kindergarten through high school or for students in adult and vocational education programs or in developmental/bridge programs designed to help under-prepared students acquire the skills to succeed in college;
- applications relevant to science education must be for students from kindergarten through high school; and
- interventions must be for use in schools, alternative school settings, or supplemental education services as defined in Section 1116(e) of the Elementary and Secondary Education Act of 1965, as amended by the No Child Left Behind Act of 2001.

Across its research programs, the National Center for Education Research is particularly

interested in interventions for students who are from low income backgrounds and/or racial, ethnic, and linguistic minority groups that have underachieved academically, but will consider applications that focus on other populations if the results are likely to be applicable across socioeconomic, racial, ethnic, and linguistic categories. Research supported through this program must be relevant to U.S. schools.

For further information: <http://ies.ed.gov/funding/10rfas.asp>

Evaluation of State and Local Education Programs and Policies - 84.305E

United States Department of Education (ED)

Deadline: August 3, 2009

Through the research program in Evaluation of State and Local Education Programs and Policies, the institute will provide support for rigorous evaluations of education programs or policies that are implemented by state or local education agencies. The institute intends to fund rigorous evaluations to determine the overall impact of fully developed education programs or policies implemented under typical conditions by a state, district, or consortium of states or districts and to determine the impact across a variety of conditions (e.g., different student populations, different types of schools).

By overall impact, the institute means the degree to which an intervention on average has a net positive impact on the outcomes of interest in relation to the program or practice to which it is being compared. By referring to impact across a variety of conditions, the institute conveys the expectation that sub-group analyses of different student populations, types of schools, and other potential moderating conditions will be conducted to determine if interventions produce positive impacts for some groups or under some conditions.

By fully developed, the institute means interventions that are ready to be implemented by schools or districts - that is, all of the materials, manuals, and other supports are ready to be distributed to and used by schools or districts. By typical conditions, the institute means that the program or policy is implemented without special support by developers of the intervention or the research team, to improve, for example, the fidelity of the implementation of the intervention.

First, the institute intends the State/Local Evaluation research program to support the evaluation of education programs and policies that are selected and implemented by state or local education agencies to improve student outcomes directly or indirectly, rather than evaluations of interventions that are selected by researchers from agencies outside of state or local education agencies (e.g., institutions of higher education, research firms). The program or policy to be evaluated may be an education intervention that the state or local education agency is planning to adopt or an intervention that is already an existing practice but is innovative, has not yet been evaluated, and is not yet universal.

Second, the implementation of the chosen intervention(s) must be at sufficient scale to ensure appropriate generalizability of the findings. There should be sufficient numbers of students, schools, or districts to allow for subgroup analyses of the impact on specific student populations

and analyses of moderating conditions that may affect the impact of the intervention. Along with being widely implemented, the intervention is to be implemented under typical conditions.

Third, through the State/Local Evaluation research program, the institute intends to invest in the evaluation of interventions that substantially modify or differ from existing practices. The modest interventions that states and districts make on an ongoing basis, such as small changes in daily schedules or making minor adjustments to teacher certification systems, are not the targets of this research program. For example, although the institute does not intend to fund evaluations of two different versions of the same textbook, an applicant could propose to compare the effects of textbooks from different publishers or using the same textbook with and without an expensive education technology supplement to the textbook.

Fourth, the institute is most interested in interventions that could be transferred to other districts and states. To be considered for State/Local Evaluation awards, applicants must provide a description of the intervention and a clear rationale for the practical importance of the intervention. Specifically, applicants should address the following six topics:

1. What are the components of the intervention and how is it implemented?
2. What is the rationale that justifies the likelihood of the intervention producing educationally meaningful effects (e.g., theory of change, how it is different from what currently occurs)?
3. What outcomes are addressed by the intervention?
4. Is the intervention to be widely applied?
5. Is the intervention designed so that it is feasible and affordable for other states or districts to adopt the intervention should an evaluation show that the intervention improves the intended outcomes?
6. Will the intervention be implemented across a range of education settings?

In addition, applicants must indicate who is responsible for implementing the intervention. By addressing the six topics and describing the implementer, the applicant is presenting the significance of their proposed project.

For further information: <http://ies.ed.gov/funding/10rfas.asp>

ENGINEERING & COMPUTER SCIENCE

See also opportunities listed under MULTIPLE DISCIPLINES

National Institute of Standards and Technology Recovery Act Measurement Science and Engineering Fellowship Program 2009-NIST-ARRA-MSE-Fellowship-01

National Institute of Standards and Technology (NIST), Department of Commerce

Deadline: July 27, 2009 (3:00 p.m. Eastern Daylight Saving Time)

The National Institute of Standards and Technology (NIST) is establishing a financial assistance program for awardees to develop and implement with NIST a measurement science and engineering fellowship program as part of NIST's activities implementing the American Recovery and Reinvestment Act of 2009 (ARRA, or Recovery Act), P.L. 111-5, 123 Stat. 115. The fellowship program is intended to promote training and practical experience in science and

engineering, and to advance NIST's mission to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.

For further information: http://www.nist.gov/recovery/measurement_fellow_ffo.html

Advancing Public Health Protection through Water Infrastructure Sustainability

United States Environmental Protection Agency (EPA)

Deadline: August 17, 2009

The responsibility for providing safe drinking water and protecting water quality in the United States (U.S.) is shared by EPA, states, tribal nations, local governments, and utilities/companies that supply drinking water and/or collect and treat wastewater. To meet this obligation, the integrity of the water infrastructure is paramount. Concerns about the age, condition, reliability, and sustainability of the existing water infrastructure have spawned a host of research questions associated with potential associated health risks and approaches for managing them.

Key concerns include intrusion, cross-connections, backflows, and pressure perturbations in conjunction with physical-chemical reactions that occur in distribution systems such nitrification, solids accumulation, and contaminant mobilization and pathogen release from biofilms. These reactions can be continuous, intermittent, or episodic. In addition, tools are needed that can help prevent and predict infrastructure failures, better integrate new, green, and hybrid infrastructure systems with existing infrastructure and optimize the effectiveness of preventive and remedial strategies. In addition, integrated approaches are needed to improve the sustainability, reliability, and energy and water efficiency of water infrastructure systems.

