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Focus On Funding is published by SDSU Research Foundation as a service to San Diego State University faculty and staff.

Additional information about the opportunities described in this publication can be obtained by contacting the [Office of Communications](#) at 594-2458.

Comments and suggestions are welcome and may be sent to jseal@foundation.sdsu.edu.

Notices

Reminder! Submit Your Proposals Early!

In anticipation of the large volume of proposals being submitted in response to the American Recovery & Reinvestment Act of 2009 funding opportunities, SDSU Research Foundation strongly urges faculty who are submitting proposals to have their final, completed proposals ready *5 days ahead of the deadline*.

Please notify your Development Specialist as soon as possible if you intend to apply. If you are unsure of the development specialist assigned to you, please see the Sponsored Research Development staff list on the [SDSU Research Foundation website](#) or call 594-5731.

SDSURF Hosts Department of Education's Institute of Education Sciences Webinar

The National Center for Special Education Research (NCSE) and the National Center for Education Research (NCER) within the Institute of Education Sciences (IES) will hold a series of webinars related to research funding opportunities this month. IES funds hundreds of research studies on ways to improve academic achievement, conducts large-scale evaluations of federal education programs, and reports a wide array of statistics on the condition of education. The goal of IES is to provide evidence on which to ground education practice and policy to improve the outcomes of education for all students, particularly those at risk of failure.

SDSU Research Foundation will host the following informational IES webinar. If you would like to participate, please contact Jonathan Florendo (jflorendo@foundation.sdsu.edu; 4-4635) as soon as possible to reserve a seat. The webinar will be held in the Gateway Center, and the room location will be provided upon reservation.

Cognition and Student Learning

Wednesday, May 27, 2009, 10:00-11:30 a.m.

During the webinar, IES staff will provide an overview of the Cognition and Student Learning research programs, the IES goal structure, and peer review process. This session is intended for researchers who are unfamiliar with the Cognition and Student Learning research programs and, in particular, will highlight IES's interest in supporting cognitive research to improve instruction in education.

National Academies Partners with Google to Digitize Collection of Reports

The National Academies, which houses The National Academy of Sciences, National Academy of Engineering, Institute of Medicine, and National Research Council, recently announced the completion of the first phase of a partnership with Google to digitize the library's collection of reports from 1863 to 1997, making them available – free, searchable, and in full text – through Google Book Search. The Academies hope that wider availability of its reports will be of use to scientists, as well as researchers and historians. Notable reports from the library's archives that are now available include:

- [PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES](#), Vol. 1 (1863–1894). This was the first NAS publication series, and it includes information about the Academy's early work for the government on topics such as how to prevent compass deviation which sent iron warships off course, whether the metric system of weights and measures should be adopted, and how the new U.S. Geological Service should be organized.
- [INVESTIGATION OF THE SCIENTIFIC AND ECONOMIC RELATIONS OF THE SORGHUM SUGAR INDUSTRY](#) (1882). This report was the Academy's first self-initiated study, produced by the first committee to include non-Academy members.
- [PROPOSED U.S. PROGRAM FOR THE INTERNATIONAL GEOPHYSICAL YEAR, 1957-1958](#). American participation in the International Geophysical Year – a historic, worldwide scientific effort that investigated the workings of the Earth and saw the launch of the first satellites – was guided and coordinated by a committee of the Academy.
- [THE POLAR REGIONS AND CLIMATIC CHANGE](#) (1984) Changes in Earth's polar regions are widely covered in the news today, but the Academies have been studying this phenomenon for more than 20 years.

More information is available in the [press release](#) and on [Google Book Search](#).

NSF, USDA, and the Army Research Office Announce Release of Research.gov

The National Science Foundation, U.S. Department of Agriculture, and Army Research Office recently released Research.gov's grantee services, which can be used to check the up-to-date status of grant applications submitted to these organizations. Services include, but are not limited to:

- Research Spending and Results
- Grants Application Status
- Institution and User Management
- Federal Financial Report

Research.gov enables researchers to access streamlined research grants management services and other resources for multiple federal agencies in one location. Led by NSF, Research.gov is a modernization of FastLane that provides a menu of services tailored to meeting the unique needs of the research community. More information and Research.gov services are accessible through the website: <http://www.research.gov>.

Obama Signs Serve America Act

Recently, the president and vice president met with Senator Ted Kennedy and former President Bill Clinton to discuss their shared commitment to national service. President Obama called on people across the country to serve their communities, before signing the bipartisan Edward M. Kennedy Serve America Act, which authorizes \$5.7 billion over the next three years to dramatically increase funding for AmeriCorps and other volunteer programs, including those for seniors and veterans. More information is available [online](#).

Features

National Institutes of Health – Exploratory/Developmental Research Grant Program (Parent R21)

The NIH Exploratory/Developmental Grant mechanism was designed to encourage exploratory and developmental research by providing support for the early and conceptual stages of research projects. Studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research. All investigator-initiated exploratory/developmental grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests:

http://grants.nih.gov/grants/guide/contacts/pa-09-164_contacts.htm. Up to \$275,000 over a two-year period will be awarded under this mechanism. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-164.html>. **Deadlines: June 16; October 16; February 16**

National Institutes of Health – Small Research Grant Program (Parent R03)

The NIH Small Research Grant Program supports small research projects that can be carried out in a short period of time with limited resources. The program supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. Investigators are strongly encouraged to consult the list of participating ICs and special research interests: http://grants.nih.gov/grants/guide/contacts/pa-09-163_contacts.htm. Up to \$100,000 will be awarded over a two-year period. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html>. **Deadlines: June 16; October 16; February 16**

National Science Foundation - Informal Science Education

The purpose of the Informal Science Education (ISE) program is to promote lifelong learning of Science, Technology, Engineering, and Mathematics (STEM) in a wide variety of informal settings. The program supports projects that will: advance understanding of informal STEM learning; develop and implement innovative strategies and resources for informal STEM education; and build the national professional capacity for research, development, and practice in the field. There are five categories of ISE program grants: Research; Pathways; Full-Scale Development; Broad Implementation; and Communicating Research to Public Audiences. \$25 million is available for approximately six Research, six Pathways, 20 Full-Scale Development, three Broad Implementation, and five Communicating Research to Public Audiences awards. For Communicating Research to Public Audiences projects, the PI must hold an active NSF-funded research award in any NSF directorate or program. The solicitation is available at http://www.nsf.gov/pubs/2009/nsf09553/nsf09553.htm?govDel=USNSF_25. **Deadlines: June 25 (preliminary proposals); November 19 (full proposals)**

(Continued)

Grant Opportunities

Arts, Humanities, & Social Sciences

Administration for Children and Families - Mentoring Children of Prisoners

ACF is seeking applications supporting the creation and maintenance of one-on-one mentoring relationships between children of incarcerated parents and caring, supportive adult volunteer mentors. The intent of this program is to support the establishment or expansion and operation of mentoring programs, using a network of public and private community entities, in areas with substantial numbers of children of incarcerated parents. Approximately \$9 million will be available to fund up to 70 awards. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://www.acf.hhs.gov/grants/open/HHS-2009-ACF-ACYF-CV-0022.html>.

Deadline: June 19

Administration for Children and Families - National Quality Improvement Center on the Representation of Children in the Child Welfare System

ACF is inviting applications to establish a National Quality Improvement Center (QIC) to generate and disseminate knowledge on the representation of children and youth in the child welfare system. The QIC will work to improve the quality and quantity of competent representation for children and youth in child welfare cases so that states and tribes achieve the best safety, permanency and well-being outcomes for these children and youth. Approximately \$1 million is available to support one award. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at

<http://www.acf.hhs.gov/grants/open/HHS-2009-ACF-ACYF-CO-0077.html>. **Deadline: June 8**

Administration for Children and Families - Street Outreach Program

ACF is seeking applications to assist young people in relocating from the streets to stable housing situations and in making other healthy personal choices regarding where they live and how they behave. The program seeks to promote grantee efforts to build relationships between street outreach staff and runaway, homeless, and street youth. These relationship-building efforts are conducive to providing effective, supportive services that will assist youth in moving and adjusting to safe and appropriate alternative living arrangements and in becoming independent, self-sufficient, contributing members of society. Approximately \$5 million is available to support 50 awards. *Cost-sharing is required for this program. Please contact your associate dean if you plan to apply. And please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://www.acf.hhs.gov/grants/open/HHS-2009-ACF-ACYF-YO-0024.html>. **Deadline: June 8**

American Hotel and Lodging Educational Foundation - Research/Project Funding and Undergraduate Scholarships

The American Hotel and Lodging Educational Foundation supports hospitality research and projects that benefit the lodging industry. Proposals must address industry problems, have broad geographical appeal, and contribute to the prosperity of the industry. Several scholarships are also available to support the educational development of students pursuing a degree in hospitality management. Application guidelines are available at <http://www.ahlef.org>. **Deadline: July 1**

American Legion Child Welfare Foundation – Grant Program

The American Legion Child Welfare Foundation is accepting proposals for projects that contribute to the physical, mental, emotional, and spiritual welfare of children through the dissemination of new knowledge and knowledge already possessed that can be shared with society. Grants are awarded for one year, and have ranged from \$1,500 to \$70,000 each. Application guidelines are available at <http://www.legion.org/cwf/?section=grantseekers>. **Deadline: July 15**

Association of Performing Arts Presenters - Creative Campus Innovations Grants

This program supports interdisciplinary partnerships of higher education institutions and arts presenters working to make arts available across campus and within the academic curriculum, as well as the surrounding community. The Association will award up to ten one- to two-year project grants ranging from \$100,000 to \$200,000 each. Application guidelines are available at <http://www.artspresenters.org/newsroom/pr031709.cfm>. **Deadline: June 30**

California Arts Council and California Department of Justice – Music Presenting Grant

With funds obtained by a court case involving the music industry, a one-time grant of up to \$15,000 will be made to presenting organizations to offer discounted or free music performances that will serve California's underserved, rural and/or inner-city populations. Collaborative projects among partners are particularly encouraged. *Cost-sharing is required for this program. Please contact your associate dean if you plan to apply.* Application guidelines are available at <http://www.cac.ca.gov/programs/doj200910.php>. **Deadline: July 1**

Nathan Cummings Foundation – Grant Program

The Cummings Foundation supports the following broad areas: arts and culture; the environment; health; inter-program initiatives for social and economic justice; and Jewish life and values/contemplative practice programs. Basic themes in grantmaking include: concern for the poor, disadvantaged, and underserved; respect for diversity; promotion of understanding across cultures; and empowerment of communities in need. Application guidelines are available at <http://www.nathancummings.org/programs/index.html>. **Deadline: open**

Dana Foundation - Rural Initiative Grants in the Arts

The Dana Foundation will support innovative professional development programs leading to improved teaching of the performing arts in public schools. Within this broad field, the Foundation is interested primarily in training for: professional artists teaching performing arts in public schools; and in-school arts specialists who teach performing arts in the public schools. Application guidelines are available at <http://www.dana.org>. **Deadline: open (letters of intent)**

