

Research News

March 20, 2008

Volume 29, No. 7

Office of Sponsored Programs and Research (OSPR)

Cleveland State University

<http://www.csuohio.edu/uored/index.html>

OSPR Announcements

Fulbright Information Session

Center for International Services & Programs (www.csuohio.edu/international)

Date: Monday April 7, 2008

Time: 12:30PM – 2:30PM

Location: Dively Community Seminar Room, Urban College, Room 108

The Center for International Services and Programs will host an information workshop on Fulbright programs and opportunities. Ms. DEBRA EGAN, Assistant Director of the Council on International Education, will conduct the workshop. In addition interested faculty and administrators may arrange for an individual appointment with Ms. Egan. She will be available from 9-11:30 in the Center for International Services and Programs. To make an appointment, please call 687-3910 or send an email to g.burke@csuohio.edu. If you are unable to make either the general session or make an individual appointment and are interested in learning more about Fulbright opportunities, please contact CISP at X3910. For more information about the Fulbright 2009-10 opportunities visit the CIES web site at http://www.cies.org/us_scholars/us_awards/ or read the Fulbright announcement in this issue (under "Federal Grants").

Fellowships and Residencies Available from Veterans Administration

U.S. Department of Veterans Affairs (VA) (www.va.gov)

Office of Academic Affiliations (www.va.gov/oaa/default.asp)

URL: http://www.va.gov/oaa/residencies_fellowships.asp

Mission: As one of four statutory missions, the Department of Veterans Affairs (VA) conducts an education and training program for health professions students and residents to enhance the quality of care provided to veteran patients within the Veterans Health Administration (VHA) healthcare system. In accordance with this mission, "To educate for VA and for the Nation", education and training efforts are accomplished through coordinated programs and activities in partnership with affiliated U.S. academic institutions.

Type of Fellowships Available:

- Nursing (Pre- and Post-Doctoral)
- Rehabilitation Research (Pre-Doctoral)
- Social Work (Pre-Doctoral)

Advanced Fellowships:

Profound changes are occurring in the U.S. healthcare system. Rapid technological advances, changing economic and demographic factors and the growth of managed healthcare have caused dramatic shifts and demands in patient care. The VA Advanced Fellowships Program helps address these demands by offering post-residency fellowships to physicians and dentists in emerging health professions of particular importance to VA and the nation. The program provides outstanding opportunities for post-residency research, education, and clinical training in these emerging professions. Through creative partnerships, use of new technology, and innovative educational modalities, the VA Advanced Fellowships Program promotes and fosters the highest standards of leadership, intellectual integrity, research, and patient care.

Types of Advanced Fellowships:

- Dental Research
- Advanced Geriatrics
- Geriatric Neurology
- Health Services Research and Development
- Medical Informatics
- Multiple Sclerosis
- National Quality Scholars
- Parkinson's Disease (PADRECC)
- Patient Safety
- Psychiatric Research/Neurosciences
- Advanced Psychiatry and Psychology
- The Robert Wood Johnson (RWJ) Clinical Scholars
- Schizophrenia Research
- Advanced Spinal Cord Injury Medicine
- Substance Abuse Treatment
- Health Issues of Women Veterans
- War Related and Unexplained Illness Fellows

Additional information on any of the above fellowships can be found through the URL listing above.

Federal Grant-Maker Announcements

New "Frequently Asked Questions" Added to OLAW Website

National Institutes of Health (www.nih.gov)

URL: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-08-058.html>

The NIH Office of Laboratory Animal Welfare (OLAW) has added new Frequently Asked Questions (FAQs) to their web page at: <http://grants.nih.gov/grants/olaw/faqs.htm>. OLAW developed the new FAQs in response to requests for guidance on these topics. Topics include minority reporting, FOIA, adoption of research animals as pets, safety during shipping, and preparing for a pandemic. Institutions are encouraged to review OLAW FAQs and make use of this resource. The new FAQs have been added to previously posted FAQs and are marked as "NEW" to enable readers to quickly locate and review this new guidance. To print a copy of the FAQs, use the print function located at the upper right portion of the webpage, above the search box. OLAW accepts questions, suggestions and comments relating to the FAQs and other information posted on OLAW Web pages. Communications can be directed to the E-mail address found below in the contact information.

For questions or further information, contact:

Office of Laboratory Animal Welfare
Office of Extramural Research
National Institutes of Health
RKL1, Suite 360
6705 Rockledge Drive
Bethesda, MD 20892-7982
Telephone: 301-496-7163
Fax: 301-402-2803
E-mail: olaw@od.nih.gov

Standard Research Grant Terms and Conditions Debut

National Science Foundation (www.nsf.gov)

Story Source: *Federal Grants & Contracts Weekly*, January 31, 2008, Vol. 32, No. 6

URL: <http://www.nsf.gov/bfa/dias/policy/rtc>

The Office of Science and Technology Policy gave the go-ahead last week for a new standard core set of administrative terms and conditions on research grants to be used government-wide.