The purpose of this solicitation is to support applied research that can lead to better understanding of the links between water infrastructure and public health protection, as well as tangible innovative solutions that spring from that understanding. All applications must address the following items in order to be considered for funding:

1. The approach that will be used to evaluate the success of the project
2. Identification of specific drinking water quality or health benefits to the public that is likely to be realized from successful completion of the project
3. A description of how the results and outputs of the project could be adopted to improve water infrastructure sustainability
4. A description of how water infrastructure sustainability and economic viability are addressed by the project

Projects must focus on at least two of the following priority areas in order to be considered for funding:

1. System designs incorporating energy-efficient and water-efficient, and green water resource management practices that maximize benefits including infrastructure reliability and sustainability, public health protection, reduced energy consumption, and economic viability
2. Designs, technologies, tools, approaches, and supporting data for preventing, predicting, assessing, responding, and managing public health and economic risks associated with breaches

or failures of water infrastructure systems

3. Innovative and practicable approaches to manage water infrastructure that serve to prevent introduction, retention, accumulation, and mobilization of waterborne pathogens and chemical contaminants under various system conditions and metrics to evaluate the overall effectiveness of these approaches

EPA is particularly interested in applications that address one or more of the following areas:

1. Develop and test new water infrastructure system design and operating concepts that protect public health and maximize sustainability, reliability, and energy and water efficiency
2. Inform public health risk assessments associated with distribution vulnerability factors (e.g., low or absent disinfection residual conditions and infrastructure disruptions leading to contaminated water entering the distribution system)
3. Inform quantitative relationships between infrastructure conditions and public health risks associated with continuous, intermittent, or episodic water quality deterioration or contamination
4. Quantify the economic and energy aspects of strategies, tools, or concepts that prevent, mitigate and respond to infrastructure decay or disruption (which have a potential health risk consequence)

Expected outputs from the projects to be awarded include

- integrated strategies for the design and operation of water distribution and storage systems that can prevent water quality deterioration, reduce potential health risks, and improve energy and water efficiency and economic viability; and
- research products that lead to increased public health protection including reduced incidence or potential for health impacts from water infrastructure breaches or failures, improved diagnostics and strategies for preventing, predicting, identifying, and mitigating main breaks, cross-connections, intrusions, back-flows and overflows.

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

Research on Gender in Science and Engineering (GSE) - NSF 09-511

National Science Foundation (NSF)

Deadline: August 25, 2009

The GSE program supports efforts to understand and address gender-based differences in science, technology, engineering, and mathematics (STEM) education and workforce participation through research, the diffusion of research-based innovations, and extension services in education that will lead to a larger and more diverse domestic science and engineering workforce. Typical projects will contribute to the knowledge base addressing gender-related differences in learning and in the educational experiences that affect student interest, performance, and choice of careers; how pedagogical approaches and teaching styles, curriculum, student services, and institutional culture contribute to causing or closing gender gaps that persist in certain fields. Projects will communicate and apply findings, evaluation results, and proven good practices and products to a wider community. The GSE program has been funding these objectives since 1993, under the prior names "Program for Women and Girls" (PWG), "Program for Gender Equity in Science, Mathematics, Engineering and Technology"

(PGE), and "Gender Diversity in STEM Education" (GDSE). The program continues to seek to broaden the participation of girls and women in all fields of STEM education.

The program does not currently fund intervention or education projects that directly serve students as their primary purpose. Research projects may involve an intervention with students as subjects only if the intervention is an integral part of gathering data and if the findings from the intervention would substantially answer the research questions posed within the context of theory and hypotheses. There should be meaningful control groups also included in the design.

The GSE program seeks to build resources - developing the nation's knowledge capital, social capital, and human capital - toward the goal of broadening the participation of girls and young women in STEM education from kindergarten through undergraduate education. Grants are available in the following tracks:

1. Research projects: Projects should investigate gender-based factors that impact learning and choice in STEM education and the workforce; societal, formal and informal educational systems' interaction with individuals that encourage or discourage interest and persistence in study or careers in certain STEM fields along gender lines.
2. Diffusion of Research-Based Innovation projects: Projects should provide a mechanism for informing a wider audience of practitioners (e.g., teachers, faculty, guidance counselors, parents, etc.) about research findings and strategies for changing educational practice.
3. Extension Services: Projects should create a cadre of extension service agents through training and consulting services to inform educators and other practitioners about and enable them to adopt and embed proven gender-inclusive policies and practices in pedagogy, the design of curriculum materials, student support programs, educator and faculty development. Extension services employ a "train-the-trainer" model and are based on a "unified program of change" that includes research-based and evaluated educational practices.
4. Innovation through Institutional Integration (I3): These proposals would request support for projects that enable faculty, administrators, and others in institutions to think and act strategically about the creative integration of NSF-funded awards, with particular emphasis on awards managed through programs in the EHR, but not limited to those awards. For Fiscal Year 2009, proposals are being solicited in nine EHR programs that advance I3 goals: Centers of Research Excellence in Science and Technology (CREST), Research on Gender in Science and Engineering (GSE), Historically Black Colleges and Universities Undergraduate Program (HBCU-UP), Innovative Technology Experiences for Students and Teachers (ITEST), Alliances for Broadening Participation in STEM: Louis Stokes Alliances for Minority Participation (LSAMP), Math and Science Partnership (MSP), Robert Noyce Teacher Scholarship Program, Research in Disabilities Education (RDE), and Tribal Colleges and Universities Program (TCUP). The goal of I3 is to increase the knowledge of the process of institutional change required to achieve more equitable and inviting STEM educational environments in K-16.

For further information: <http://www.nsf.gov/pubs/2009/nsf09511/nsf09511.htm>

FINE ARTS

Program Challenge Fund

Public Broadcasting Service (PBS) Foundation

Deadline: August 6, 2009

The Program Challenge Fund (PCF) was created in 1987 to support high-visibility, primetime limited series and specials for the national public television schedule. The PCF is jointly managed by the Corporation for Public Broadcasting (CPB) and Public Broadcasting Service (PBS), which make funding decisions based on mutually established programming goals and objectives. The PCF will fully fund high-visibility, high-impact, limited series and feature-length documentaries that offer a definitive take on a subject or break new ground in popular, public service media.

Furthermore, to address industry-wide goals for development of digital content, PBS and CPB will dedicate PCF dollars to high-definition or standard-definition widescreen programs only, and recipients will be expected to deliver all digital content with the underlying rights.

For further information: <http://www.pbs.org/producers/funding.html>

NEA Access to Artistic Excellence FY2010, Deadline 2

National Foundation for the Arts and the Humanities

Deadline: August 13, 2009

The purpose of the Access to Artistic Excellence program is to encourage and support artistic excellence, preserve cultural heritage, and provide access to the arts for all Americans. This category supports projects that provide short-term arts exposure or arts appreciation for children and youth as well as intergenerational education projects.

Access to Artistic Excellence support is available in the following categories:

1. Artist Communities
2. Dance
3. Design
4. Folk and Traditional Arts
5. Literature Local Arts Agencies
6. Media Arts: Film/Radio/Television
7. Museums
8. Music Musical Theater
9. Opera
10. Presenting
11. Theater
12. Visual Arts

Under these guidelines, funding is available for projects only. A project may consist of one or

more specific events or activities; it may be a part of an applicant's regular season or activities. Organizations that undertake a single short-term project in a year - a 10-day jazz festival, for example - could apply for that event, or they could identify certain components (such as the presentation of a key artist and the associated activities) as their project. Applicants must describe the activities for which Arts Endowment support is requested, and provide specific information on the artists, productions, venues, distribution plans, etc., that will be involved.