William T. Grant Foundation - Fellowship Programs

This program supports early- and mid-career scholars in research settings with the aim of increasing the supply of, demand for, and use of high-quality research in the service of improved youth outcomes and well-being. The following awards are made annually: up to six awards of \$350,000 over five years (for early-career scholars); and up to four awards of \$175,000 over six-24 months (for mid-career fellows). Application guidelines are available at <http://tinyurl.com/6e8v52>. **Deadline: July 8**

National Endowment for the Arts - Access to Artistic Excellence

This program seeks to encourage and support artistic excellence, preserve our cultural heritage, and provide access to the arts for all Americans. Applicants may apply under the following areas: dance; design; folk and traditional arts; literature; local arts agencies; media arts: film/radio/television; museums; music; musical theater; presenting; visual; or theater arts. Grants range from \$5,000 to \$150,000. *Cost-sharing is required for this program. Please contact your Associate dean if you plan to apply. Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=46777>. **Deadline: August 13**

National Endowment for the Humanities - Humanities Collections and Resources

NEH supports projects that provide an essential foundation for scholarship, education, and public programming in the humanities. Funding from this program strengthens efforts to extend the life of important collections and make their intellectual content widely accessible, often through the use of digital technology. Awards are also made to create various reference resources that facilitate use of cultural materials, from works that provide basic information quickly to tools that synthesize and codify knowledge of a subject for in-depth investigation. Applications may address the holdings

or activities of a single institution or may involve collaboration. The maximum award amount is \$350,000 over three years. Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply. The solicitation is available at <http://www.neh.gov/grants/guidelines/HCRR.html>. **Deadline: July 15**

National Endowment for the Humanities - Preservation and Access Education and Training Grants

NEH supports education and training programs at the national or regional level that focus on the care and management of and the creation of intellectual access to library, archival, and material culture collections. Grants are also made to support regional preservation field services that provide surveys, consultations, workshops, reference services, and informational materials to the staff of institutions responsible for the care of humanities collections. The award ceiling is \$250,000 for regional organizations; \$125,000 for all other applicants. Application guidelines are available at <http://www.neh.gov/grants/grants.html>. **Deadline: July 1**

National Endowment for the Humanities - Preservation and Access Research and Development Grants

NEH is seeking applications for projects that address major challenges in preserving or providing access to humanities collections and resources. These challenges include the need to find better ways to preserve materials of critical importance to the nation's cultural heritage, from fragile artifacts and manuscripts, to analog recordings and digital assets subject to technological obsolescence, and to develop advanced modes of searching, discovering, and using such materials. The maximum award amount is \$350,000 over three years. Projects that focus on Digital Preservation, Recorded Sound and Moving Image Collections, or Preventive Conservation may request up to \$400,000. *Please note: A minimum 20 percent cost share is required in most cases. Please contact your Associate dean if you plan to apply. Also, submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://www.neh.gov/grants/guidelines/PARD.html>. **Deadline: July 30**

National Science Foundation - Archaeology and Archaeometry

NSF supports three types of anthropologically-relevant archaeological research: Senior, Doctoral Dissertation and High Risk. NSF also supports archaeometric research and assists in gaining access to systematic collections in all anthropological subfields. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11690. **Deadline: varies**

National Science Foundation - Urban Long-Term Research Area (ULTRA) Exploratory Awards (ULTRA-Ex)

This program provides support to teams of researchers from the social and behavioral, ecological, and technical sciences to conduct interdisciplinary research on the interactions between people and natural ecosystems in urban settings in ways that will advance both fundamental and applied knowledge. \$4.8 million is available for 16 awards of \$150,000 per year for two years. Application guidelines are available at http://www.nsf.gov/pubs/2009/nsf09551/nsf09551.htm?govDel=USNSF_25. **Deadline: July 7**

Office of Juvenile Justice Delinquency Prevention - Gang Prevention Youth Mentoring Program

OJJDP will support mentoring programs offering a mixture of core services and engaging youth with activities that enable them to practice healthy behaviors within a positive pro-social peer group. The target population should be youth at risk of gang activity, delinquency, and youth violence. This program should develop and strengthen protective factors against gang involvement and other problem behaviors. It can be based in a school or community setting. \$500,000 is available. Application guidelines are available at <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=47105>. **Deadline: June 15**

Office of Juvenile Justice and Delinquency Prevention - Victims of Child Abuse Act (VOCA) Children's Advocacy Centers and Training and Technical Assistance Programs

The following programs are available under OJJDP's VOCA Children's Advocacy Centers or Training and Technical Assistance Programs:

- Subgrant Program** provides funding for a coordinated investigation and comprehensive response to child abuse. Specifically, the successful applicant will release requests for proposals, as necessary and approved by OJJDP, based on identified national needs and a clearly defined funding strategy. The successful applicant will offer

oversight and award administration. One award is expected. Approximately \$12 million is available to support the first of three years. The solicitation is available [online](#).

- Membership and Accreditation Program** will operate a national membership organization for Children's Advocacy Centers, multidisciplinary teams, and professionals. The awardee will plan and conduct an annual membership meeting and other training conferences for member organizations, provide structure and support for establishing membership criteria and processes, develop and implement a strategic plan for the membership organization, and facilitate communication among member organizations. One award is expected. Approximately \$12 million is available to support the first of three years. The solicitation is available [online](#).
- Child Abuse Prosecutors Program** was designed to enhance the effectiveness of the investigation and prosecution of child abuse. Approximately \$1.7 million per year up to five years is available to support one award. The solicitation is available [online](#).
- Child Abuse Professionals Program** seeks to enhance the coordinated multidisciplinary investigation and response to child abuse and to improve the judicial system's handling of child abuse and neglect cases. Approximately \$300,000 per year for up to five years is available to support one award. The solicitation is available [online](#).

*Please note: submission via Grants.gov is required for these programs. Please contact your SDSURF development specialist if you plan to apply. **Deadline: June 8***

Tides Foundation - Death Penalty Mobilization Fund

The Tides Foundation supports organizations working on death penalty reform, abolition, or moratoria efforts in the United States. Two-year grants ranging from \$40,000 to \$80,000 will be offered. Application guidelines are available at http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=249800010. **Deadline: August 17**

Education & Training

Allianz Foundation for North America – Grant Program

The Allianz Foundation for North America is seeking applications for projects that will empower young people to shape a secure future by partnering with programs that support youth in developing the skills and perspectives they need to lead independent lives of leadership and public service. Grants of up to \$50,000 will be awarded. Application guidelines are available at

http://www.allianz.com/images-2006-12-13/pdf/saobj_1309802_giving_guidelines_2006_update.pdf.

Deadline: open

CarMax Foundation – Grant Program

The CarMax Foundation provides national funding to address and improve auto safety for children and families and to build a competitive workforce through automotive technical training. In the past year, the foundation provided more than \$560,000 in grants. Application guidelines are available at

www.carmax.com/enUS/the-carmax-foundation/grants.html#eligibility. **Deadline: open**

Challenged Athletes Foundation - Access for Athletes Grants Program

The purpose of this program is to provide resources for adaptive sports equipment, sports prosthetics, and training and competition so that those with physical challenges can participate in sports. In 2008, the Foundation provided more than \$1 million in grants. The solicitation is available at

www.challengedathletes.org/programs/access_for_athletes.htm. **Deadline: December 1**

Coleman Foundation – Grant Program

The Coleman Foundation provides national funding for entrepreneurship programs for students at the middle and secondary levels of education that prepare and encourage youth to “create a job” rather than “get a job.” Application guidelines are available at http://www.colemanfoundation.org/youth_entrepreneurship.html.

Deadline: open

Department of State - E-Teacher Scholarship Program and Professional Development Workshop Grant

The purpose of this program is to implement the following two components: seven different 10- to 12-week online, university-level English as a Foreign Language (EFL) professional development courses for a total of approximately 500 EFL teachers from throughout the world; and a three-week professional development workshop for approximately 26 EFL professionals from diverse geographic regions of the world. The total funding available for program and administrative purposes is anticipated to be approximately \$750,000. *Cost-sharing is required for this program. Please contact your Associate dean if you plan to apply. Also, please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=47055>. **Deadline: June 8**

Department of State - U.S.–Russia Language, Technology, Math, and Science Program Grant

This program will provide a four-week professional development program in the United States for secondary school teachers from Russia, followed by a two-week program in Russia for U.S. teachers and the Russian educators, and a workshop in Russia led by the Russian teachers for Russian colleagues. Approximately \$300,000 will be awarded. *Cost-sharing is required for this program. Please contact your Associate dean if you plan to apply. Also, please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=47056>. **Deadline: June 8**

Daniel Jordan Fiddle Foundation – Grant Program

The Daniel Jordan Fiddle Foundation funds programs that benefit adolescents and adults with autism. In 2007, the foundation provided \$192,000 in charitable grants. Application guidelines are available at

www.djfiddlefoundation.org/grant_apply.cfm. **Deadline: Aug 1 (letters in inquiry)**

Fluor Foundation – Grant Program

The Fluor Foundation provides support in the areas of education, human services, culture, and public/civic affairs. In regard to education, the Foundation seeks to encourage elementary/secondary students to pursue higher education/training, with an emphasis on engineering and construction; improve and enhance math/science curricula; support teacher training in math/science; and encourage mentoring and economic literacy programs. Application guidelines are available at

http://www.fluor.com/sustainability/community/fluor_giving/Pages/applying_for_fluor_foundation_grants.aspx. **Deadline:**

open

Foundation for IT Education – Grant Program

The Foundation for Information Technology Education seeks to advance the education of information systems professionals in education, business, government and the general public. Funding may be used for the following educationally-related projects: infrastructure; technology; innovative projects that support the mission of the Association of Information Technology Professionals; and program development. Grants up to \$10,000 are offered. Application guidelines are available at <http://www.edfoundation.org/GrantGuidelines.htm>. **Deadline: open**

Higher Education for Development - Higher Education Partnership with Mentouri University

One award of up to \$600,000 over three years will be made to support a higher education partnership with Mentouri University in Algeria to: enhance English language studies; strengthen the business curricula; and establish a career development center resulting in assistance to undergraduates and alumni in the development of relevant skills for the local workforce. *Cost-sharing is required for this program. Please contact your associate dean if you plan to apply.* Application guidelines are available [online](#). **Deadline: June 15**

International Reading Association - Gertrude Whipple Professional Development Program

IRA is accepting applications to support the planning and creation of Professional Development projects. In addition to providing development assistance, IRA will provide support for the production of high quality materials, marketing and scheduling of meetings and workshops, and logistic support for conducting them. Grants of up to \$5,000 will be awarded. Application guidelines are available at www.reading.org/Libraries/Awards/gw_guidelines.sflb.ashx. **Deadline: open**