The set of common terms, eagerly awaited by research institutions, is designed to bring greater consistency in administering federal research grants across agencies. Colleges and universities that receive grants from multiple science agencies have long lobbied for greater uniformity in award documents, arguing that different agency practices have cost them time and money.

"Federal agencies' awarding offices currently include different award requirements, use different language to state the same requirements and organize the award content differently," OSTP conceded in its Jan. 25 *Federal Register* notice, adding that most differences are unnecessary since general grant requirements stem from common government-wide laws and rules.

"Given the increasing complexity of interdisciplinary and interagency research, it has become increasingly important for federal agencies to manage awards in a similar fashion."

OSTP said agencies that have been piloting the standard terms, developed in collaboration with the Federal Demonstration Project, must use the final core set of administrative requirements "to the maximum practicable extent" in making research grants to institutions subject to OMB Circular A-110. The circular sets administrative requirements for grants to higher education institutions, hospitals, and nonprofits.

Agencies, may add requirements specific to the agency, program or award, but only when necessary. OSTP encourages other agencies to replace requirements with the core set and refrain from supplementing the standard requirements.

"This is exactly what we have been working for," said FDP Executive Director David Wright. "About the only thing more that we could have hoped for would have been that the terms and conditions would have been *mandated* across the government, but I think that would be a stretch."

Anthony DeCrappeo, president of the Council on Government Relations, an FDP member also hailed the announcement. "The publication is a significant accomplishment that fulfills a major achievement of the FDP," he said.

“COGR was enthusiastic in supporting the creation of a standard set of research and research-related award terms and conditions,” he noted. In comments on the preliminary proposal which was published in 2005, COGR urged the development of specific criteria for supplementing the standard core to avoid broad agency derivations.

“COGR recommended that the responsibility for managing modifications and additions to the standard terms and conditions be clear to avoid deterioration in the core set,” he said.

In addition to the terms and conditions, two additional documents are part of the package: one dealing with sub-award flow-down requirements, which apply to sub-grants and contracts and the other, a matrix that outlines national policy requirements.

Grant Application Changes

National Institutes of Health (www.nih.gov)

URL: <http://www.grants.nih.gov/grants/guide/notice-files/NOT-OD-08-026.html>

The National Institutes of Health issues important changes to grant application guidance and for appointment of study section members. Notices include:

- Modified Application Submission, Referral and Review for Appointed NIH Study Section Members, which gives reviewers on chartered NIH study sections deadline flexibility for submitting their own research applications.
- NIH Policy on Late Submission of Grant Applications.
- Notice that appendices to the basic paper 398 Public Health Service grant application must now be submitted on CD.
- Additional information can be found at the URL link provided.

NSF scrutinizes system; tweaks to support science

National Science Foundation (www.nsf.gov)

Story Source: *Federal Grants & Contracts Weekly*, January 10, 2008, Vol. 32, No. 3

URL: http://www.nsf.gov/news/newsmedia/IPAMM_Report_Final.pdf

Like the National Institutes of Health, the National Science Foundation is in the throes of analyzing the way the agency makes grants. The fallout could be changes in time-worn policies and practices affecting investigators and their institutions.

Aided by a major analysis begun two years ago, NSF is focusing on its so-called IPAMM activity, based on a fine-grained study and a large-scale survey of stakeholders. The Impact of Proposal and Award Management Mechanisms working group was tasked with studying factors involved with declining success rates in recent years and making recommendations to achieve a balance between proposal funding rates, award sizes, and award duration.

NSF’s funding rate for research proposals decreased from 30 percent to 21 percent from fiscal 2000 to 2006, and it wasn’t due to budget cuts.

Following are key findings:

- NSF funding rates declined due to a surge in proposals, as NSF was making a concerted effort to increase the average award size (absorbing overall NSF budget growth), although the annual number of awards stayed constant.
- Proposals increased as the applicant pool increased – due in part to growth in the research community’s capacity, decreases in funding from other sources and

increased in targeted solicitations in new areas – and the number of proposals per applicant increased.

- NSF's peer review system is under stress, putting increased demands on reviewers and posing challenges to maintaining scientific integrity and quality.
- The overall decrease in funding rate has affected the entire NSF proposer community proportionately. There has been no disparate effect on any particular group.
- Reduced funding rates and increased proposal submission have increased work for all.
- The quality of proposals submitted and awarded has not declined due to increased competition or lowered funding rates.

In short, the panel concluded there's no single factor involved in the decline in success rates and no easy answers to managing proposal submissions and funding rates, or establishing a balance between funding rate and award size. As a result, the workgroup offered a series of recommendations dealing with multiple aspects of the grant enterprise.

The recommendations, currently under study by the National Science Board, NSF's policy making body, emphasize a customized approach, paying attention to the specific program environment and priorities. Use the URL link above to view final report.