Organizations may apply for any or all phases of a project, from its planning through its implementation. A project does not have to be new. Excellent existing projects can be just as competitive as new activities. Projects do not need to be large. The Arts Endowment welcomes small projects that can make a difference in a community or field.

For further information:

<http://www07.grants.gov/search/search.do;jsessionid=MfykJILP2j27nJw8fMMWbnpWW2DhQ6qNwv7sXY5pknMzgbxJCMLQ!-1026671073?oppId=46777&flag2006=false&mode=VIEW>

The Arts on Radio and Television

National Foundation for the Arts and the Humanities

Deadline: September 3, 2009

Through this category the National Endowment for the Arts seeks to make the excellence and diversity of the arts widely available to the American public through nationally distributed television and radio programs. Grants are available to support the development, production, and national distribution of radio and television programs on the arts. Priority will be given to artistically excellent programs that have the potential to reach a significant national audience, regardless of the size or geographic location of the applicant organization.

Only programs of artistic excellence and merit, in both the media production and the subject, will be funded. Projects may include high profile multi-part television and radio series, single documentaries, performance programs, or arts segments for use within an existing series. Programs may deal with any art form (e.g., visual arts, music, dance, literature, design, theater, musical theater, opera, film/video/audio art, folk & traditional arts). Programs targeted to children and youth are welcome.

All phases of a project, including research and development, production, completion and distribution costs, are eligible for support. The NEA welcomes proposals that include ancillary activities that are intended to increase public knowledge, understanding, and access to the arts. Such activities might include the use of related radio and television programming; interactive websites; DVDs; streaming, video-on-demand, and podcasts; other digital applications; educational material; collaborations with arts organizations, educators, and community groups; video/audio distribution to schools, libraries, and homes; and other public outreach activities.

For further information: <http://www.arts.gov/grants/apply/RadioTV/index.html>

Fellowships to Assist Research and Artistic Creation

Guggenheim Memorial Foundation, John Simon

Deadline: September 15, 2009

The foundation offers fellowships to further the development of scholars and artists by assisting them to engage in research in any field of knowledge and creation in any of the arts, under the freest possible conditions and irrespective of race, color, or creed. The foundation provides fellowships for advanced professionals in all fields (natural sciences, social sciences, humanities, creative arts) except the performing arts. The foundation selects its fellows on the basis of two separate competitions, one for the United States and Canada, the other for Latin America and the Caribbean.

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

HUMANITIES

See also opportunities listed under MULTIPLE DISCIPLINES

Internships

Smithsonian Institution (SI); National Museum of American History

Deadline: July 15, 2009

The National Museum of American History internship program allows a diverse group of people with innumerable interests, strengths, and goals to encounter an educational environment where they can work with and learn from professionals and scholars in related areas of concentration. Internship opportunities are available in the following areas:

1. Archival Science

Interns assist in arranging and describing archival collections documenting primarily 19th- and 20th-century American music, material and pop culture, business, and technology. They may also serve as reference room assistants.

2. Curatorial Projects

Curatorial interns work alongside professional staff in the museum's Department of History. The department's research and collections document the breadth, depth, and complexity of the American people, from social, political, military, and cultural history to the history of science, medicine, and technology. Research sources include historical objects, oral histories, prints, photographs, and archives. Outside sources may include the Library of Congress, the National Archives, historical societies, and other government records. Interns will have opportunities to work on a variety of projects which may include research, exhibition, and/or collections-related activities, depending on the nature of the assignment.

3. Exhibition Design and Graphic Production

Interns focus on either two-dimensional or three-dimensional design to assist in the development, production, and installation of exhibitions.

4. Museum Management

Interns have the opportunity to acquire vital skills in museum and nonprofit management by assisting with an assortment of tasks in the museum's administrative offices.

5. Music Projects

Additional qualifications for all music internships are

- interest in and knowledge of jazz, both musical and historical;
- word processing and library research skills; and
- strong organizational, and communications skills.

6. Public Programs, Education, & Outreach

The Office of Public Programs (OPP) serves the museum's audiences both on- and off-site, through education, exhibition development, public programming (including hands-on spaces), visitor services, and evaluation. The office is actively involved in developing new ways to make history come alive through innovative outreach programs that will reach the widest possible number of visitors.

For further information: <http://americanhistory.si.edu/getinvolved/internprog.cfm>

Research Projects

Gerda Henkel Stiftung / Gerda Henkel Foundation

Deadline: July 31, 2009

The Gerda Henkel Foundation's funding activities concentrate basically on German and foreign academia in the following fields of historical humanities. Research projects in the following fields are supported in particular:

- History
- Prehistory and early history
- Archaeology
- Art history
- History of Islam
- Legal history

The foundation will also consider limited travel and material grants, funding for conferences, and publishing aid.

For further information: http://www.gerda-henkel-stiftung.de/foerderung-allgemein.php?nav_id=17&language=en

Project Grants

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

Deadline: September 1, 2009

The Wabash Center for Teaching and Learning in Theology and Religion provides these grants 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/default.aspx>

INTERNATIONAL AREA STUDIES

See also opportunities listed under HUMANITIES and MULTIPLE DISCIPLINES

Travel Grants

United States Indonesia Society (USINDO)

Deadline: Continuous. There are no deadlines - applications for travel grants are considered on a rolling basis.

The United States-Indonesia Society awards grants to fund travel to Indonesia or to the United States. These grants are awarded to promote academic and other exchanges between the two countries. USINDO Travel Grants are open to any person seeking to travel to Indonesia to conduct field research or other professional projects, including conferences.

The society particularly welcomes applications from graduate and undergraduate students who are interested in the social sciences - economics, history, political economy, government, international relations and religious studies. However, USINDO will seriously consider applications in any field of study.

For further information: <http://www.usindo.org/education/travelgrants.html>

Japanese Studies in the United States

Japan-United States Friendship Commission (JUSFC)

Deadline: August 1, 2009

The commission believes that American public understanding of Japan, as well as the close friendship between Japan and the United States, requires the development and strengthening of the next generation of American area specialists on Japan, trained to a high level of linguistic and disciplinary competence, and adequately represented in both the scholarly and non-academic professions. The commission therefore spends a large portion of its program budget on Japanese studies at American universities.

The commission's mandate, however, also specifies a broad internal distribution of Japanese

studies funds among graduate training, faculty development and research, language training, library support and general education. The commission has sought to identify the most important areas of need, and to emphasize projects of unusual significance and maximum nationwide impact. The commission will leave to other federal agencies those activities that are expressly and adequately funded in statutory programs of those agencies.

The commission wishes to assure the continued vitality and growth of basic national resources for the study of Japan. In its library support, the commission supports projects and organizations that help organize acquisitions of research materials on a national scale and help expand access to research materials in both printed and electronic format. In its support for language training, the commission will fund those institutional activities that promise the greatest national or regional return.