Japan Foundation Center for Global Partnership – Grant Program

The Japan Foundation Center for Global Partnership provides education grants to increase awareness and understanding of Japan through support of teacher training and related community outreach programs addressing the needs of K-12 students, teachers and the surrounding community. Priority will be given to projects that: reach out to underserved schools and communities with little exposure to Japan; reach significant numbers of students, teachers, or community members in order to maximize impact; involve participation by individuals and organizations new to the field of K-12 education about Japan; and use local resources, such as museums, higher education institutions, and Japan-America Societies. Grants of up to \$5,000 will be awarded. Please note: *All projects must include an event component. Performances, exhibitions, movie screenings, readings, and demonstrations of Japanese traditional arts are eligible but must include a discussion or lecture component.* Application guidelines are available at <http://www.cgp.org/index.php?option=articleandtask=defaultandarticleid=346andid=6>. **Deadline: open**

National Fish and Wildlife - Nature of Learning Grant Program

The National Fish and Wildlife Foundation is accepting applications to initiate a Nature of Learning program in local communities. The program will use National Wildlife Refuges as outdoor classrooms to promote a greater understanding of local conservation issues, encourage an interdisciplinary approach to learning, and utilize field experiences and student-led stewardship projects to connect classroom lessons to real world issues. Grants of up to \$10,000 will be made. Application guidelines are available at http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=250300012. **Deadline: June 15**

The Pentair Foundation – Grant Program

The Pentair Foundation funds programs that support and enhance science and math education, with a focus on applied skills including math and science for career development; school-to-work initiatives, including business concepts and their applications; work readiness; career development; guidance on post-secondary education options; alternative education that provides opportunities for students to excel and advance; and arts education by introducing students to art concepts, processes and applications. More than \$3 million is available. Application guidelines are available at <http://www.pentair.com/About-Us/The-Pentair-Foundation.aspx>. **Deadlines: June 1; October 1**

U.S. Green Building Council - 2009 Excellence in Green Building Education Incentive Grants

USGBC supports the development of innovative curricula that advance green building education across the spectrum of educational levels and contents areas. Grant funds must be used for the development or execution of the curriculum or education program. One \$10,000 grant will be awarded under each category. The solicitation is available at www.usgbc.org/ShowFile.aspx?DocumentID=5580. **Deadline: June 25**

Health & Mental Health

American Diabetes Association - Nationwide Research, Development, and Training Awards

The American Diabetes Association supports new investigators, established investigators, and investigators new to the field of diabetes research. There are five Nationwide programs, three development programs, seven training programs and selected Targeted Awards. Application guidelines are available at http://professional.diabetes.org/Diabetes_Research.aspx?cid=60656. **Deadline: July 1**

Brain Tumor Funders' Collaborative – Grant Program

This program supports institutions working to develop non- or minimally-invasive methods for monitoring if, when, and how human brain tumors respond to investigational therapies. Grants of up to \$100,000 will be given. Application guidelines are available at http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=250300018. **Deadline: June 15**

Centers for Disease Control and Prevention - Outcome Monitoring of Non-traditional Programs for Men Who Have Sex with Men that Focus on Psychosocial Factors to Enhance Overall Health and Reduce HIV Risk

CDC is accepting applications that potentially identify new interventions that may be effective in reducing HIV risk among men having sex with men (MSM). Approximately \$400,000 is available to support up to three awards. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available [online](#). **Deadline: June 20**

Centers for Disease Control and Prevention - Promoting Education and Outreach of Persons with Hereditary Blood Disorders: Identifying Patients with Diamond Blackfan Anemia (DBA)

CDC is seeking applications to: enhance the understanding of the phenotype of DBA patients and to educate the physicians that are caring for them; and promote health, wellness, and the adoption of healthy behaviors aimed at reducing or preventing secondary complications of DBA. Approximately \$125,000 is available to support Module A awards and \$50,000 is available for Module B awards. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available [online](#). **Deadline: June 8**

Centers for Disease Control and Prevention - Promoting the Health of People with Clotting Disorders

CDC is inviting applications for non-research activities to prevent secondary conditions in people with clotting disorders by improving their access to public health programs, and implementing effective health promotion and wellness programs. This announcement is comprised of two funding modules: Module A--Health Promotion and Wellness for People with Clotting Disorders; and Module B--Training Healthcare Professionals. Applicants can apply for one or both modules. Approximately \$600,000 is available; \$350,000 for up to two Module A awards and \$250,000 for up to two Module B awards. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available [online](#). **Deadline: June 8**

Centers for Disease Control and Prevention - Public Health Conference Support Program

CDC is inviting applications to provide partial support for specific non-federal conferences in the areas of: Global Health; Management Training for Global Health; and Field Epidemiology Training Programs for International Health, including the Global Conference, Regional Conferences, and the Epidemic Intelligence Service International Night for Coordinating Office for Global Health. Approximately \$1.5 million is available to support three awards. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available [online](#). **May 30 (optional - letters of intent); June 30 (applications)**

Department of Defense - Gulf War Illness Research Program: Investigator-Initiated Research Award

DoD is seeking proposals focusing on the complex of symptoms known as Gulf War Illness (GWI), improving its diagnosis, and better understanding its pathobiology. Proposals can consist of basic or clinical developmental research

aimed at identifying objective measures to distinguish ill from healthy veterans (e.g., biomarkers), or elucidating potential treatment targets for GWI. Approximately \$2.88 million is available to support three awards. Application guidelines are available [online](#). **Deadlines: June 17 (pre-applications); September 9 (full proposals)**

Department of Health and Human Services - Embryo Donation and/or Adoption Public Awareness Campaign Cooperative Agreement Projects

DHHS is seeking applications for cooperative agreement projects that will contribute to increasing public awareness of embryo donation and/or adoption. Approximately \$1.4 million is available to support four awards. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available [online](#). **Deadline: June 22**

International Life Sciences Institute – 2010 Future Leader Award

ILSI is seeking nominations for individuals proposing research in experimental nutrition, nutrition and toxicology, and nutrition and food science. Grants of \$15,000 per year for two years will be made. Nomination guidelines are available at <http://www.ilsina.org/awards/>. **Deadline: June 19**

Robert Wood Johnson Foundation - Project HealthDesign: Rethinking the Power and Potential of Personal Health Records

This program was designed to stimulate innovation in the development of personal health record (PHR) systems by transforming the concept of PHRs as data collection tools to PHRs as a foundation for action and improved health decision-making. Under this call for proposals, RWJF will fund tests on whether and how information about patterns of everyday living can be collected and interpreted such that patients can take action and clinicians can integrate new insights into clinical care processes. Up to five grants of \$480,000 over two years will be made. Application guidelines are available at <http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20762>. **Deadline: June 3**

Juvenile Diabetes Research Foundation - Regular Research Grants, Innovation Grants, and Training Awards

The Juvenile Diabetes Research Foundation funds research to restore and maintain normal blood glucose in people with Type 1 diabetes; prevent, treat, and reverse complications of diabetes; and develop and test strategies to prevent Type 1 diabetes. JDRF's focus is on: stem cells and islet biology; human islet transplantation; complications, including hypoglycemia; and autoimmunity, including diabetes prevention and genetics. Several grant mechanisms are available including open conference grants. The solicitation is available at http://www.jdrf.org/index.cfm?page_id=103207. **Deadline: July 1**

National Cancer Institute - Basic and Exploratory/Development Grants in Cancer Research in Cancer Health Disparities

NCI will support basic and exploratory and developmental research studies into the causes and mechanisms of cancer health disparities. Awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. Basic Grants are limited to \$250,000 per year and may not exceed five years; Exploratory/Development Grants are limited to \$275,000 over two years. Application guidelines are available at <http://grants.nih.gov/grants/guide/pa-files/PAR-09-161.html> (Basic) and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-160.html> (Exploratory/Developmental). **Deadlines: June 23; November 23**

National Cancer Institute - Cancer Surveillance Using Health Claims-based Data System

NCI is accepting grant applications for research entailing the use of health claims data for cancer surveillance. Cancer surveillance may include assessment of patterns of care, quality, and outcomes of care, and health disparities across the continuum of treatment. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-143.html>. **Deadlines: June 16, October 16, February 16 (R21 and R03 applications); June 5, October 5, February 5 (R01 applications)**

National Cancer Institute - Developmental Projects in Complementary Approaches to Cancer Care and Treatment

NCI is seeking applications for basic, pre-clinical, and clinical complementary cancer research. The research should relate to the areas of prevention, diagnosis, and treatment of cancer, as well as management of cancer symptoms and side effects due to conventional cancer treatment. In addition, this program encourages the development and application of emerging and innovative technologies, use of complementary approaches to improve the therapeutic ratio of standard and investigational anti-cancer therapies, and research on lifestyle modifications for their impact on cancer outcomes. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-168.html>. **Deadlines: June 16, October 16, February 16**

National Cancer Institute - Developmental Research in Cancer Prognosis and Prediction

NCI is inviting applications to evaluate the utility and pilot the application of new strategies for determining prognosis or predicting response to therapy for cancer. The objective is to develop newly discovered biomarkers from initial correlative observations into assays or test systems suitable for use in clinical trials or other types of confirmatory clinical research studies. This program will provide tools whose purpose is to improve clinical decision-making in the care of cancer patients. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-158.html>. **Deadlines: June 16, October 6, February 16**

National Cancer Institute - Small Grants Program for Cancer Epidemiology

NCI supports pilot projects testing new techniques, or innovative, high-risk projects that could provide a basis for more extended cancer epidemiologic research. High priority areas are multiple myeloma and cancers of the breast, colon/rectum, prostate, lung, pancreas, and brain. Total budget may not exceed \$100,000 in direct costs. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://grants.nih.gov/grants/guide/pa-files/PA-08-237.html>. **Deadline: July 17**

National Cancer Institute - Studies of Energy Balance and Cancer in Humans

NCI is accepting applications for research to define factors affecting energy balance and to define mechanisms influencing cancer risk, prognosis, and quality of life. These studies may range from new analyses of existing datasets to additional collection of data and biological specimens in ongoing investigations. It is anticipated that the knowledge gained will provide additional information to better understand the relationships among energy balance, cancer risk, and prognosis. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-148.html>. **Deadlines: June 5, October 5, February 5 (R01); June 16, October 16, February 16 (R21)**

National Institute of Allergy and Infectious Diseases - Hepatitis C Cooperative Research Centers

NIAID supports Research Centers that will advance the understanding of Hepatitis C virus-host interactions, specifically the host immune response to infection, and the factors that tilt the balance between spontaneous or therapy-induced clearance and chronic persistence of Hepatitis C Virus. Approximately \$4 million is available to support four or five awards of \$300,000 to 500,000 per year for up to five years. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-025.html>. **Deadlines: July 6 (letters of intent); August 6 (applications)**

National Institute of Allergy and Infectious Diseases - Partnerships for Development of Vaccines for Selected Pathogens

NIAMD is seeking research applications for projects that will advance development of vaccines against five pathogens that have a significant impact on public health: cytomegalovirus, respiratory syncytial virus, Staphylococcus aureus, Pseudomonas aeruginosa and Clostridium difficile. The formation of collaborative partnerships between researchers from different disciplines or with industry is strongly encouraged, but not required. Approximately \$4 million is available to support three to four awards. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-016.html>.