HHS IG Urges Rewrite of Conflict of Interest Rule

HHS – Office of the Inspector General (OIG) (www.oig.hhs.gov)

Story Source: *Federal Grants & Contracts Weekly*, January 24, 2008, Vol. 32, No. 5

URL: <http://www.oig.hhs.gov/oei/reports/oei-03-06-00460.pdf>

The DHHS Inspector General has informed the NIH that they must monitor grantee conflict of interest more aggressively and effectively. Currently NIH rules are weak. General practice requires that a potential grantee must report any conflicts of interest prior to submitting a grant to NIH and elsewhere. But in a study that reviewed about 400 Conflict of Interest reports to the NIH Office of Extramural Research (OER) and to the 24 institutes (2004 – 2006), the investigators reported that they found the following:

- NIH, rather than do its own tracking, relies on the reports submitted to it by grantee institutions via assurances.
- NIH lacks a central tracking mechanism to follow conflicts of interest and therefore cannot supply an accurate accounting of financial conflict-of-interest reports.
- NIH's primary method of oversight is reliance on grantee institutions' assurances that regulations are followed.

The IG has stated, based on the study, that NIH must gather enough details from its grantees to be able to identify concerns and monitor grantee compliance. IG recommended that NIH require institutes to forward to OER all reports they receive to ensure that the new conflict-of-interest database which the agency will soon unveil will, in fact, be "an accurate picture" of the number and nature of financial conflicts. Further, the IG recommended that NIH "increase oversight of grantee institutions to ensure their compliance with federal financial conflicts of interest regulations, require grantee institutions to provide details regarding the nature of financial conflicts of interest and how they are managed, reduced, or eliminated. IG urged NIH to work to amend current rules to require data."

NIH Director Elias Zerhouni concurred with most of the recommendations, but pointed out that NIH is not a regulatory agency and is not responsible for noting and dealing with

financial conflict of interests – which is the job of potential grantee institutions. View the complete report at the above URL.

Community-Based Participatory Research (CBPR) Technical Assistance Workshop

National Institutes of Health (NIH) (www.nih.gov)

Office of Behavioral and Social Sciences Research (OBSSR) (<http://obssr.od.nih.gov>)

Notice Number: NOT-OD-08-052

CBPR URL: http://grants.nih.gov/grants/training/esaig/cbpr_sig.htm

Webcast URL: <http://videocast.nih.gov/PastEvents.asp>

On February 29, 2008, the Office of Behavioral and Social Sciences Research, National Institutes of Health, sponsored a technical assistance workshop on Community-based Participatory Research (CBPR). Because the purpose of the workshop was to highlight the advancements of CBPR and to talk about the CBPR Funding Opportunity Announcements released on January 16, 2008, NIH has made possible a free video-cast of the workshop and it is found at the above Webcast URL. It can be accessed by visiting the webcast URL above and looking under “Conferences” for the link. For complete details including the agenda and presenters, please visit the CBPR SIG website at the above CBPR URL.

The Program announcements appropriate to CBPR are:

PA-08-074 (<http://grants.nih.gov/grants/guide/pa-files/PA-08-074.html>) Community Participation in Research (R01);

PAR-08-075 (<http://grants.nih.gov/grants/guide/pa-files/PAR-08-075.html>) Community Participation Research Targeting the Medically Underserved (R01); and

PAR-08-076 (<http://grants.nih.gov/grants/guide/pa-files/PAR-08-076.html>) Community Participation Research Targeting the Medically Underserved (R21).

This video-cast is a full-day workshop. The presenters include NIH Program Directors and Chiefs, members of the NIH CBPR Scientific Interest Group (SIG), Director of the Health Resources and Services Administration (HRSA) Shortage Designation Branch, and two pairs of successful CBPR partners.

NIH staff describes CBPR and discuss topics including its advantages and presence at NIH, grant writing tips, and how to prepare a responsive application to the recently released CBPR Funding Opportunity Announcements. Presenters share recommendations for successfully navigating the NIH review process. Presentations cover effective CBPR Interventions and funding announcements as well as CBPR partnerships including guidance on establishing partnerships and how to overcome potential challenges.

Inquiries regarding this notice should be directed to:

Dana M. Sampson, M.S.

Office of Behavioral and Social Sciences Research

National Institutes of Health

31 Center Drive

Building 31, Room B1C19

Bethesda, MD 20892

Email: Sampsond@od.nih.gov

Federal Grants

Older Americans' Mental Health

Substance Abuse & Mental Health Services Administration (SAMHSA)

(www.samhsa.gov)

Deadline: March 28, 2008

Awards: \$4.2 million for 10 awards of up to \$415,400 a year each for up to 3 years.

URL: http://www.samhsa.gov/Grants/2008/sm_08_008.aspx

The Substance Abuse and Mental Health Services Administration invites applications for targeted capacity expansion grants to help communities increase mental health services for persons 60 and older with mental health problems. At least 25 percent of grant funds should be devoted to providing direct services. Another 25 percent should be applied toward building the mental health infrastructure for helping that age group. SAMHSA also seeks applications by March 27 for grants to expand substance abuse treatment and HIV/AIDS services in minority communities (http://www.samhsa.gov/Grants/ti_08_006.aspx) Use the URL link above for additional information and application guidelines.