The commission's current mode of supporting scholarly research is through grants to the Social Sciences Research Council and the Association for Asian Studies, which organize peer review panels to review and select individual and group research project proposals for support with commission funds. Potential applicants should consult first with these organizations. The commission will consider collaborative research, general education projects and professional graduate school faculty and curriculum development projects in Japanese studies on a case-by-case basis.

The following project areas have been established:

1. Faculty Research
2. Library Support
3. Language Training
4. General Education
5. Professional Graduate School Faculty and Curriculum Development

For further information:

<http://www.jusfc.gov/currentprogramguidelines.asp?name=japanesestudies>

DAAD/AICGS Research Fellowship Program

American Institute for Contemporary German Studies (AICGS)

Deadline: August 31, 2009

This fellowship is designed to bring scholars and specialists working on Germany, Europe, or transatlantic relations to AICGS for research stays of two months each. Fellows will be expected to produce a short analytical essay that will be published on the AICGS website and distributed via the institute's bimonthly e-mail newsletter, *The AICGS Advisor*. For fellows producing research output of exceptional quality and interest, AICGS will provide opportunities for public presentations to the broader Washington policy community. Project proposals should address a topic closely related to one or more of the institute's three research and programming areas:

1. Business and economics
2. Foreign and domestic policy
3. Society, culture, and politics

Special consideration will be given to research projects addressing the institute's current and future project emphases within these areas. Projects should also be compatible with and supportive of the AICGS mission, which is to strengthen the German-American relationship in an evolving Europe and changing world. The institute produces objective and original analyses of developments and trends in Germany, Europe, and the United States; creates new transatlantic networks; and facilitates dialogue among the business, political, and academic communities to manage differences and define and promote common interests.

For further information: <http://www.aicgs.org/fellows/opps/daad.aspx>

MEDICINE & LIFE SCIENCES

See also opportunities listed under MULTIPLE DISCIPLINES

National Graduate Student Research Festival (NGSRF)

NIH

Deadline: July 1, 2009

The NIH National Graduate Student Research Festival (NGSRF) is an annual two-day event held on the main NIH campus in Bethesda, MD. This year's Festival, to be held on November 12 and 13, will introduce 200 advanced graduate students in the sciences to the NIH Intramural Research Program (IRP) with the aim of recruiting them to do postdoctoral training at the NIH. The NIH IRP is the world's largest institution focused exclusively on biomedical research. More than 1250 investigators work in laboratories located in Bethesda, Baltimore, and Frederick, MD; Research Triangle Park, NC; Phoenix, AZ; Detroit, MI; and Hamilton, MT. The 240 beds of the Mark O. Hatfield Clinical Research Center in Bethesda are devoted to clinical research. The IRP is particularly proud of the opportunities it provides to do translational and interdisciplinary research, its extensive resources, and the collaborative atmosphere.

For further information: <http://www.training.nih.gov/postdoctoral/ngsrf/>

Basic Clinical or Translational Adult Stem Cell Research (RFA 009-01)

Michael Jon Barlin Pediatric Lupus Research Program (RFA 009-02)

Lupus Foundation of America, Inc. (LFA)

Deadline: Binding Letter of Intent: July 3, 2009

Full Application: August 7, 2009

Basic Clinical or Translational Adult Stem Cell Research (RFA 009-01):

Award Amount: One, one-year grant of \$100,000, with the potential for a second year of funding.

Michael Jon Barlin Pediatric Lupus Research Program (RFA 009-02):

Award Amount: One, one-year grant of \$68,000, with a potential for second-year funding.

The Lupus Foundation of America, Inc. (LFA) is the foremost national nonprofit organization dedicated to finding the causes of and cure for lupus and providing services to people affected by lupus. Lupus is a complex disorder that continues to cause significant morbidity and mortality. Although basic science and therapeutic advances are being made, substantial work remains to fully understand the epidemiology, etiology, pathogenesis and clinical impact of these disorders. New diagnostic and prognostic tests, as well as directed therapeutic interventions, are still needed. The purpose of these RFA's is to accelerate research related to the causes, treatments, prevention and cure of lupus and to directly sponsor research to test new approaches and develop experimental prototypes. The LFA's research program is supported exclusively through donations from the LFA's constituent chapters, private foundations or corporations and the concerned public.

For further information:

http://www.lupus.org/webmodules/webarticlesnet/templates/new_researchlfa.aspx?articleid=1365&zoneid=31

Bone Marrow Failure (BMFRP) Hypothesis Development Awards

Department of Defense, Bone Marrow Failure Research Program

Deadline: Pre-Application: July 9, 2009

Full Proposal: July 30, 2009

This award supports the initial exploration of innovative, untested, novel, and potentially groundbreaking concepts in bone marrow failure research. Results of studies conducted through this award may provide the scientific rational upon which a new hypothesis can be based, or it should provide initial principles of an innovative hypothesis. Because this award is designed to provide investigators with the opportunity to pursue serendipitous observations, some gaps in supporting rational may exist due to lack of available information. The award mechanism is not intended to support ongoing work. The presentation of preliminary data is not required. The existence of substantial preliminary data suggests that the research would be more appropriately submitted to a different award mechanism.

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

Amyotrophic Lateral Sclerosis Therapeutic Development Awards

Department of Defense; Amyotrophic Lateral Sclerosis Research Program

Deadline: Required Pre-proposal: July 15, 2009

Invited Application: October 15, 2009

As the vision of the FY09 ALSRP is to improve treatments for ALS, the Therapeutic Development Award is being offered to support preclinical development of therapeutics for amyotrophic lateral sclerosis (ALS). Investigators are encouraged to undertake preclinical studies of novel and existing agents. The Therapeutic Development Award is restricted to research in ALS. The proposed studies are expected to be empirical in nature and product-driven, but may have a hypothesis-driven approach, provided the focus is on therapeutics. It is

anticipated that the agents and/or data generated from these awards will lead to the advancement of therapeutics for ALS. Studies focused on basic science research that will not directly inform therapeutic development do not meet the intent of the award mechanism. Additionally, clinical trials will not be allowed. Therapeutic Development Award proposals are limited to the areas of programmatic interest listed below.

- Development and/or validation of high-throughput screens to define targets with therapeutic potential or identify lead agents for ALS treatment and be an asset for the ALS research community;
- Validation or refinement of preclinical model systems to assess potential therapeutics may serve as an adjunct objective for studies proposed under this award mechanism, as they may also provide an improved tool for the ALS research community;
- Development of pharmacologic agents through the Adsorption, Distribution, Metabolism, Excretion and Toxicity (ADMET) phase;
- Design and implement production of therapeutics and/or delivery systems using current Good Manufacturing Practices (cGMP) for use in advanced preclinical and future clinical trials;
- Development of pharmacologic agents to the Investigational New Drug (IND) stage in order to initiate Phase 1 clinical trials *after* the award's completion.

For further information: <http://cdmrp.army.mil/funding/pdf/09alsrpreftable.pdf>

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (F32)

Department of Health and Human Services (HHS)

Deadline: August 8, 2009

The objective of the National Research Service Award (NRSA) F32 program is to provide support to promising postdoctoral applicants who have the potential to become productive and successful independent research investigators in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers (ICs).