Deadlines: June 26 (letters of intent); July 27 (applications)

National Institute of Arthritis and Musculoskeletal and Skin Diseases - Multiplex Assay Development for Arthritis and Musculoskeletal and Skin Diseases (SBIR)

NIAMS supports projects that develop and apply state-of-the-art multiplex assay technologies for measurement of multiple candidate biomarkers in small volumes of body fluid for musculoskeletal, rheumatic and skin diseases. Phase I awards normally may not exceed \$100,000 total for a period normally not to exceed six months. *Small businesses are eligible to apply, but collaborative opportunities exist for colleges and universities.* The solicitation is available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-127.html>.

Deadlines: August 5; December 5; April 5

National Institute of Child Health and Human Development - Translational Research in Pediatric and Obstetric Pharmacology

NICHHD is accepting applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-156.html>. **Deadlines: August 17**

(letters of intent); September 16 (applications)

National Institute of Child Health and Human Development and the Bill and Melinda Gates Foundation – Considerations for the Safe and Effective Use of Iron Interventions in Context of Malaria and its Co-morbidities

The purpose of this program is to generate new data to support improved programs to prevent and treat iron deficiency in areas of endemic infection, particularly malaria. NICHHD and the Gates Foundation are seeking high-quality research projects to answer any of the following core questions: 1) what are the key mechanisms by which iron status and interventions that may impact on that status can influence the immune system and response to infections such as malaria? 2) what are the most sensitive and specific indicators of iron status that can be used in resource-limited settings, and what are the most appropriate biomarkers of iron status and disease outcome? and 3) what are the safest and most effective interventions to prevent and treat iron deficiency in areas of endemic malaria? \$1.1 million is available for three to six awards. Application guidelines are available at

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-029.html>. **Deadline: June 19**

National Institute of Diabetes and Digestive and Kidney Diseases – Silvio O. Conte Digestive Diseases Research Core Centers

NIDDK is seeking applications for research related to digestive and liver diseases and their complications. Approximately \$6 million is available to fund five new or renewal applications. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-09-005.html>. **Deadlines: October 12 (letters of intent); November 9 (applications)**

National Institute of Mental Health - Pilot Intervention and Services Research Grants

NIMH is seeking applications for research on the development and/or pilot testing of new or adapted interventions, the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials, or

innovative services research directions that require preliminary testing or development. The award mechanism provides resources for evaluating the feasibility, tolerability, acceptability and safety of novel approaches to improving mental health and modifying health risk behavior, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale (efficacy or effectiveness) intervention or services study. The maximum award amount is \$450,000 over three years. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-173.html>. **Deadlines: June 16; October 16; February 16**

National Institute of Mental Health - Rapid Assessment Post-Impact of Disaster

This program supports research on the post-impact of disasters. This funding solicitation will permit access to a disaster area in the immediate aftermath of the event. Potential applicants are strongly encouraged to contact NIMH program staff before submitting a RAPID application to determine whether or not the proposed work meets the guidelines of this program, whether requested RAPID funding is likely to be available, and whether the idea should be considered for initial submission as a fully developed application. Application guidelines are available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-171.html>. **Deadline: open (applications should be submitted within 6 weeks of the identified disaster event)**

National Institute of Mental Health and National Institute on Alcohol Abuse and Alcoholism - Collaborative R01s for Clinical and Services Studies of Mental Disorders, AIDS and Alcohol Use Disorders

NIMH and NIAAA are seeking applications for collaborative intervention trials in the treatment, prevention or rehabilitation of those with mental disorders and alcohol use disorders and co-morbid mental disorders. Support is also provided for other collaborative clinical studies, including but not limited to mental health services research, AIDS, genetics, psychopathology, stigma, and cultural and social processes. This program supports projects involving two or more sites that are needed to complete the study. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-153.html>. **Deadlines: June 5, October 5, and February 5 (regular applications); September 7, May 7, January 7 (AIDS and AIDS-related applications)**

National Institute of Nursing Research - Neuroscience, Genetics, and Symptom Management

NINR is accepting unsolicited applications in the areas of: symptom management, cancer management, research methods, neuroscience and genetics. Applications accepted even when there are no relevant RFAs or PAs. Application guidelines are available at <http://www.ninr.nih.gov/ResearchAndFunding/DEA/OEP/AreasofscienceFile.htm>. **Deadline: June 5**

National Institute on Drug Abuse - Economic Studies of Health Insurance Coverage on Drug Abuse Treatment Availability, Access, Costs, and Quality

NIDA is accepting applications to conduct rigorous, theory-driven research on the effects of recent legislative and regulatory changes affecting insurance coverage for drug abuse treatment services. Approximately \$2 million is available to support four or five awards of up to \$500,000 per year for up to five years. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-004.html>. **Deadlines: June 14 (letters of intent); July 14 (applications)**

National Institutes of Health - Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy

NIH is accepting applications to enhance childhood obesity research by fostering the formation of local, state, or regional teams consisting of researchers, policymakers, and other relevant stakeholders in order to identify research questions and hypotheses, design and implement the relevant research, and translate the research into evidence relevant to potential policy efforts in this area. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-140.html>. **Deadlines: June 16; October 16; February 16**

National Institutes of Health - Microbicide Innovation Program

NIH is seeking applications in the field of topical microbicides to advance development of new microbicide approaches and additional rational targets through preclinical and basic research; discovery and characterization of microbicides (singly or in combinations) directed against HIV or sexually transmitted infections that are linked to HIV acquisition; the identification and promotion of emerging technologies or models that contribute to the development of new and/or more efficient ways of assessing microbicide safety, efficacy, and acceptability; and design of complex prevention strategies that incorporate vaginal, rectal, and/or penile applied microbicides. Approximately \$800,000 is available to support two or three awards. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-021.html>. **Deadlines: June 10 (letters of intent); July 10 (applications)**

National Institutes of Health - Novel Statistical Methods for Human Gene Expression Quantitative Trait Loci (eQTL) Analysis

NIH is seeking applications to develop innovative statistical methods to detect the influence of genetic variation on tissue-specific gene expression and regulation. The goal is to develop statistical methods to appropriately analyze the forthcoming complex data sets generated by the NIH Roadmap initiative, "Genotype-Tissue Expression (GTEx) Project." Applicants are encouraged to take advantage of existing tissue-specific gene expression datasets and/or simulated datasets, but will also be strongly encouraged to use GTEx-generated data, if and when it is available. Approximately \$1 million is available to support two or three awards. Direct costs are expected to be \$200,000 to \$300,000 per year for two years. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-006.html>. **Deadlines: August 16 (letters of intent); September 16 (applications)**

National Institutes of Health – Research on Teen Dating Violence

NIH is accepting applications for behavioral and/or biomedical research aimed at better understanding the etiologies and precursors for, reducing risk for, and incidence of, teen dating violence (TDV). Also encouraged is research that examines the linkages and gaps among perceptions of appropriate responses to teen dating violence from service providers, the criminal justice system, teens themselves, victims, perpetrators and bystanders. Award size will vary based upon the award mechanism. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-169.html>. **Deadlines: June 5; October 5; February 5 (R01); June 16; October 16; February 16 (R21)**

National Institutes of Health - Women's Mental Health in Pregnancy and the Postpartum Period

NIH is accepting applications for research on women's mental health in relation to pregnancy and the postpartum period. Award size will vary. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available at <http://grants.nih.gov/grants/guide/pa-files/PA-09-174.html>. **Deadlines: June 5; October 5; February 5 (R01); June 16; October 16; February 16 (R21)**

Gustavus and Louise Pfeiffer Research Foundation - Grants Program

The Gustavus and Louise Pfeiffer Research Foundation provides up to \$75,000 per year for projects or programs focusing on: the advancement of medicine and pharmacy, including scientific research, post-graduate scholarship and fellowship assistance; and studies in nutrition, blindness, deafness and other physical disabilities. Application guidelines are available at <http://fdncenter.org/grantmaker/pfeiffer/>. **Deadline: July 25 (letters of intent)**

Science & Engineering

Air Force Office of Scientific Research - Young Investigator Research Program

AFOSR supports scientists and engineers who have received Ph.D. or equivalent degrees on or after May 1, 2004, and who show exceptional ability and promise for conducting basic research. Examples of basic research areas of current interest include: Theoretical Chemistry; High Temperature Aerospace Materials; Computational Mathematics; Bioenergy; and Electro-Energetic Physics. 30 awards of approximately \$120,000 per year for three years will be made. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available [online](#). **Deadline: July 28**

Defense Advanced Research Projects Agency - Active Cooling Modules

DARPA is accepting proposals for innovative research in the area of active cooling modules. The goal is the development and demonstration of ideas based on novel materials and structures that can provide tens of degrees of cooling for 100W devices in cm-scale cooling modules with coefficient of performance (COP) of 3 or better. Multiple awards are anticipated. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available [online](#). **Deadlines: June 18 (abstracts); August 13 (proposals)**

Defense Advanced Research Projects Agency - Antenna-Coupled Electromagnetic Wave Receiver with Near Background Limited Infrared Photodetection (BLIP) Performance

DARPA is inviting innovative proposals that address the development of antenna coupled infrared detectors operating at room temperature and sensitive in the 3-5 μ m spectral band, and the design and fabrication of large area, high density focal plane arrays based on the antenna coupled detectors. Multiple awards are anticipated. Application guidelines are available [online](#). **Deadline: June 8**

Defense Advanced Research Projects Agency - Centers in Integrated Photonics Engineering Research

DARPA is seeking proposals for university research centers focused on integrated photonics engineering that investigate innovative approaches enabling revolutionary advances in science, devices, or systems. *Cost-sharing is required for this program. Please contact your Associate dean if you plan to apply. Also, please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available [online](#). **Deadlines: June 25 (abstracts); August 25 (final proposals)**

Defense Advanced Research Projects Agency - Deep Learning

DARPA is seeking innovative research proposals in the area of deeply layered machine learning, or "Deep Learning." Over the course of the envisioned program, awardee teams will build a universal machine learning engine that uses a single set of methods in multiple layers to generate progressively more sophisticated representations of patterns, invariants, and correlations from data inputs. The engine is expected to be applicable to multiple input modalities given only changes to the inputs' preprocessing, and is expected to be able to learn important characteristics of the inputs and produce useful representations solely on the basis of unlabeled inputs. Multiple awards are anticipated. Application guidelines are available [online](#). **Deadlines: June 18**

Defense Advanced Research Projects Agency - Efficient Linearized All-Silicon Transmitters Integrated Circuits

The goal of this program is to enable monolithic, ultra high power efficiency, ultra high linearity, millimeter-wave, silicon-based transmitter integrated circuits for next-generation military microsystems in areas such as radar and communications. Multiple awards are anticipated. The solicitation is available at <http://www.darpa.mil/mto/solicitations/baa09-36/index.html>. **Deadlines: June 9 (abstracts); September 15 (proposals)**