ARO Young Investigator Program (YIP)

Department of the Army (www.arl.army.mil)

Deadline: March 31, 2008

Award: up to \$300,000

URL:

<http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/08-r-0002.pdf>

ARO's Young Investigator Program (YIP) seeks to identify and support academic scientists who have received Ph.D. or equivalent degrees within the last five years (on or after 01 November 2002 for this FY08 competition) and who show exceptional promise for doing creative research. The objectives of this program are to attract outstanding faculty members of Institutions of Higher Education (hereafter also called "universities") to the Department of the Army's research program, to support their research, and to encourage their teaching and research careers. This YIP program is in addition to a YIP Program described in the open ARO BAA W911NF-07-R-0003. Please use the URL link above to access the full announcement.

Ethics Education in Science & Engineering

National Science Foundation (www.nsf.gov)

Deadline: April 10, 2008

Award: \$1.9 million for 5 to 12 awards for 36 months

URL: <http://www.nsf.gov/pubs/2007/nsf07541/nsf07541.htm>

The National Science Foundation invites proposals for research and education projects to improve ethics education in all of the fields of science and engineering that NSF supports, including in interdisciplinary and inter-institutional activities. Proposals must focus on improving ethics education for graduate students, developing summer post-baccalaureate ethics education activities, or activities that transition students to graduate education. NSF is particularly interested in proposals addressing issues involving international or global context and those addressing issues of intellectual property, including scientific publishing. Additional information can be obtained through the URL link provided.

Community Participation in Research

Centers for Disease Control and Prevention (www.cdc.gov)

National Institutes of Health (www.nih.gov)

Deadline: Feb. 5, June 5, and Oct. 5

Awards: There is no set aside. Funding for research project grants (R01) varies.
The project period is up to 5 years.

URL: <http://grants.nih.gov/grants.guide/pa-files/PA-08-074.html>

The Centers for Disease Control and Prevention and the National Institutes of Health invite proposals for intervention research on health promotion, disease prevention, and health disparities jointly conducted by community representatives and researchers. The initiative focuses on quasi-experimental research projects that seek to influence preventive behaviors, adherence to treatment and related attitudes and beliefs. Natural experiments also may fall under the interventions rubric. Among other areas, projects may emphasize: promotion of physical and activity-friendly neighborhoods; tobacco, alcohol, and drug abuse prevention among youth; community-led action plans for cancer, hypertension, and cardiovascular disease prevention and control in minority population; establishing safer work practices; and nutrition and reducing childhood obesity. Additional information and application guidelines can be found at the URL link above.

Risky Anthropology

National Science Foundation (www.nsf.gov)

Deadline: Anytime

Award: Up to \$250,000 total for one year to assess the feasibility of a project.

URL: <http://www.nsf.gov/pubs/2008/nsf08523/nsf08523.htm>

The National Science Foundation seeks applications for anthropological research conducted under difficult circumstances that may offer potentially significant scientific payoff. The program supports pilot projects for proof of concept, proof of access or collection or ephemeral data and transient phenomena. Tip: Investigators must contact the NSF program director before submitting a proposal to determine whether the proposed work is appropriate. Additional information can be obtained through the URL link provided.

Fulbright Program 2009-2010

Competitions and Deadlines

The Fulbright Program (<http://www.cies.org/>)

Department of State (www.state.gov)

Bureau of Educational and Cultural Affairs (<http://exchanges.state.gov/>)

Council for International Exchanges of Scholars (www.cies.org)

Center for International Services & Programs (<http://www.csuohio.edu/internat/>)

Deadlines (http://www.cies.org/us_scholars/us_awards/ApplicationDeadline.htm)

- August 1
 - Traditional Fulbright lecturing, lecturing/research and research awards worldwide
 - Fulbright Distinguished Chairs Program
- November 1
 - U.S.-Japan International Education Administrators Program
 - U.S.-Korea International Education Administrators Program
 - Fulbright German Studies Seminar
- February 1
 - U.S.-Germany International Education Administrators Program

The Fulbright Program is sponsored by the United States Department of State, Bureau of Educational and Cultural Affairs. Under a cooperative agreement with the Bureau, the Council for International Exchange of Scholars (CIES) assists in the administration of the Fulbright Scholar Program for faculty and professionals.

The Traditional Fulbright Scholar Program

This signature program sends 800 US faculty and professionals abroad each year. Grantees lecture and conduct research in a wide variety of academic and professional fields. Eligibility requirements apply at the time of application. Applicants must meet all of the requirements—unless specific exemptions are stated in individual country or award descriptions. Applicants will be considered without regard to race, color, religion, sex, age, national origin and/or physical impairment – complete details are available at this URL: http://www.cies.org/us_scholars/us_awards/Eligibility.htm. Fulbright has revised the limitation on how often and when one may hold a Traditional Scholars appointment – for these important details, visit this URL: <http://www.cies.org/message1.htm>. The application is online at http://www.cies.org/us_scholars/us_awards/ApplicationInstructions.htm.