The purpose of the National Research Service Award Act (NRSA) is to help ensure that diverse pools of highly trained scientists will be available in adequate numbers and in appropriate research areas to carry out the nation's biomedical, behavioral and clinical research agendas. The National Institutes of Health (NIH) awards individual postdoctoral fellowships (F32) to promising applicants who have the potential to become productive, independent investigators in fields related to the mission of participating NIH Institutes and Centers. The proposed postdoctoral training must be within the broad scope of biomedical, behavioral, or clinical research or other specific disciplines relevant to the research mission of the participating NIH Institutes and Centers. The proposed training must offer an opportunity to enhance the fellow's understanding of the health-related sciences and extend his or her potential for a productive research career.

The NRSA legislation requires that the nation's overall needs for biomedical research personnel be taken into account by giving special consideration to physicians and other health professionals who propose to become active biomedical researchers and who agree to undertake a minimum of

two years of biomedical, behavioral or clinical research. NIH recognizes the critical importance of training clinicians to become researchers and encourages them to apply. For those who have a research doctoral health professional degree, the proposed training may be used to satisfy a portion of the degree requirements for a master's degree, a doctoral degree or any other advanced research degree program. Individuals from diverse racial and ethnic groups and individuals with disabilities and individuals from disadvantaged backgrounds are always encouraged to apply for NIH support.

Postdoctoral applicants for this award must include a research training proposal that documents the need for the research training and the expected value of the proposed fellowship experience as it relates to the individual's goals for a career as an independent researcher.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-107.html>

Established Investigator Award

Melanoma Research Foundation

Deadline: August 10, 2009

The purpose of the Melanoma Research Foundation (MRF) Research Grant Program is to support promising medical research that will further the goal of developing an effective treatment and possible cure of malignant melanoma, while encouraging scientists and clinicians to join in this mission.

The foundation funds both junior and senior researchers. In both grant programs, emphasis will be placed on projects that explore innovative approaches to understanding melanoma and its treatment. Both basic and clinical research projects will be considered.

Senior awards (Established Investigator Grant) will be given to established melanoma researchers, or senior researchers working in closely related fields who wish to move into melanoma research.

For further information: <http://www.melanoma.org/background.aspx>

Small Grants for Behavioral Research in Cancer Control (R03)

Department of Health and Human Services (HHS)

Deadline: August 20, 2009

This Funding Opportunity Announcement (FOA) is intended to provide support for either new investigators in cancer-related behavioral research or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development

aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.

For further information: <http://grants.nih.gov/grants/guide/pa-files/PA-09-003.html>

Health Care Delivery and Policy Research (HCDPR) Contracts

National Multiple Sclerosis Society (NMSS)

Deadline: September 1, 2009

Each year the NMSS invites applications to its HCDPR program. Projects will be supported that address current priorities in the organization, funding, quality, outcomes, and costs of multiple sclerosis care. The ultimate purpose is to provide results that can be influential in improving government and private sector policies, service, and benefit programs nationwide.

The contract priorities for FY 2009 are as follows:

1. Comprehensive analysis of the direct and indirect costs of multiple sclerosis
2. Study of children and teens of parents with MS
3. Unmet needs for specialized housing among persons with MS
4. Analysis of the MS physician workforce
5. Investigator initiated health policy studies in multiple sclerosis (Topics include but are not limited to studies of the organization, quality, and financing of health care; development and testing of methodologies to evaluate the outcome of care; coding and reimbursement issues; issues pertinent to subgroups of MS patients; and evaluation of innovative models of care.)

For further information:

http://www.nationalmssociety.org/site/PageServer?pagename=HOM_RES_research_rfp

Biomedical Engineering (BME) Program

National Science Foundation (NSF)

Deadline: September 15, 2009

The mission of the BME program is to provide opportunities to develop novel ideas into discovery-level and transformative projects that integrate engineering and life science principles in solving biomedical problems that serve humanity in the long-term and to advance both engineering and life sciences with biomedical engineering projects that are at the interface of engineering and biomedical sciences. The BME program supports fundamental, transformative, and discovery research applied to biological systems.

The BME projects must

- be fundamental, transformative, and discovery research;
- develop novel ideas integrating engineering and life science principles in solving biomedical problems that serve humanity in the long-term;
- focus on high impact transforming methods and technologies and include (1) methods, models, and tools of understanding and controlling of living systems; (2) fundamental improvements in

deriving information from cells, tissues, organs, and organ systems; (3) new approaches to the design of structures and materials for eventual medical use; (4) information technology relevant to biotechnology including bioinformatics; and (5) new novel methods of reducing health care costs through new technologies;

- emphasize the advancement of fundamental engineering knowledge, possibly leading to the development of new methods and technologies in the long-term;
- emphasize novel application of existing technologies to advance fundamental knowledge of both engineering and life sciences;
- highlight multidisciplinary nature, integrating engineering and the life sciences;
- balance theory, mathematical modeling, and experiment; and
- advance both engineering and life sciences at the discovery-level.

The BME program supports projects in the following BME themes:

1. Neural engineering (brain science, computational neuroscience, neurotech, cognitive engineering)
2. Computational modeling, multiscale modeling, biocomplexity
3. Cardio/pulmonary systems engineering
4. Gene and drug delivery systems
5. Cellular and tissue engineering (cellular biomechanics, genetically engineered stem cell differentiation with long-term impact in tissue repair and regenerative medicine)
6. Biomaterials and biomimetics

Integration of engineering expertise with life science principles is an essential requirement for advances in this field. Projects submitted to the BME program must advance both engineering and life sciences and be at the interface of engineering and life sciences. The projects can have diagnosis or treatment-related goals in the long-term. The BME program does not support clinical studies. The long-term impact of the projects can be related to disease diagnosis and/or treatment, improved health care delivery, or product development.

For further information:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501023&org=CBET

Undergraduate Research and Mentoring in the Biological Sciences (URM) - NSF 06-591

National Science Foundation (NSF)

Deadline: September 15, 2009

The goal of the URM program is to increase the number and diversity of individuals pursuing graduate studies in all areas of biological research supported by the DBI. Support will be provided to academic institutions to establish innovative programs to engage undergraduates in a year-round research and mentoring activity. Particular emphasis will be placed on broadening participation of members of groups historically underrepresented in science and engineering: African Americans, Alaska Natives, American Indians, Hispanic Americans, Native Pacific Islanders, and persons with disabilities.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=500036

PHYSICAL SCIENCES & MATHEMATICS

See also opportunities listed under MULTIPLE DISCIPLINES

Earth Sciences: Instrumentation and Facilities (EAR/IF)

National Science Foundation

Deadline: July 8, 2009

The Instrumentation and Facilities Program in the Division of Earth Sciences (EAR/IF) supports meritorious requests for infrastructure that promotes research and education in areas supported by the Division. EAR/IF will consider proposals for:

1) ***Acquisition or Upgrade of Research Equipment*** that will advance laboratory and field investigations, and student research training opportunities in the Earth sciences. The maximum request is \$750,000. The maximum request for upgrade of research group computing facilities is \$75,000;

2) ***Development of New Instrumentation, Analytical Techniques or Software*** that will extend current research and research training capabilities in the Earth sciences. The maximum request is \$750,000;

3) ***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;

4) ***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.