Defense Advanced Research Projects Agency - Low-Cost Lightweight Portable Photovoltaics

DARPA is accepting innovative research proposals in the area of photovoltaic power sources that excel in efficiency, portability, flexibility, durability, and ease of manufacture. Application guidelines are available [online](#). **Deadlines: June 8 (abstracts); August 24 (full proposals)**

Defense Advanced Research Projects Agency – Maximally-scalable Optical Sensor Array Imaging with Computation

DARPA is seeking proposals to overcome the limits of conventional imaging system design strategies and to demonstrate the feasibility of innovative design approaches providing for near-linear growth of optical information throughput with increasing imaging system scale. This will enable extraordinarily high imaging performance in reasonably small and affordable form factors. The specific MOSAIC challenge problem is to design and demonstrate an imaging system that achieves very high angular resolution over a wide field of view without paying the heavy penalties in size, weight, and temporal complexity or degradation incurred by today's approaches. Application guidelines are available [online](#). **Deadline: June 8**

U.S. Department of Agriculture - Expert Integrated Pest Management Decision Support System

This program supports the development of expert systems that help guide, demonstrate and multiply impacts of USDA-supported Integrated Pest Management programs. Approximately \$140,000 is available in FY 09 for one award. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at <http://www.csrees.usda.gov/funding/rfas/expert.html>. **Deadline: June 5**

U.S. Department of Agriculture - Rural Development Rural Utilities Community Connect Grant Program

USDA is seeking proposals to furnish broadband service in rural, economically challenged communities where such service does not currently exist. Grant funds may be utilized to deploy broadband transmission service to critical community facilities, rural residents, and rural businesses and to construct, acquire, or expand, equip, and operate a community center that provides free access to broadband services to community residents for at least two years. Proposals must be from entities serving communities of up to 20,000 inhabitants to ensure rural consumers enjoy the same quality and range of telecommunications service as are available in urban and suburban communities. Approximately \$13.4 million is available for grants ranging from \$50,000 to \$1 million. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available [online](#). **Deadline: June 19**

Department of Defense - DoD Small Business Innovation Research (SBIR) Program

This program encourages small high-technology firms to submit proposals to DoD for Research and Development (R&D) projects with both military and commercial applications. Six DoD components will participate in the solicitation: Departments of the Army and Navy; Defense Advanced Research Projects Agency (DARPA); Defense Microelectronics Activity (DMEA); Defense Threat Reduction Agency (DTRA); and the Office of Secretary of Defense (OSD). The R&D topics under which DoD is seeking proposals vary by component. *Eligibility is limited to small businesses, but partnership opportunities may exist for colleges and universities.* The solicitation is available at <http://www.acq.osd.mil/sadbu/sbir>. **Deadline: June 17**

Environmental Protection Agency - Gulf of Mexico Alliance Regional Partnership Projects

Approximately \$3 million is available for 10 to 50 cooperative agreements for projects that improve the health of the Gulf of Mexico by addressing improved water quality and public health, priority coastal habitat conservation and restoration, more effective coastal environmental education, improved ecosystems integration and assessment, strategic nutrient reductions, and coastal community resilience. Projects must actively involve stakeholders and focus on support and implementation of the Gulf of Mexico Alliance Governors' Action Plan II for Healthy and Resilient Coasts. Application guidelines are available at <http://www.epa.gov/gmpo/>. **Deadline: June 15**

Environmental Protection Agency – Healthy Indoor Environments

EPA is soliciting proposals for projects to reduce the public's exposure to common indoor environmental hazards and address at least one of the following program priority areas: outreach and training projects that result in effective Indoor Air Quality (IAQ) management practices in schools; education of asthmatics and/or their caregivers concerning environmental triggers through home, daycare, community, and school interventions; or training of healthcare professionals, community workers, and other trained individuals on environmental management of asthma so they can counsel people with asthma. Projects must be performed within one or more of the states within EPA Region 6, specifically: Arkansas, Louisiana, New Mexico, Oklahoma, and/or Texas. Applicants need not be located within the boundaries of EPA Region 6 to be eligible to apply for funding. \$150,000 is available for five awards. The solicitation is available at <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=46996>. **Deadline: June 16**

Environmental Protection Agency – Joint U.S.-U.K. Research Program: Environmental Behavior, Bioavailability and Effects of Manufactured Nanomaterials

EPA and the United Kingdom's Environmental Nanoscience are seeking joint applications from U.S. and U.K. partners that: propose integrated model(s) of fate, behavior, bioavailability and effects for several important and representative nanomaterial classes over key environmental pathways using intrinsic material properties and life cycle analysis as a starting point for model development; validate and refine these model(s) through interdisciplinary research, addressing key assumptions and areas of uncertainty; and develop effective methods and tools to detect, assess, and monitor the presence of nanomaterials in biological and environmental samples. \$4 million is available for U.S. applicants. Application guidelines are available at http://epa.gov/ncer/rfa/2009/2009_uk_nano.html. **Deadline: August 5**

Environmental Protection Agency and Border Environment Cooperation Commission - Border 2012 U.S.-Mexico Environmental Program

The Border 2012 U.S.-Mexico Environmental Program was designed to protect human health and the environment in the border region. The program supports projects that will improve environmental health and reduce pollution in water, air, and on land, reduce exposure to chemicals from accidental releases and improve environmental stewardship. The solicitation is available at www.cocof.org. **Deadline: June 30**

Environmental Research and Education Foundation - Grants Program

This program supports research and education on solid waste management. Proposals should focus on nine long-term priority areas: Landfills; Transport and Collection; Policy and Economics; Recycling and Waste Minimization; Combustion and Waste-to-Energy; Equipment and Safety; Conversion Technologies; Life Cycle Inventory and Analysis; and Education. The solicitation is available at <http://www.erefdn.org/guide.html>. **Deadline: July 1**

National Aeronautics and Space Administration - New Frontiers Program 2009

NASA is accepting proposals that address the science objectives of one of the eight mission concepts identified in the National Research Council's 2007 report, *Opening New Frontiers in Space: Choices for the Next New Frontiers Announcement of Opportunity*. Three awards are expected. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available [online](#). **Deadlines: June 12 (letters of intent); July 31 (proposals)**

National Aeronautics and Space Administration - Atmospheric Composition: Mid-Latitude Airborne Cirrus Properties Experiment

NASA is inviting proposals that contribute to the understanding of the sources, transformation, and transport of trace species in the Earth's atmosphere. The research strategy in atmospheric composition encompasses an end-to-end approach for instrument design, data collection, analysis, interpretation, and prognostic studies. Special focus is on the properties of mid-latitude cirrus clouds, the processes affecting these properties and their impact on radiation. Approximately \$800,000 is available to support seven awards. Application guidelines are available [online](#). **Deadline: June 15**

National Aeronautics and Space Administration - Postdoctoral Program

This program consists of two components: Postdoctoral Research Program and Postdoctoral Management Program. The Postdoctoral Management Program is an adjunct to the Postdoctoral Research Program, designed to provide research management experience for some of the research program Fellows. Both provide talented new and senior Ph.D.s with opportunities to participate in NASA mission-related activities as guests at NASA Centers, Headquarters, and other NASA-approved sites. Stipend rates for Postdoctoral Fellows start at \$50,000 per year for up to three years. Application guidelines are available at <http://nasa.orau.org/postdoc>. **Deadline: July 1**

National Institute of Standards and Technology - Technology Innovation Program (TIP)

NIST is seeking applications for high-risk, high-reward research and development projects in the areas of civil infrastructure and manufacturing. Approximately \$25 million is available to support 25 awards. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply. Also, cost-sharing is required for this program. Please contact your associate dean if you plan to apply.* Application guidelines are available at [online](#). **Deadline: June 23**

National Park Service – The Park Roads and Parkways Program

The Park Roads and Parkways Program creates and maintains park roads, parkways and bridges that provide visitor access and protection of natural, historic, and cultural resources. The purpose of this project is to support NPS efforts to move towards a multi-modal approach to transportation, closely coordinated and in cooperation with state and local governments and other Federal land management agencies. One award of \$1 million will be made. The solicitation is available at <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=47063>. **Deadline: June 23**

National Science Foundation - Algebra, Number Theory, and Combinatorics

NSF is accepting proposals for research in algebra, including algebraic structures, general algebra, and linear algebra; number theory, including algebraic, analytic number theory, arithmetic geometry, quadratic forms, and automorphic forms; combinatorics, including graph theory; and algebraic geometry. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5431. **Deadline: October 6**

National Science Foundation – Analysis

NSF provides funding for basic research in the area of mathematics whose roots can be traced to the calculus of Newton and Leibniz. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5434. **Deadline: October 6**

National Science Foundation - Applied Mathematics

This program supports mathematics research motivated by or having an effect on problems arising in science and engineering. Mathematical merit and novelty, as well as breadth and quality of impact on applications, are important factors. Proposals to develop critical mathematical techniques from individual investigators as well as interdisciplinary teams are encouraged. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5664. **Deadline: November 15**

National Science Foundation – Astronomy and Astrophysics Postdoctoral Fellowships

NSF is seeking proposals for highly qualified, recent doctoral scientists to carry out an integrated program of independent research and education. Fellows may engage in observational, instrumental, theoretical, laboratory or archival data research in any area of astronomy or astrophysics, in combination with a coherent educational plan for the duration of the fellowship. Fellowships may be taken to an eligible host institution of the fellow's choice. Approximately \$750,000 is available to support eight or nine awards. The award amount is \$83,000 per year for three years. Eligibility is open to individual citizens, nationals, or permanent residents of the U.S. who: 1) have earned a doctoral degree within five years prior to the deadline or will earn their doctoral degree by October 1 of the award year; and 2) have not participated in postdoctoral training for more than three years prior to the deadline. Application guidelines are available at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08581. **Deadline: October 14**

National Science Foundation - Atomic Molecular and Optical Physics

NSF supports research in four sub-areas of Atomic Molecular and Optical Physics: Precision Measurements; Atomic and Molecular Dynamics; Atomic and Molecular Structure; and Optical Physics. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13622. **Deadline: September 30**

National Science Foundation – CISE Cross-Cutting Programs

NSF is seeking proposals in cross-cutting areas that are scientifically timely, and that benefit from the intellectual contributions of researchers with expertise in a number of computing fields and/or sub-fields. The current cross-cutting programs include: Data-intensive Computing; Network Science and Engineering; and Trustworthy Computing. Approximately \$75 million is available to support 80 to 110 awards annually. The maximum award amount is \$500,000 over three years for small projects; \$1.2 million over four years for medium projects; and \$3 million over five years for large projects. The solicitation is available at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08578. **Deadlines: August 30 (Medium Projects); November 28 (Large Projects); December 17 (Small Projects)**