Fulbright Visiting Specialists

Deadline: April 1, 2008 (for calendar year 2009 awards)

URL: http://www.cies.org/Visiting_Specialists/

The Fulbright Visiting Specialists Program: "*Direct Access to the Muslim World*" seeks to deepen the American understanding of Islamic civilization and the history, politics, and culture of today's Muslim world. At the same time, the program strives to strengthen our understanding of relevant global issues. US colleges and universities may host specialists from countries with significant Muslim populations for short-term programs of intensive lecturing, public outreach, and consultation. The specialist will lecture on and off campus in a variety of humanities and social science disciplines, including the arts, with a focus on Islamic society or civilization. The program encourages interfaith dialogues through on-campus and off-campus activities. The specialists also will work with the US host institutions on projects such as curriculum consultation, faculty development, and institutional linkage-building.

Fulbright offers a wide range of programs and opportunities to scholars, educators, and professionals. To understand the wide reach of this program a visit to the CIES web site is strongly advised by OSPR. In addition, CSU offers exceptional on campus help through assistance from Dr. George Burke. You may reach Dr. Burke at g.burke@csuhio.edu or call CISP at Ext. 3910.

Rosa Parks Sculpture Design Competition

National Endowment for the Arts (NEA) (www.nea.gov)

Funding Opportunity Number: 2008NEA03RPSC

Deadline: May 30, '08 - 11:59PM EDT (Receipt of application satisfies)

Notification of Semi-Finalists: August 1, 2008

First Round: \$10,000 to selected artists for 2nd round work (see below)

Final Award: \$100,000 - \$250,000 to finalist

Cost Sharing/Matching Funds: Not Required

CFDA Number: 45.024 – Promotion of the Arts Grants to Organizations/Individuals

Grants.gov URL: <http://www07.grants.gov/search/search.do?mode=VIEW&opId=40922>

Program URL: <http://www.nea.gov/grants/apply/RosaParks.html>

Congress has authorized a public competition for the creation of a statue commemorating Rosa Parks, the civil rights pioneer. The statue will reside in the National Statuary Hall in the US Capitol. National Endowment for the Arts, in partnership with the Architect of the Capitol and the Joint Committee on the Library, will administer the competition. The competition will reward a commission provided by the Architect of the Capitol (on behalf of the Congress); this is not a grant competition. Specifications for the statue will be found at the above URL. The artist will be responsible for documenting the development of the piece and for carrying the concept through to completion. An individual may submit only one application. Following review of the initial applications, the Architect of the Capitol will contract with up to ten artists, providing each with \$10,000 for the creation of a maquette, drawings, and other material for further review. Following the second level of review, the Architect of the Capitol will enter into a contract for the sculpture commission of \$100,000 to \$250,000 to the selected artist. This amount will cover the production and casting of the sculpture; design and production of the base; packing, shipping, and installation; and the artist's fee. It also will cover documentation of the entire process. Applicants must be:

- U.S. citizens.
- Able to demonstrate the ability to produce portraits. and
- Have significant experience in the sculpting and casting of large-scale bronze works.

Individuals are required to submit their applications electronically through Grants.gov, the federal government's online application system. All details are found at the above Program URL.

Clean Energy & Defense

The Defense Advanced Research Projects Agency (DARPA)

Deadline: February 27, 2009

Solicitation #: BAA08-22

URL: <http://www1.fbo.gov/spg/ODA/DARPA/CMO/BAA08-22/SynopsisP.html>.

The mission of the Defense Advanced Research Projects Agency's (DARPA) Defense Sciences Office (DSO) is to identify and pursue high-risk/high-payoff research initiatives throughout a broad spectrum of the science and engineering disciplines and to transform these initiatives into important, radically new military capabilities. To carry out this mission, DSO seeks research ideas and areas that might lead to innovations in science and engineering. Therefore, DSO is soliciting proposals for advanced research and development in a variety of enabling technical areas.

The Defense Advanced Research Projects Agency (DARPA) has issued a Broad Agency Announcement (BAA) for proposals for Defense Sciences Research & Technology. Areas of interest include, but are not limited to: New approaches to engine designs to improve performance and efficiency; new approaches to harvesting solar energy; materials and enabling technologies for power generation, energy storage at all scales; and new non-carbon-based fuel sources. Responses due 2/27/09.

Contact
BAA Administrator
E-mail: BAA08-22@darpa.mil

Wind Powering America
U.S. Department of Energy (DOE) (www.doe.gov)

Deadline: April 3, 2008
Award: Up to 22 awards with total awarded at \$422K
Solicitation #: DE-PS36-08GO98012
URL: <https://e-center.doe.gov/iips/faopor.nsf/UNID/E8A5CD7A5784E92985257402007276FD?OpenDocument>

The U.S. Department of Energy requests proposals for Wind Powering America State Outreach, for projects that focus on state and community level outreach, specific agriculture outreach, formation of wind working groups (WWG), and other initiatives to stimulate wind and rural economic development. \$422K expected to be available, up to 22 awards anticipated. Visit the above URL for complete details.