5) ***Support for Early Career Investigators*** to facilitate expedient operation of new research infrastructure proposed by the next generation of leaders in the Earth Sciences. This opportunity allows for submission of a proposal for ***Acquisition or Upgrade of Research Equipment*** that includes budget line items associated with support of a new full-time technician who will be dedicated to manage the instrument(s) being requested. Any request for technical support under this opportunity is limited to three years duration and a declining schedule of maximum annual funding as follows: Year 1 = \$80,000, Year 2 = \$60,000 and Year 3 = \$40,000.

Planned research uses of requested instruments, software, facilities, and cyberinfrastructure must include basic research on solid-Earth and surface-Earth processes.

For further information:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6186&govDel=USNSF_39

Recovery Act: Regional Sequestration Technology Training DE-FOA-0000080

National Energy Technology Laboratory

Deadline: July 22, 2009

Grant applications that develop regional sequestration technology training to facilitate transfer of knowledge and technologies required for site development, operations, and monitoring of commercial CCS projects. This training will focus on the applied engineering and science of CCS for site developers, geologists, engineers, and technicians. In addition, these training activities will provide a technology transfer platform for CO₂ sequestration related technology information and insights on a basin scale level to the sequestration industry in a concise, meaningful format that stimulates timely, informed technology decisions.

This regional CO₂ sequestration technology training will advance the United States in its position as the leader in technology for addressing climate change and for developing near-zero emission technologies to significantly reduce CO₂ emissions from power plants. Development of this training will make a vital contribution to the scientific, technical, and institutional knowledge necessary to establish frameworks for the development of commercial CCS projects. This training will produce the workforce necessary for the CCS industry with skills and competencies in geology, geophysics, geomechanics, geochemistry and reservoir engineering disciplines.

Grant applications are sought to facilitate development of a CCS workforce through regional CO₂ sequestration technology training in all aspects of long-term, underground CO₂ storage. These training activities will provide a technology transfer platform for their region by providing CCS related technology information and insights to the CCS industry in a concise, meaningful format that stimulates the development of scientists, engineers, and field service personnel to support a commercial CCS industry. Technology transfer and training topics shall include but is not limited to project development, resources assessment, site characterization, permitting, well drilling and completion only as it differs from that used in oil and gas extraction, reservoir engineering, CO₂ injection, CO₂ monitoring activities, geochemical and mechanical impacts, and project assessment.

For further information:

https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

Recovery Act: Geothermal Technologies Program

U.S. Department of Energy; Golden Field Office

Deadline: July 22, 2009

The U.S. Department of Energy's (DOE) Geothermal Technologies Program (GTP) intends to continue its partnership with the geothermal community on geothermal systems research, exploration, demonstration, and development throughout the United States. This three-topic FOA will focus on areas associated with geothermal energy as outlined in the Energy Independence and Security Act of 2007 (EISA), Sections 613 and 616. This FOA will also address section 931(a)(2)(C) of the Energy Policy Act (EPAct) of 2005. Funding will be made available through the American Recovery and Reinvestment Act of 2009.

Topic Area 1: Validation of Innovative Exploration Technologies

EISA Section 613 addresses the demonstration of innovative site characterization and/or drilling exploration technologies. GTP's goal is to reduce the high level of risk during the early stages of geothermal project development by funding the validation of innovative exploration activities to locate undiscovered geothermal systems and increase the reliability of site characterization to prioritize target sites for energy production.

Topic Area 2: Geothermal Energy Production from (A) Low Temperature Resources, (B) Coproduced Fluids from Oil and Gas Wells, and (C) Geopressured Resources

EISA Section 616 addresses geothermal energy production from oil and gas fields as well as the recovery and production of geopressured resources, while EPCA 2005 Section 931(a)(2)(C) includes authorization for geothermal energy production from low temperature geothermal resources. GTP's goal is to demonstrate the technical and economic feasibility of geothermal energy production from these non-conventional geothermal resources

Topic Area 3: Geothermal Data Development, Collection, and Maintenance

EPCA 2005 Section 931(a)(2)(C) includes authorization for continued data submission to the National Geothermal Data System (NGDS) created from Funding Opportunity Announcement DE-PS36-08GO98020. GTP's goal is to develop, collect, and maintain data for the entire United States (i.e., the 50 states, the District of Columbia, and the territories and commonwealths of the U.S.) for the NGDS in order to make geothermal data available to the public and reduce the risk associated with the initial stages of geothermal project development.

The Program seeks to maintain an aggressive schedule for project completion as well as the creation and maintenance of jobs. Applications with more aggressive schedules for completion, greater number of jobs created, cost share above the minimum level required, and cooperation between industry, accredited educational institutions, and/or Indian Tribes/Native Corporations may be given greater consideration.

For further information:

https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

Recovery Act: High Penetration Solar Deployment DE-FOA-0000085

U.S. Department of Energy; Golden Field Office

Deadline: July 30, 2009

The objectives of this FOA are to 1) develop the needed modeling tools and database of experience with high penetration scenarios of PV on a distribution system, 2) develop monitoring, control and integration systems to enable cost-effective widespread deployment of small modular PV systems and 3) demonstrate the integration of PV and energy storage into Smart Grid applications. This will accelerate the placement of high levels of PV penetration into existing or newly designed distribution circuits. The achievement of these goals will facilitate increased growth of grid-tied PV installations, thus supporting the SETP's mission to accelerate widespread commercialization of clean solar energy technologies in the United States (U.S.).

Successful implementation of the objectives requires both modeling tools and actual performance and validation data. Therefore, this FOA seeks projects for activities in four (4) topic areas:

Topic Area 1: Improved Modeling Tools Development

Topic Area 2: Field Verification of High-Penetration Levels of PV into the Distribution Grid

Topic Area 3: Modular Power Architecture

Topic Area 4: Demonstration of PV and Energy Storage for Smart Grids

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=47579>

**Recovery Act: Site Characterization of Promising Geologic Formations for CO₂ Storage
DE-FOA-0000033**

National Energy Technology Laboratory

Deadline: August 3, 2009

The purpose of this FOA is to focus on regional site characterization of a minimum of 10 distinct “high-potential” (described in the next paragraph) geologic formations. Geologic storage formations can be saline formations, depleting/depleted oil fields, or coals seams. Each application submitted in response to this FOA should focus on a minimum of one specific site, formation, or area not previously characterized with public data, unless a strong case can be made for further characterization for deficiencies in the available data sets. It is anticipated that a minimum of 10 awards will be made, for a total site characterization of a minimum of 10 distinct “high-potential” geologic formations. It is expected that these characterization projects will increase our understanding of the potential for these formations to safely and permanently store CO₂.