National Science Foundation - Community-Based Data Interoperability Networks

NSF supports networks responsible for consensus-building activities and for providing the expertise necessary to turn the consensus into technical standards with associated implementation tools and resources. Examples of the former are community workshops, web resources such as community interaction sites, and task groups. Examples of the latter are information sciences, software development, and ontology and taxonomy design and implementation. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=502112. **Deadline: July 23**

National Science Foundation - Division of Chemistry Unsolicited Proposals

NSF supports proposals in all traditional areas of chemistry and multidisciplinary fields that draw on the chemical sciences and enable basic research and education. Modes of support include single/multi-investigator awards, funding for shared instrumentation, instrumentation development, and educational projects that leverage the division's research investments to build research capacity. Projects that help build infrastructure and partnerships that advance the chemical sciences are also supported. Application guidelines are available at <http://www.nsf.gov/div/index.jsp?org=CHE>. **Deadlines: July 31; November 30**

National Science Foundation - Earth Sciences: Instrumentation and Facilities

NSF is accepting investigator-initiated requests across all Earth sciences disciplines for the following: Acquisition or Upgrade of Research Equipment; Development of New Instrumentation, Analytical Techniques, or Software; National or Regional Multi-User Facilities; Research Technicians; and Development of Cyberinfrastructure for the EarthSciences/Geoinformatics. \$7 million is available for 35-45 awards. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6186. **Deadline: July 8**

National Science Foundation - Ecological Biology

NSF provides funding for research that advances the conceptual or theoretical understanding of species interactions and community dynamics in terrestrial, wetland, and freshwater habitats. This program encourages projects that integrate theoretical, modeling, and empirical approaches, or that promote synthesis, across spatial and temporal scales. NSF seeks to fund projects that are transformative and will change the conceptual bases of ecology and have broad implications for future research. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12823. **Deadline: July 9**

National Science Foundation – Ecology of Infectious Diseases

NSF will fund the development of predictive models and discovery of general principles governing the transmission dynamics and evolution of infectious agents. Research should focus on understanding the ecological and socio-ecological determinants of transmission by vectors or abiotic agents, the population and evolutionary dynamics of reservoir species, the dynamics of social and economic systems, and transmission to humans or other hosts. The most competitive proposals advance broad, conceptual knowledge that reaches

beyond the specific system under study and may lead to public health, economic, or management policy usage. Approximately \$8.5 million is available to support seven awards. The solicitation is available at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08601. **Deadline: December 9**

National Science Foundation - Electronics, Photonics and Device Technologies

NSF is accepting proposals to improve the fundamental understanding of devices and components based on the principles of micro and nano electronics, photonics, magnetics, organics, electro-optics, electromechanics, electromagnetics, and related physical phenomena. Proposals for the program may involve collaborative research to capture the breadth of expertise needed for such multidisciplinary integrative activities. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13379. **Deadlines: October 7; February 7**

National Science Foundation - Elementary Particle Physics

Through this initiative, the NSF will fund projects to advance accelerator physics and detectors at accelerators, especially those directed at the International Linear Collider and new methods of utilizing distributed computing in support of collaborative research, for example, grid development, both nationally and internationally. The program also engages K-12 educators, who participate in experiments with scientists and students. Approximately \$50 million is available for 20 awards of up to \$300,000 each. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5624. **Deadline: September 30**

National Science Foundation - Engineering Research Centers

NSF supports centers that create a culture of innovation in engineering research and education to link scientific discovery to technological innovation through transformational engineered systems research in order to advance technology and produce engineering graduates who will be creative innovators in a global economy. \$13 million is available for four awards. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5502. **Deadlines: May 15 (letters of intent); July 15 (preliminary proposals); January 12 (invited proposals)**

National Science Foundation – Foundations

This program supports research in mathematical logic and the foundations of mathematics, including proof theory, recursion theory, model theory, set theory, and infinitary combinatorics. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5548. **Deadline: October 6**

National Science Foundation - Gravitational Physics

NSF is seeking proposals that emphasize the theory of strong gravitational fields and their application to astrophysics and cosmology, computer simulations of strong and gravitational fields, gravitational radiation, and construction of a quantum theory of gravity. The program oversees the management of the construction, commissioning, and operation of the Laser Interferometer Gravity Wave Observatory (LIGO), and provides support for LIGO users and other experimental investigations in gravitational physics and related areas. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5628. **Deadline: September 30**

National Science Foundation - Inorganic, Bioinorganic, and Organometallic Chemistry

NSF supports research on the synthesis, properties, and reaction mechanisms of molecules composed of metals, metalloids, and nonmetals with elements covering the entire Periodic Table. Included are fundamental studies that underscore bioinorganic reactions; homogeneous catalysis and organometallic reactions; photochemical and charge transfer processes; and studies aimed at rational synthesis of new inorganic molecular substances, self-assemblies, and nano-size materials. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5373&org=CHE&from=home. **Deadlines: July 31; November 30**

National Science Foundation - Integrative, Hybrid and Complex Systems

NSF supports innovative research in micro and nano systems, communication systems, and cyber systems that integrate physical devices and components with computational intelligence and networks. Proposals for the program may involve collaborative research to capture the breadth of expertise needed for such multidisciplinary integrative activities. ECCS will consider supporting a limited number of small team proposals of three or more investigators from different disciplines and/or universities. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13381. **Deadlines: October 7; February 7**

National Science Foundation – Instrument Development for Biological Research

This program provides funding for the development of novel instrumentation or instrumentation that has been significantly improved by at least an order of magnitude or more in fundamental aspects. Supported instruments are expected to have a significant impact on the study of biological systems and must be firmly based in biological research need. Proposals are encouraged that focus on proof-of-concept development for entirely novel instrumentation. Approximately \$4 million is available to support 15 awards. The solicitation is available at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08566. **Deadline: August 28**

National Science Foundation - Instrumentation for Materials Research - Major Instrumentation Projects

NSF is accepting proposals that support the design and construction of major instruments costing more than \$4 million but less than \$20 million, for the development of new tools for materials preparation or characterization at major user facilities. The program supports two types of awards: Conceptual and Engineering Design (CED) awards; and Construction (CNST) awards. The focus is on design and construction only; operation of the instruments built with these funds is to be provided from other sources, i.e., other programs within NSF or non-NSF funds. Approximately \$3 million is available to support two to three awards. *Please note: Institutions may submit only one IMR-MIP proposal in a given year, whether for Conceptual and Engineering Design (CED) or for Construction (CNST). If you would like to submit a proposal, please send a white paper of no more than two pages to your Associate dean and Gene Stein by **May 28, 2009**.* The solicitation is available at <http://www.nsf.gov/pubs/2009/nsf09547/nsf09547.htm>. **Deadline: June 29**

National Science Foundation - Living Stock Collections for Biological Research

NSF is seeking proposals for improvements in and partial operation of existing collections of living organisms, including viruses and bacteriophages, to be used in basic biological research. The program provides support for short-term and longer-term projects. Approximately \$1 million is available to support two to four awards annually. Application guidelines are available at <http://www.nsf.gov/pubs/2009/nsf09550/nsf09550.htm>. **Deadline: July 15**

National Science Foundation - MARGINS Program

Under this program, NSF offers funding for projects designed to elevate descriptive and qualitative knowledge of continental margins to yield more systemic understanding of processes that control margin genesis and evolution. Projects should concentrate on four scientific experiments: Rupturing Continental Lithosphere; Subduction Factory; Seismogenic Zone; and Source-to-Sink. Postdoctoral Fellowships, science synthesis and planning workshops, and theoretical and experimental institutes are also supported. Approximately \$6 million is available for up to 10 awards. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13516. **Deadline: July 1**

National Science Foundation - Ocean Drilling Program

NSF is seeking proposals for drilling-related research that is clearly relevant to the drilling plans of the international drilling community and focus on pre-drilling or drilling concurrent activities. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13524. **Deadlines: August 15; February 15**

National Science Foundation - Opportunities for Promoting Understanding through Synthesis

This program supports proposals aimed at synthesizing a body of related research projects conducted by an individual or, in cases where multiple scientists already have worked collaboratively, groups of investigators over an extended period. This program supports mid-to late-career investigators and early-career projects that will produce unique, integrated insight. Six to eight awards are offered annually. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13403. **Deadline: July 9**

National Science Foundation - Organic and Macromolecular Chemistry

NSF provides funding for research that will advance knowledge of organic chemical dynamics and research on the organic synthesis of carbon-based molecules, metallo-organic systems, and organized molecular assemblies. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5640. **Deadlines: July 31 (bio-oriented proposals); November 30 (materials research-oriented proposals)**

National Science Foundation - Particle and Nuclear Astrophysics

NSF is inviting proposals for research in many areas of particle astrophysics and nuclear astrophysics, including the study of ultra high energy particles reaching Earth from beyond our atmosphere and experiments or research and design projects for underground facilities. Currently supported activities include: ultra high energy cosmic-ray and gamma-ray studies; the study of gamma-ray bursts; solar, underground and reactor neutrino physics; searches for the direct detection of Dark Matter; and searches for neutrino-less double beta decay. Funding is also provided for accelerator-based nuclear astrophysics studies of stellar processes, nucleosynthesis, and processes related to cosmology and the early universe. Approximately \$15 million is available for 60 awards ranging from \$50,000 to \$2 million. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5633. **Deadline: September 30**

National Science Foundation - Partnerships for Innovation

NSF is inviting proposals for partnerships among academe, the private sector, and state/local/federal government that will explore new approaches to support and sustain innovation. The goals of this program are to: 1) stimulate the transformation of knowledge created by the research and education enterprise into innovations that create new wealth; build strong local, regional and national economies; and improve the national well-being; 2) broaden the participation of all types of academic institutions and all citizens in activities to meet the diverse workforce needs of the national innovation enterprise; and 3) catalyze or enhance enabling infrastructure that is necessary to foster and sustain innovation in the long-term. Approximately \$9.5 million is available to support 12 to 15 awards annually. The maximum award amount is \$600,000 over two or three years. *One application per institution as a lead AND one application per institution as a sub-awardee will be accepted. If you would like to submit a proposal, please send a white paper of no more than two pages to your associate dean and Gene Stein by **October 31, 2009**.* The solicitation is available at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08583. **Deadlines: October 31 (letter of intent); December 31 (proposals)**

National Science Foundation - Petrology and Geochemistry

NSF provides funding for basic research on the formation and evolution of Earth using petrological and geochemical characteristics of Earth materials in the crust, mantle, and core. Proposals generally address the petrology and high-temperature geochemistry of igneous and metamorphic rocks, mineral physics, economic geology, and volcanology. Proposals that bridge disciplinary boundaries or include development of analytical tools for potential use by the broad community are encouraged. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13683. **Deadlines: July 6; January 6**

National Science Foundation - Physical Chemistry

This program supports experimental research on the molecular level of understanding the physical properties of chemical systems and theoretical and computational research on electronic structure, statistical mechanics, computer simulations, and chemical dynamics. This program also supports some areas of experimental thermodynamics and condensed phase dynamics of chemical systems that rely heavily on theoretical interpretation of experimental data. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5674. **Deadlines: July 31; November 30**