Contact
Pat Liles
E-mail: pat.liles@doe.gov

Solar America

U.S. Department of Energy (www.doe.gov)
Deadline: April 18, 2008
Award: 6-10 subcontracts for up to \$3M each
Solicitation #: LOI-No-RAT-8-88012
URL: <http://www2.fbo.gov/spg/DOE/NREL/NR/LOI-No-RAT-8-88012/SynopsisP.html>

The U.S. Department of Energy, National Renewable Energy Laboratory, requests proposals for the Solar America Initiative PV Technology Incubator. This initiative is targeted at R&D of PV cell and module prototypes with demonstrated functionality in either large-area coupon form or, preferably, prototypes produced in pilot-scale operations. The primary objective is to shorten the timeline for companies to transition prototype and pre-commercial PV technologies into pilot and full-scale manufacture. 6 to 10 subcontracts anticipated for up to \$3 million each. Responses due 4/18/08. For more info, contact William Algiene at william_algiene@nrel.gov or go to: <http://www2.fbo.gov/spg/DOE/NREL/NR/LOI-No-RAT-8-88012/SynopsisP.html>. Refer to Sol# LOI-No-RAT-8-88012. (FBO 3/5/08)

The National Renewable Energy Laboratory (NREL) has issued a Solicitation for Letters of Interest (LOIs) to U.S. Small Businesses for the development of prototype photovoltaic (PV) modules and pilot production. This LOI is in support of U.S. Department of Energy's (DOE's) Solar America Initiative (SAI). Authorized under the Energy Policy Act of 2005, the SAI represents a significant enhancement of DOE's business strategy of partnering with the U.S. industry to accelerate commercialization of PV system research and development (R&D) to meet aggressive cost and installed capacity goals. This Solicitation is targeted at R&D on PV cell and module prototypes with demonstrated functionality in either large-area coupon form or, preferably, prototypes produced in pilot-scale operations. The emphasis on proposed activities should be on the barriers to manufacturing scale-up and 2010 commercialization. The primary objective of this program is to shorten the timeline for companies to transition prototype and pre-commercial PV technologies into pilot and full-scale manufacture. Responders to this solicitation are expected to focus their efforts on a limited number of high impact module technical improvement opportunities that lie on the critical path to scaling-up their technology to full manufacture. The minimum entrance criterion is a demonstrated coupon-scale PV cell or process lab devices or modules. The successful exit criterion is for prototype modules and pilot production demonstration of greater than 3MW/year. Subject to the availability of funds, it is anticipated that 6 to 10 subcontracts, up to \$3M each, will be awarded as 18 month phased subcontracts. A Net Conference regarding

the project is scheduled for Monday, March 17, 2008, 9:30 A.M. Mountain Time. The Solicitation is available to view/download from NREL's website at:
http://www.nrel.gov/business_opportunities/solicitations_rfps.html.

Vehicle Technologies

U.S. Department of Energy (DOE) (www.doe.gov)

Deadline: April 22, 2008

Award: Up to 4 awards with total program \$13M

Solicitation #: DE-PS26-08NT01045-00

URL: [https://e-](https://e-center.doe.gov/iips/faopor.nsf/8df825feb86675de852564650046faea/e840fe496a431c78852573fe00633a96?OpenDocument)

[center.doe.gov/iips/faopor.nsf/8df825feb86675de852564650046faea/e840fe496a431c78852573fe00633a96?OpenDocument](https://e-center.doe.gov/iips/faopor.nsf/8df825feb86675de852564650046faea/e840fe496a431c78852573fe00633a96?OpenDocument)

The U.S. Department of Energy has issued a Master Funding Opportunity Announcement for the Vehicle Technologies Program. Areas of interest include: 1) Solid State Energy Conversion for Vehicular Heating, Ventilation and Air Conditioning and Waste Heat Recovery, 2) Materials and Manufacturing Technologies for High Energy Lithium-ion Batteries, and 3) Fleet Evaluation and Factory Installation of Aerodynamic Heavy-Duty Truck Trailers. \$13 million expected to be available, up to 4 awards anticipated. Responses due 4/22/08.

Contact

Janet Laukaitis

E-mail: Janet.Laukaitis@netl.doe.gov

Arctic Research

National Science Foundation (www.nsf.gov)

Deadline: October 10, 2008

Award: Up to 40 awards with program total of \$16M

Solicitation #: 06-603

URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06603

The National Science Foundation requests proposals for Arctic Research Opportunities including field and modeling studies and data analysis. Through this initiative, NSF seeks to gain a better understanding of the Earth's physical, biological, geological, chemical, social and cultural processes, and the interactions of ocean, land, atmosphere, biological, and human systems in the Arctic. \$16 million expected to be available, up to 40 awards anticipated. Responses due 10/10/08.