To be a distinct “high-potential” geologic formation, the target formation should be representative of the regional geology that could be used to store CO₂ emissions from sources where CO₂ could be captured and economically transported. The site should have the potential to store at least 30 million tons of CO₂ and should be able to accept CO₂ from a large commercial source over the lifetime of the source. The formation should represent a significant storage opportunity in the region with appropriate structure and geology (seals) to protect against adverse impacts on the overlying formation or risks to Underground Sources of Drinking Water (USDW) and the surface. The Applicant must demonstrate to DOE that the formation is a significant CO₂ storage site (sink) in the region that could be developed commercially in the future. The Applicant will be required to provide a description of the sink, seals, and the expected capacity. If stacked reservoirs (where multiple oil reservoirs, brine-filled formations, and/or coal seams are available for storage) are planned to be characterized for the project, the regional potential estimates should include a discussion of the extent and representativeness of the stacked geology.

The objectives of this FOA are to develop comprehensive data sets of formation characteristics (porosity, permeability, injectivity, mineralogy, saturations (if applicable), reservoir architecture, cap rock integrity, etc.); to determine usefulness of potential geologic storage sites; to augment existing data sets and refine best practices for approving storage site selection; and to

characterize a minimum of 10 distinct “high-potential” geologic formations or reservoirs. Geologic formations to be evaluated may include saline formations, depleting/depleted oil fields (but not specifically or primarily for the purpose of Enhanced Oil Recovery), or coal seams. The formation selected for characterization should represent a significant storage opportunity in the region with adequate seals to protect against adverse impacts on the overlying formation or risks to Underground Sources of Drinking Water (USDW) and the surface. The projects will also support the President’s Energy Goals: develop and deploy near zero emission coal technologies; make the U.S. a leader on climate change; transfer Carbon Capture and Sequestration (CCS) technology globally; reduce our greenhouse gas emissions 80 percent by 2050; and increase CCS technology funding.

It is encouraged for Applicants to utilize the experience and expertise of U.S. State Geologic Surveys. It is desirable for applications to build upon the research and development already accomplished under the DOE’s carbon sequestration activity (administered by the National Energy Technology Laboratory, or NETL), and the Applicant should include details on how this would be accomplished. In addition, projects selected for negotiations leading to award will be required to coordinate with the RCSPs and the National Carbon Sequestration Database and Geographical Information System (NATCARB) to provide data acquired during the project to the NATCARB database. The Applicants should include appropriate task(s) with initial plans in their application for these collaborations and appropriate details of these tasks will be worked out during award negotiation.

<http://www07.grants.gov/search/search.do;jsessionid=2NXnK2TLnzmZhmfMdxBZWhH7VfL2QFMJT6f4zND2r5vhYf25lTrR!1215949849?oppId=47722&flag2006=false&mode=VIEW>

Recovery Act – Geothermal Technologies Program: Ground Source Heat Pumps DE-FOA-0000116

U.S. Department of Energy; Golden Field Office

Deadline: August 6, 2009

The U.S. Department of Energy (DOE) Geothermal Technologies Program (GTP) will address Section 931(a)(2)(C) of the Energy Policy Act (EPAct) of 2005, which includes authorization to promote the deployment of ground source heat pumps, also known as geothermal heat pumps (GHPs). Funding will be made available through the American Recovery and Reinvestment Act of 2009. Through this FOA, DOE seeks to increase the deployment of ground source heat pumps through new commercialization strategies that incorporate: 1) innovative commercial-scale or residential community technology demonstration projects; 2) data gathering and analysis related to system costs, performance, and installation techniques; and 3) a national GHP certification standard. These strategies should address key barriers that have prevented this technically-mature technology from reaching its full commercial potential, including the high cost of installation, limited consumer knowledge and trust in GHP systems, and the lack of business and financing approaches to deliver the technology in a cost-effective and ubiquitous manner in the marketplace.

DOE's objective in offering this FOA is to promote ground source heat pumps via the following three Topic Areas:

- 1. Technology Demonstration Projects:** DOE will fund mid- or large-scale (**i.e., provide 50-100 tons of heating and/or cooling**) cost-shared technology demonstration projects that incorporate innovative business and financing strategies and/or technical approaches designed to overcome commercialization barriers that currently exist for GHPs. These projects should also include a data gathering, analysis and reporting component, to provide hard data on system performance and benefits, installation techniques and other best practices. The data generated from these projects will be presented via the GTP website or other means and made available to aid consumers in their purchase decisions. Please see pages 3, 4 and 5 for more detail.
- 2. Data Gathering and Analysis:** DOE will fund data gathering and analysis research papers related to system costs, performance, and installation techniques which will provide insights into the lowest life-cycle cost applications for GHPs and assist consumers in determining project feasibility. Proposed projects should include collaboration with industry, academia and National Laboratory partners to assemble independent, statistically valid data on the costs and benefits of GHPs in a variety of building applications to target those that are most cost effective from a life cycle standpoint. Projects should include modeling of system performance and cost benefits for a variety of system designs and applications, from small residential to large district heating systems, and identify GHP applications based on lowest life cycle cost. Please see page 5 for more detail.
- 3. National Certification Standard:** DOE will fund organization(s) to create a national certification standard for the GHP industry designed to increase consumer confidence in the technology, reduce the potential for improperly installed systems, and assure product quality and performance. Projects should solicit information and input from a variety of industry stakeholders, manufacturers, professional and trade organizations to develop a certification standard for all primary personnel involved in the installation of GHP systems, including drillers; plumbers and electricians; Heating, Ventilating, and Air Conditioning (HVAC) and refrigeration specialists; engineers; and architects. **This Topic Area does NOT include the development of curriculum, training, or certification programs.** Please see page 6 for more detail.

The Program seeks to maintain an aggressive schedule for project completion as well as the creation and maintenance of jobs. Applications with more aggressive schedules for completion, greater number of jobs created, cost share above the minimum level required, and cooperation between industry, accredited educational institutions, and/or Indian Tribes/ Tribal Energy Resource Development Organizations or Groups may be given greater consideration.

For further information:

https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

Sedimentary Geology and Paleobiology - NSF 09-560

National Science Foundation (NSF)

Deadline: August 7, 2009

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

For further information: <http://www.nsf.gov/pubs/2009/nsf09560/nsf09560.htm>

Biotechnology, Biochemical, and Biomass Engineering (BBBE)

National Science Foundation (NSF)

Deadline: September 15, 2009

The BBBE program deals with fundamental problems involved in the processing and manufacturing of products of economic importance by effectively utilizing renewable resources of biological origin and bioinformatics originating from genomic and proteomic information.

The BBBE program emphasizes basic engineering and biological research that advances the fundamental knowledge base that contributes to a better understanding of cellular and biomolecular processes (in vivo, in vitro, and/or ex vivo) and eventually to the development of generic enabling technology and practical application.