National Science Foundation - Physics at the Information Frontier

NSF is seeking proposals in three physics subareas: computational physics; information intensive physics; and quantum information science and revolutionary computing. Proposals may include an educational component. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6681. **Deadline: October 28**

National Science Foundation - Physiological and Structural Systems

Under this program, NSF offers funding for research to further the understanding of organisms as integrated units of biological organization. This program cluster considers proposals focused on interacting physiological and structural systems, their environmental and evolutionary contexts, and how these components are constrained by their integration into the whole organism. Projects that use systems approaches to understand why particular patterns of architecture and regulatory control have emerged as general organismal properties are particularly encouraged. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501090. **Deadlines: July 12; January 12**

National Science Foundation - Population and Evolutionary Processes

NSF supports empirical and theoretical studies of microevolution, organismal adaptation, geographical differentiation, natural hybridization and speciation, and processes that lead to macroevolutionary patterns of trait evolution. Research areas include: Population Dynamics; Evolutionary Ecology; Evolutionary Genetics; and Molecular Population Biology. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12824. **Deadline: July 9**

National Science Foundation – Probability

NSF is accepting proposals that support research on the theory and applications of probability. Subfields include discrete probability, stochastic processes, limit theory, interacting particle systems, stochastic differential and partial differential equations, and Markov processes. Research in probability which involves applications to other areas of science and engineering is especially encouraged. Application guidelines are available at: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5555. **Deadline: November 7**

National Science Foundation – Research and Evaluation on Education in Science and Engineering

NSF is accepting proposals to advance research at the frontiers of Science, Technology, Engineering, and Mathematics (STEM) learning, education, and evaluation and to provide the foundational knowledge necessary to improve STEM teaching and learning at all educational levels and in all settings. This solicitation calls for three types of proposals: Knowledge Diffusion; Empirical Research; and Large Empirical Research. Approximately \$30 million is available to support 30 to 45 awards annually. Maximum award amounts are as follows: \$250,000 over two years for Knowledge Diffusion projects; \$1 million over three years for Empirical Research projects; \$2 million over five years for Large Empirical Research projects. Application guidelines are available at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08585. **Deadlines: October 9 (optional letters of intent); November 12 (applications)**

National Science Foundation - Strategic Technologies for Cyberinfrastructure

NSF provides funding for work leading to the development and/or demonstration of innovative cyberinfrastructure services for science and engineering research and education that does not fit into more targeted funding opportunities. In addition, NSF will consider highly innovative cyberinfrastructure education, outreach and training proposals that lie outside the scope of targeted solicitations. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=500066. **Deadline: August 13**

National Science Foundation - Systematic Biology and Biodiversity Inventories

NSF is seeking proposals for research in taxonomy and systematics that contributes to using phylogenetic methods to understand the evolution of life in time and space; discovery, description, and cataloguing global species diversity; and organizing information from the above in efficiently retrievable forms that best meet the

needs of science and society. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12825. **Deadlines: July 9; January 9**

National Science Foundation - Tectonics

This program supports a broad range of field, laboratory, computational, and theoretical investigations aimed at understanding the evolution and deformation of the continental lithosphere and how deformational processes have modified the lithosphere through geologic time. Integrated research involving the disciplines of structural geology, petrology, geochronology, sedimentology, stratigraphy, geomorphology, rock mechanics, paleomagnetism, geodesy, and other geophysical techniques are encouraged. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13673. **Deadlines: July 6; January 6**

National Science Foundation - Theoretical Physics

This program supports the development of qualitative and quantitative understanding of fundamental physical systems, ranging from the most elementary constituents of matter through nuclei and atoms to astrophysical objects and the cosmos. Support is given for research and conferences in the following categories: elementary particle physics; nuclear physics; atomic, molecular, optical, and plasma physics; astrophysics and cosmology; gravitational physics, and a broad spectrum of topics in mathematical physics, described below. The effort also includes a considerable number of interdisciplinary grants. In addition, the program supports infrastructure activities such as short- and long-term visitor programs, workshops, and research centers involving the participation of external scientists from universities, national laboratories, and industry, as well as graduate students and postdoctoral fellows. The solicitation is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5626. **Deadline: September 30**

National Science Foundation - Topology

NSF is inviting proposals on algebraic topology, including homotopy theory, ordinary and extraordinary homology and cohomology, cobordism theory, and K-theory; topological manifolds and cell complexes, fiberings, knots, and links; differential topology and actions of groups of transformations; geometric group theory; and general topology and continua theory. Application guidelines are available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5551. **Deadline: November 3**

National Science Foundation and Department of Energy – NSF/DOE Partnership in Basic Plasma Science and Engineering

NSF and the Department of Energy are seeking proposals to address fundamental issues in plasma science and engineering that can have impact in other areas or disciplines in which improved basic understanding of the plasma state is needed. Approximately \$15 million is available to support 30 to 35 awards annually. Synergistic collaborations among researchers and collaborations or partnerships with industry or government are encouraged, when appropriate, although no funds will be provided to these organizations. The solicitation is available at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08589. **Deadline: October 22**

National Science Foundation and U.S. Department of Agriculture - Dynamics of Coupled Natural and Human Systems

NSF and USDA are accepting proposals for quantitative, interdisciplinary analyses of relevant human and natural system processes and complex interactions among human and natural systems at diverse scales. Approximately \$9 million is available to support seven to 12 awards annually. The solicitation is available at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07598. **Deadline: November 17**

San Diego Association of Governments – Regional Management Coordinator and a Regional Monitoring Coordinator

Currently, there is a lack of coordination among the San Diego jurisdictions, federal and state wildlife agencies, and nonprofit land managers. As a result, the SANDAG Board of Directors authorized funding to contract two positions: one to coordinate regional land management efforts and one to coordinate regional biological

monitoring efforts. SANDAG is soliciting statement of qualifications (SOQs) from qualified firms that may lead to the award of one or more agreements for a full-time contractor to lead the coordination of land management and biological monitoring activities in San Diego County. Up to two contracts will be made for up to \$125,000. The solicitation is available at

<http://bol.planetbids.com/SANDAG/Downloads/5001203%20%20RFQ%20Final%204.27.09.pdf>. **Deadline: June 10**

Winn Feline Foundation - Winn Feline Foundation Grant

WFF supports research into medical problems affecting cats and is interested in projects that address problems unique to individual feline breeds. The foundation has a particular interest in research into familial mediastinal lymphoma and feline mammary adenocarcinoma. There is a maximum award of \$15,000.

Application guidelines are available at <http://www.winnfelinehealth.org/Pages/Researchers.html>. **Deadline: July 20**

U.S. Fish and Wildlife Service - North American Wetlands Conservation Act Grants

FWS provides matching funds for wetlands conservation partnership projects that ensure long-term benefits to wetland ecosystems and the waterfowl, fish, and wildlife that depend on such habitat. These grants support the acquisition, enhancement, and restoration of wetland and wetland-associated habitats. Small Grants provide up to \$75,000 per year, while Standard Grants provide up to \$1 million. *Cost-sharing is required for this program. Please contact your Associate dean if you plan to apply.* Application guidelines are available at

<http://www.fws.gov/birdhabitat/NAWCA/grants.htm>. **Deadlines: July 31 (Standard Grants); October 29 (Small Grants)**

International

American Institute of Indian Studies - Fellowships Program

American Institute of Indian Studies supports scholars from all disciplines to conduct research in India. Junior Research Fellowships focus on doctoral candidates for dissertation research. Senior Research Fellowships and Short-Term Fellowships support Ph.D. scholars. Performing and Creative Arts Fellowships and Professional Development Fellowships are for scholars and professionals who have not worked in India.

Application guidelines are available at <http://www.indiastudies.org>. **Deadline: July 1**

Department of State - E-Teacher Scholarship Program and Professional Development Workshop Grant

The purpose of this program is to implement the following two components: seven different 10- to 12-week online, university-level English as a Foreign Language (EFL) professional development courses for a total of approximately 500 EFL teachers from throughout the world; and a three-week professional development workshop for approximately 26 EFL professionals from diverse geographic regions of the world. The total funding available for program and administrative purposes is anticipated to be approximately \$750,000. *Cost-sharing is required for this program. Please contact your Associate dean if you plan to apply. Also, please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=47055>. **Deadline: June 8**

Department of State - U.S.–Russia Language, Technology, Math, and Science Program Grant

This program will provide a four-week professional development program in the United States for secondary school teachers from Russia, followed by a two-week program in Russia for U.S. teachers and the Russian educators, and a workshop in Russia led by the Russian teachers for Russian colleagues. Approximately \$300,000 will be awarded. *Cost-sharing is required for this program. Please contact your Associate dean if you plan to apply. Also, please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* Application guidelines are available at

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=47056>. **Deadline: June 8**

Higher Education for Development - Higher Education Partnership with Mentouri University

One award of up to \$600,000 over three years will be made to support a higher education partnership with Mentouri University in Algeria to: enhance English language studies; strengthen the business curricula; and establish a career development center resulting in assistance to undergraduates and alumni in the development of relevant skills for the local workforce. *Cost-sharing is required for this program. Please contact your Associate dean if you plan to apply.* Application guidelines are available [online](#). **Deadline: June 15**

Japan Foundation Center for Global Partnership – Grant Program

The Japan Foundation Center for Global Partnership provides education grants to increase awareness and understanding of Japan through support of teacher training and related community outreach programs addressing the needs of K-12 students, teachers and the surrounding community. Priority will be given to projects that: reach out to underserved schools and communities with little exposure to Japan; reach significant numbers of students, teachers, or community members in order to maximize impact; involve participation by individuals and organizations new to the field of K-12 education about Japan; and use local resources, such as museums, higher education institutions, and Japan-America Societies. Grants of up to \$5,000 will be awarded. Please note: *All projects must include an event component. Performances, exhibitions, movie screenings, readings, and demonstrations of Japanese traditional arts are eligible but must include a discussion or lecture component.* Application guidelines are available at <http://www.cgp.org/index.php?option=articleandtask=defaultandarticleid=346andid=6>. **Deadline: open**

National Science Foundation - Developing Global Scientists and Engineers: International Research Experiences for Students (IRES) and Doctoral Dissertation Enhancement Projects (DDEP)

Through this program, NSF intends to provide the highest quality international research experiences for U.S. students through two mechanisms: International Research Experiences for Students supports groups of U.S. undergraduate or graduate students conducting research abroad in collaboration with foreign investigators; and Doctoral Dissertation Enhancement Projects support the dissertation research abroad of one doctoral student in collaboration with a foreign investigator. Approximately \$2.1 million is available to support 24 awards annually. The solicitation is available at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04036. **Deadlines: September 15; February 15 (International Research Experiences); open (Doctoral Dissertation Enhancement Projects)**