Contact

Renee Crain

E-mail: rcrain@nsf.gov

Climate Change Impacts and Adaptations

U.S. Department of Energy (www.doe.gov)

Deadline: April 14, 2008

Award: Up to 10 awards with program total \$850K

Solicitation #: DE-PS02-08ER08-18

URL: [https://e-](https://e-center.doe.gov/iips/faopor.nsf/UNID/21D2E680BB53A056852573EF006B1A32?OpenDocument)

[center.doe.gov/iips/faopor.nsf/UNID/21D2E680BB53A056852573EF006B1A32?OpenDocument](https://e-center.doe.gov/iips/faopor.nsf/UNID/21D2E680BB53A056852573EF006B1A32?OpenDocument)

The U.S. Department of Energy requests proposals for Basic Research and Modeling to Support Integrated Assessment of Climate Change Impacts and Adaptations. Through this initiative, DOE seeks projects that advance the fundamental methodologies for analysis of climate change impacts and adaptations, including innovative models and approaches. \$850K expected to be available, up to 10 awards anticipated. Pre-applications are required and are due 3/10/08, final applications are due 4/14/08.

Contact

Melanie Becker

E-mail: melanie.becker@science.doe.gov

Climate Change and Water Quality

U.S. Environmental Protection Agency (www.epa.gov)

Deadline: May 8, 2008

Award: Up to 5 awards with program total \$4.5M

Solicitation #: EPA-G2008-STAR-D1

URL: http://es.epa.gov/ncer/rfa/2008/2008_star_gcwq.html

The U.S. Environmental Protection Agency requests proposals for Consequences of Global Change for Water Quality, and Early Career Projects. The goal of these solicitations is to assemble modeling systems capable of capturing important linkages between regional climate drivers and terrestrial hydrologic systems and to apply these modeling systems to improve the overall understanding of the sensitivity of key water quality or aquatic ecosystem management targets to the types of climate changes anticipated over the next several decades. \$4.5 million expected to be available, up to 5 awards anticipated.

Responses due 5/8/08.

Contact

Darrell Winner

E-mail: winner.darrell@epa.gov

Biomaterials

National Science Foundation (www.nsf.gov)

Deadline: November 7, 2008

Award: Not indicated

Solicitation #: PD-06-7623

URL: <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=10760>

The National Science Foundation seeks proposals for the Biomaterials Program, for projects focused on the study of biologically related materials and phenomena, including biological pathways to new materials. The materials and systems of interest include biomolecules, biomolecular assemblies, biomolecular systems, and biomimetic, bioinspired, or biocompatible materials. The amount of available funding was not indicated in the announcement. Responses due 11/7/08.

Contact

David Brant

E-mail: dbrant@nsf.gov

Efficiency in U.S. Manufacturing Industries

U.S. Department of Energy (www.doe.gov)

Deadline: Letters of intent April 9, 2008, Final proposals May 7, 2008

Award: Up to 10 awards with program total \$35M

Solicitation #: DE-PS36-08GO98015

URL: <http://e-center.doe.gov/iips/faopor.nsf/1be0f2271893ba198525644b006bc0be/25dd5c4c7fa3d070852574040072f711?OpenDocument>

The U.S. Department of Energy requests proposals for Collaborative Energy Efficiency and Carbon Footprint Research and Demonstration for the U.S. Manufacturing Industry. Through this initiative, DOE seeks to develop transformational industrial processes and equipment to reduce the energy intensity and the carbon footprint of the U.S. manufacturing industry.

Technical areas of interest include: Iron and Steel Technologies, Alternative Chemical Process Technologies, Forest Products Technologies and Energy Intensive Processes. \$35 million expected to be available, up to 10 awards anticipated. Letters of Intent are requested but are not required and are due 4/9/08, final proposals due 5/7/08.

Contact

Anne Elkins

E-mail: itp@go.doe.gov

Instruments for Materials Research

National Science Foundation (www.nsf.gov)

Deadline: January 8, 2009

Award: Up to 25 awards with program total \$4M

Solicitation #: 07-600

URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07600

The National Science Foundation requests proposals for Instrumentation for the Materials Research (IMR) Program. IMR supports the acquisition and/or development of research instruments that will provide new capability and/or advance current capability to: Discover fundamental phenomena in materials; synthesize, process, and/or characterize the composition, structure, properties, and performance of materials; and improve the quality, expand the scope, and foster and enable the integration of research and education in research-intensive environments. \$4 million expected to be available, up to 25 awards anticipated. Responses due 1/8/09.

Contact

Charles Bouldin

E-mail: cbouldin@nsf.gov

International Research in Homeland Security Science & Technology Mission Areas

Department of Homeland Security (DHS) (www.dhs.gov)

Office of Procurement Operations - Grants Division

Grants.gov URL: <http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40993>

Full Announcement:

<http://www07.grants.gov/search/announce.do;jsessionid=HpcQMkcrGWfvhsPnJmfmfJrkntxxZ9qFT4IJZ1ppHytvrpTTzHJf!-588035725>

DHS) Science and Technology (S&T) Directorate is soliciting applications for international research projects aligned with the mission and requirements of DHS S&T. These projects should be designed to augment and complement, through international research and collaboration, the depth and breadth of homeland security science and technology research.