Quantitative assessments of bioprocesses and their rates at the levels of gene regulation and expression, signal transduction pathways, posttranslational protein processing, enzymes in reaction systems, metabolic pathways, cells and tissues in cultivation, and biological systems including animal, plant, microbial and insect cells, etc. are considered vital to the successful research projects in the BBBE program.

Research projects supported through the BBBE program include, but are not limited to,

- fermentation technology;
- enzyme technology;
- recombinant DNA technology;
- cell culture technology;
- ex vivo and therapeutic stem cell culture technology;
- metabolic engineering;

- tissue engineering;
- nanobiotechnology;
- quantitative systems biotechnology;
- biosensor development; and
- food processing with special focus on the safety of the nation's food supply.

For further information:

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501024&org=CBET

SOCIAL SCIENCES

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

Social Sciences and Policy

SPSSI Council

Deadline: July 15, 2009

We are pleased to inform you that SPSSI Council has approved support for a one-time initiative to fund up to three special projects consistent with SPSSI's priorities as described in our Strategic Plan (<http://www.spssi.org/strategicplan>). At a time of economic challenges and tight foundation and federal research funds, we believe it is critical that SPSSI be a source of support for research programs that are less likely to receive funding from more traditional mechanisms.

Competitive responses to this RFA can include a range of research methods, and a broad range of content areas. However, with respect to the latter, there is a strong preference for topics that are timely, unlikely to be funded through traditional mechanisms, and relevant to public policy.

Types of proposals that would be competitive might include ***but are not limited to:***

1. Critical literature reviews of a timely topic with opportunity for publication in ASAP (assuming that peer review is positive) or other key journals, as well as a concise translation into a series of policy papers.
2. Focus groups on current topic that could be used as pilot data for a larger, fundable project through traditional competitive mechanisms.
3. Observational study of the impact of current events and/or policies on outcomes relevant to SPSSI's mission.
4. Development and evaluation of a novel curriculum relevant to SPSSI's mission to be shared with SPSSI members and other professionals.

For further information:

<http://www.spssi.org/index.cfm?fuseaction=Page.ViewPage&PageID=1188>

Political Science Program

National Science Foundation (NSF)

Deadline: August 15, 2009

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

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5418

Junior Faculty Development Program (JFDP)

American Councils for International Education - ACTR/ACCELS

Deadline: Eurasia: August 7, 2009

South East Europe: August 21, 2009

The program provides university instructors with a semester-long opportunity to expand knowledge and expertise in their academic field by attending classes and working with faculty members at universities in the United States. Individuals may apply for fields in the humanities and social sciences. Eligible social sciences and humanities fields for the competition:

American studies; architecture and urban planning; fine arts/arts management; business administration; cultural anthropology; economics; education administration; environmental studies; history; international affairs; journalism; law; library science; linguistics; literature; peace and conflict resolution studies; philosophy; political science; psychology; public administration; public health; public policy; religious studies; social work; and sociology.

For further information: http://www.jfdp.org/f_apply.php

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

National Science Foundation (NSF)

Deadline: September 3, 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

MULTIPLE DISCIPLINES

Recovery Act Limited Competition: Small Business Catalyst Awards for Accelerating Innovative Research (R43) RFA-OD-09-009

National Institutes of Health

Deadline: August 3, 2009

This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery & Reinvestment Act of 2009 (“Recovery Act” or “ARRA”), Public Law 111-5, invites grant applications from small business concerns that propose to accelerate innovation through high risk, high reward research and development (R&D) that has commercial potential and is relevant to the mission of the NIH. The Small Business Catalyst Award is further expected to support entrepreneurs of exceptional creativity, drawn from scientific and technological environments beyond NIH, who propose pioneering and possibly transformative approaches to addressing major biomedical or behavioral challenges with the potential for downstream commercial development. The Small Business Catalyst Award for Accelerating Innovative Research funding opportunity seeks to encourage fresh research perspectives and approaches to serve the mission of NIH. In particular, applications from small business concerns without a history of NIH Small Business Innovation Research (SBIR) or Small Business Technology Transfer (STTR) support may receive funding priority. Solicited are applications for support for projects that have the potential to generate high impact results (e.g., products, processes or services) and/or innovative research applications, research tools, techniques, devices, inventions, or methodologies. The outcomes of the research supported should have potential to lead to products that will improve public health and create significant value and economic stimulus. This FOA solicits early-stage ideas that promise to lead to major leaps forward in capabilities important to serving the mission of NIH rather than incremental improvements of existing technologies. In accord with the funding priority of this initiative to

attract applicants without a history of SBIR/STTR support from NIH, the focus of the projects solicited by this FOA is on early stage technology development.

For further information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-09-009.html>

Grants

Hadassah Foundation

Deadline: August 4, 2009

The purpose of the grant program is to refocus the priorities of the Jewish community through innovative and creative funding for women and girls in the United States and Israel. Its mission is to

- improve the status, health and well being of women and girls;
- bring their contributions, issues, and needs from the margins to the center of Jewish concern; and
- encourage and facilitate their active participation in decision-making and in leadership in all spheres of life.

>Grants focus on gender-sensitive, social change projects that encourage self-confidence, leadership skills, and healthy lifestyle choices among adolescent girls and young women in the Jewish community; and provide awareness building/training for influential adults (parents, teachers, other mentors) in the lives of adolescent girls and young women aged 12-26.

Innovative projects should be in one or more of the following areas:

1. Programs for adolescent girls (aged 12-18)
2. Programs for college-age women (aged 18-22)
3. Programs for recent college graduates and young working women (aged 22-26)
4. Training for professional staff and volunteers who work with adolescents
5. Programs to help parents and other influential adults understand and respond to the needs of adolescent girls and young women
6. Application of a gender lens to existing single-sex and co-ed programs

For further information:

<http://hadassah.org/pageframe.asp?section=about&page=foundation/foundation.html&header=hadfoundation&size=50>

Decision, Risk, and Management Science (DRMS)

National Science Foundation (NSF)

Deadline: August 18, 2009

The program supports scientific research directed at increasing the understanding and effectiveness of decision making by individuals, groups, organizations, and society. Disciplinary and interdisciplinary research, doctoral dissertation research, and workshops are funded in the areas of judgment and decision making; decision analysis and decision aids; risk analysis,

perception, and communication; societal and public policy decision making; management science; and organizational design. The program also supports small grants for exploratory research of a time-critical nature, such as decision making in response to extreme events. Funded research must be relevant to an operational or applied context, grounded in theory, and generalizable.

For further information: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5423

ACLS Fellowships

American Council of Learned Societies (ACLS)

Deadline: September 30, 2009

The program invites research applications in all disciplines of the humanities and humanities-related social sciences. The ultimate goal of the project should be a major piece of scholarly work by the applicant. ACLS does not fund creative work (e.g., novels or films), textbooks, straightforward translation, or pedagogical projects. 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.

For further information: <http://www.acls.org/grants/Default.aspx?id=380>