United States-Japan Foundation - Program: Grant Programs

The United States-Japan Foundation supports cooperation between the United States and Japan through the following three programs: Communication/Public Opinion funds projects that raise awareness and address issues that affect bilateral relations and stimulate quality media coverage of relevant issues; Pre-college Education supports improved instruction about Japan in U.S. schools and the U.S. in Japanese schools through creative curriculum development and teacher training; and U.S. Japan Policy funds projects in such areas as security, trade relations, environmental protection, energy, science and technology. Award size will vary. Application guidelines are available at <http://www.us-jf.org>. **Deadlines: July 15 (letters of inquiry); August 31 (invited full proposals)**

U.S. Agency for International Development - Building Sustainable Elections Management in Liberia

USAID is inviting applications to provide timely support through technical assistance and some material support to assist Liberia's National Elections Commission (NEC) to conduct specific electoral exercises that are vital to the continued democratic transition underway in Liberia. These exercises include: constituency boundary delimitation; designing a revised voter registration system; holding a national referendum to amend the Constitution, and supporting local elections. Approximately \$17.5 million is available to support one award. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available [online](#). **Deadline: June 9**

U.S. Agency for International Development - Package for Improving Education Quality

USAID is accepting applications to train a core group of at least 120 members composed of teachers, headmasters, pedagogical advisors and inspectors and key technical staff from the Ministry of Education in the Republic of Congo. Approximately \$40 million is available for one or more five-year awards. *Please note: submission via Grants.gov is required for this program. Please contact your SDSURF development specialist if you plan to apply.* The solicitation is available [online](#). **Deadline: June 17**

Publications of Interest

The following publications and reports are available by clicking on the corresponding link:

[The American Recovery and Reinvestment Act: Opportunities and Strategies to Advance Teacher Effectiveness](#)

[Grants.gov Succeed Newsletter Spring 2009](#)

[Health Effects Institute Annual Report 2008: Meeting the Challenges Ahead](#)

[Robert Wood Johnson Foundation 2008 Annual Report: The Road to Reform](#)

[On Being a Scientist: A Guide to Responsible Conduct in Research](#)

[Using the American Recovery & Reinvestment Act to Advance High Quality Professional Development for Early Childhood Educators](#)

[Water Environment Research Foundation Annual Report 2006-2007](#)

Awards Received April 1 through April 30, 2009

Academic Affairs

Dr. Ethan Singer

Price Charities: "City Heights Educational Collaborative," \$2,292,475

Dr. Ethan Singer and Dr. Timothy Allen

San Diego Unified School District: "Monroe Clark School Community Policing Project," \$40,000; \$59,800; \$3,000; "Monroe Clark Outreach Counselor - Norma Lisette Melendez," \$2,829

College of Arts & Letters

Anthropology

Dr. Seth Mallios

Pechanga Indian Reservation: "Geographic Information System Data Maintenance Partnership," \$12,000

Geography

Dr. George Christakos

University of California at Berkeley: "Spatiotemporal Analysis of Air Pollution and Mortality in California Based on the American Cancer Society Cohort," \$70,989

Dr. Molly Costello

San Diego County Parks and Recreation: "Ramona Grasslands/Santa Maria Creek Restoration Project: Part II," \$3,000

Dr. Kathleen Farley

National Science Foundation: "Collaborative Research: The Effects of Land-use Change on the Production of Ecosystem Services on Paramo Grasslands," \$55,858

College of Business Administration

Office of the Dean

Dr. Gail Naughton

City of Chula Vista: "MBA Consulting Program," \$5,000

College of Education

Administration, Rehabilitation and Postsecondary Education

Dr. Fred McFarlane and Dr. Steven Spencer

Micronesia - Federated States of Micronesia: "Micronesia-FSM Master of the Arts in Education with a Concentration in Postsecondary Education Leadership," \$363,000

Policy Studies in Languages and Cross-Cultural Education

Dr. Karen Cadiero-Kaplan

San Diego Council on Literacy: "Even Start Program: Project ACCESS Supplemental," \$1,995

College of Engineering

Office of the Dean

Dr. David Hayhurst

Regents of the University of California: "Math, Engineering, Science Achievement (MESA) Math Engineering Program (MEP)," \$5,000 ▪ *University of California, Office of the President:* "MESA San Diego Math & Science Program North County Capacity Building Initiative," \$17,000

Dr. David Hayhurst and Ms. Donna Goyer

University of California, Office of the President: "Math, Engineering, Science Achievement (MESA) Math Engineering Program (MEP)," \$215,000

Aerospace Engineering and Engineering Mechanics

Dr. Gustaaf Jacobs

U.S. Air Force: "High-order Particle-mesh Algorithms for Shock Particle Physics in Combustion and Explosion," \$99,706

Civil and Environmental Engineering

Dr. R. Edward Beighley

Factory Mutual Insurance Company: "Flood Risk Analysis for the Continental United States Using Pfafstetter Flood Cell Boundaries," \$176,580

Dr. Fatih Buyuksonmez, Dr. Colin Milberg and Dr. R. Edward Beighley

San Joaquin Valley Union Air Pollution Control District: "Emissions of Green House Gases Resulting from Green Waste Composting," \$198,713

Electrical and Computer Engineering

Dr. Sunil Kumar

U.S. Air Force: "Design of Intelligent H.264 Video Packetization for Airborne Wireless Networks," \$30,000

College of Health & Human Services

Graduate School of Public Health

Dr. Melbourne Hovell

University of Wisconsin-Madison: "HIV Risk and Access to Health Care Among Mexican Migrants," \$219,969

Dr. Nada Kassem

American Cancer Society: "Hookah Tobacco Use: Carcinogenic Metabolites," \$240,000

Dr. Lisa Kwizera-Asmus and Dr. Amy Pan

Family Health Centers of San Diego: "Male Family Planning Research Cooperative," \$5,000

Mr. David Lawrence

California Department of Health Services: "Childhood Injury Prevention Resource Center," \$135,000

Dr. Thomas Novotny

University of California at San Diego: "Global Health Framework," \$8,864

School of Social Work

Mr. Michael Eichler

Price Charities: "Legal Path," \$24,099

Dr. Audrey Shillington

National Institute on Alcohol Abuse and Alcoholism: "Secondary Analysis of Existing Alcohol Epidemiology Data," \$252,281

College of Professional Studies & Fine Arts

Exercise & Nutritional Sciences

Dr. Roger Simmons

National Institute on Alcohol Abuse and Alcoholism: "Regulation of Force in Children with Prenatal Exposure to Alcohol," \$224,250

School of Music and Dance

Ms. Donna Conaty

Orange County Superintendent of Schools: "Southern Counties Arts Project," \$23,690

School of Theatre, Television and Film

Mr. Jack Ofield

Norma Terris and Albert D. Firestone Foundation: "Hard Cost," \$4,000

College of Sciences

Biology

Dr. Sanford Bernstein

National Institute of Arthritis and Musculoskeletal and Skin Diseases: "Structure of the UNC-45 Chaperone and Its Interaction with Skeletal Muscle Myosin," \$263,120

Dr. Annalisa Berta

National Science Foundation: "Morphometrics of Baleen among the Mysticeti: Baleen Morphological Variation and Its Relationship to Food Preference," \$7,500

Dr. Roberta Gottlieb

National Institute on Aging: "Subcellular Regulation of Autophagic Flux in Cardiomyocytes and the Heart," \$306,475

Dr. Brian Hentschel

National Science Foundation: "CAREER: Consequences of Short-term Food Variability During the Development of Marine Invertebrate Larvae," \$104,400

Dr. Chun-Ta Lai

Duke University: "Understanding the Seasonality and Interannual Variability of Biosphere-Atmosphere 13 CO₂ Exchange in the Southeastern Region of the United States," \$36,789

Dr. Leroy McClenaghan and Mr. Thomas Zink

U.S. Navy: "Seed Collection at La Posta Mountain Warfare Training Facility, Campo California," \$33,120 ▪ *Weston Solutions, Inc.:* "Rose Canyon Restoration, Miramar Marine Corps Air Station," \$9,677

Dr. Robert Pozos

National Center on Minority Health and Health Disparities: "Minority Health and Health Disparities International Research Training Programs," \$241,037

Dr. Tod Reeder

San Diego Natural History Museum: "Graduate Curatorial Assistantships: A Biodiversity Research and Curation Experience," \$2,178

Dr. Forest Rohwer

Global Viral Forecasting Initiative: "Mobile/Semi-mobile Viral Metagenomic Sequencing," \$60,000

Dr. Roland Wolkowicz

California State University San Marcos: "To Identify the T-cell Activation Profile of SIV-infected Chinese Rhesus Macaques Using Intracellular Antibodies," \$44,850

Chemistry and Biochemistry**Dr. William Tong and Dr. Sanford Bernstein**

National Institute of General Medical Sciences: "San Diego State University Minority Biomedical Research Support Program," \$590,262

Computer Science**Dr. Robert Edwards**

National Science Foundation: "Collaborative Research: PHANTOME: Phage Annotation Tools and Methods," \$285,375

Dr. Joseph Lewis

Lockheed Martin Integrated Systems and Solutions: "SONUS: Self Organizing Networks of Unattended Sensors," \$150,000

Geological Sciences**Dr. Eric Frost**

Space and Naval Warfare Systems Command: "NONCLASS Enclave and MDA Collaboration," \$65,246

Dr. Barry Hanan

National Science Foundation: "Collaborative Research: Geochemical Consequences of Slab Break Off and Lithospheric Delamination," \$53,228

Mathematics and Statistics**Dr. Vadim Ponomarenko**

National Science Foundation: "REU Site: San Diego State University Mathematics Research Experience for Undergraduates," \$103,900

Psychology**Dr. Linda Gallo**

National Heart Lung and Blood Institute: "Cultural Factors and Metabolic Syndrome Risk in Mexican-American Women," \$28,852

Dr. Sandra Marshall

Office of Naval Research: "Cognitive Models of Decision Making in Marinetime Headquarters with Marinetime Operations Center: A New Perspective on Cognitive Workload," \$130,000

Dr. Scott Roesch

Veterans Medical Research Foundation: "Capacity to Consent to Research on Bipolar Disorder," \$10,298

Dr. James Sallis

Emory University: "Neighborhood Nutrition and Physical Activity Environments and Weight," \$117,936

KPBS: Educational Radio and Television

Mr. Thomas Karlo

Outreach Extensions: "The Principal Story," \$10,000

Student Affairs

Student Health Services

Dr. James Lange

National Institute on Alcohol Abuse and Alcoholism: "Investigating Collegiate Natural Drinking Groups," \$177,531

SDSU Research Foundation

Mr. W. Timothy Hushen

Science Applications International Corporation: "Student Services: Substance Abuse Prevention Research," \$8,612; "Student Services: Evaluating the Navy and Marine Corps Medical Care System," \$57,697

Interdisciplinary Programs

Dr. Gordon Lee (Electrical and Computer Engineering), Dr. Eric Frost (Geological Sciences) and Mr. Barry Janov (SDSU Research Foundation)

Space and Naval Warfare Systems Command: "Speech Watermarking for Communications Authentication," \$19,999; "Linked Oil Spilled Model for Pearl Harbor," \$75,000