Specifically, the S&T Directorate seeks proposals that will contribute to homeland security science and technology, including but not limited to:

- Evaluation of novel tools or approaches to confronting homeland security challenges;
- Basic research to provide data, understandings, or models that support S&T efforts or policy decisions; and
- S&T and operations research evaluations to support revolutionary improvements in DHS's mission and its component agencies' operations.

University Programs

Department of Homeland Security (DHS) (www.dhs.gov)

Program URL: http://www.dhs.gov/xres/programs/editorial_0555.shtm

The University Program seeks to "Stimulate, coordinate, leverage, and utilize the unique intellectual capital in the academic community to address current and future homeland security challenges, and educate and inspire the next generation homeland security workforce." To accomplish that mission UP focuses on:

Foster a homeland security culture within the academic community through research and educational programs.

Strengthen U.S. scientific leadership in homeland security research; generate and disseminate knowledge and technical advances to advance the homeland security mission. Generate and disseminate knowledge and technical advances to advance the homeland security mission.

Integrate homeland security activities across agencies engaged in relevant academic research.

Create and leverage intellectual capital and nurture a homeland security science and engineering workforce.

There are several programs that universities can investigate:

- Department of Homeland Security Centers of Excellence:
http://www.dhs.gov/xres/programs/editorial_0498.shtm
The Homeland Security Centers of Excellence (HS-Centers) bring together leading experts and researchers to conduct multidisciplinary research and education for homeland security solutions. The centers are authorized by Congress and chosen by the Department's Science & Technology Directorate through a competitive selection process. Each center is led by a university in collaboration with partners from other institutions, agencies, laboratories, think tanks, and the private sector.
- Scholarships and Fellowships (<http://www.orau.gov/dhsed/>)
The DHS Scholarship and Fellowship Program is intended for students interested in pursuing the basic science and technology innovations that can be applied to the DHS mission. This education program is intended to ensure a highly talented science and technology community to achieve the DHS mission and objectives.

Eligible students must be studying in a homeland security related science, technology, engineering and mathematics (HS-STEM) field with an interest in one of the homeland security research areas listed below:

- a. Explosives Detection, Mitigation and Response
- b. Social, Behavioral, and Economic Sciences
- c. Risk and Decision Sciences
- d. Human Factors Aspects of Technology

- e. Chemical Threats and Countermeasures
 - f. Biological Threats and Countermeasures
 - g. Food and Agriculture Security
 - h. Transportation Security
 - i. Border Security
 - j. Immigration Studies
 - k. Maritime and Port Security
 - l. Infrastructure Protection
 - m. Natural Disasters and Related Geophysical Studies
 - n. Emergency Preparedness and Response
 - o. Communications and Interoperability
 - p. Advanced Data Analysis and Visualization
- Fellowships Office of Policy and Global Affairs
[\(http://www7.nationalacademies.org/fellowships/\)](http://www7.nationalacademies.org/fellowships/)
 The US Department of Energy's National Energy Technology Laboratory (NETL) announces a new Academies Research Fellowship program designed to support the development of METHANE HYDRATE science and enable highly qualified postgraduate students to pursue advanced degrees in an area of increasing importance to the Nation. The 2- or 3-year fellowship will be made available to support work towards M.S. and Ph.D. degrees, or in a Postdoctoral appointment. The Methane Hydrates Fellowship Application and Support Document forms can be found on the fellowships web site.

The DHS fellowship office currently administers the following programs:
 Ford Foundation Diversity Fellowships for Achieving Excellence in College and University Teaching which are designed to increase the diversity of the nation's college and university faculties by increasing their ethnic and racial diversity, to maximize the educational benefits of diversity, and to increase the number of professors who can and will use diversity as a resource for enriching the education of all students. Pre-doctoral fellowships support study toward a Ph.D. or Sc.D.; Dissertation fellowships offer support in the final year of writing the Ph.D. or Sc.D. thesis; Postdoctoral Fellowships offer one-year awards for Ph.D. recipients. Applicants must be U.S. citizens in research-based fields of study.

The Research Associate-ship Programs administer Postdoctoral (within 5 years of the doctorate) and Senior (normally 5 years or more beyond the doctorate) Research Awards sponsored by federal laboratories at over one hundred locations in the United States and overseas and are given for the purpose of conducting research in areas that are of interest to them and to the host laboratories and centers.

Jefferson Science Fellows spend one year at the U.S. Department of State as advisers on science policy.

Vietnam Education Foundation seeks to improve the science infrastructure in Vietnam. Fellowships are provided to Vietnamese students who wish to pursue graduate degrees in fields of science in the United States.

2008 Adolescent Family Research

Department of Health and Human Services (DHHS) (www.dhhs.gov)

Office of Public Health and Science (OPHS) (www.hhs.gov/ophs)

Funding Opportunity Number:

PA-APR-08-020

Deadline: May 15, 2008
Refer to the grant announcement for information regarding application submission requirement, due date, and time.
Expected Number of Awards: 1
Estimated Total Program Funding: \$100,000
Award Ceiling: \$100,000
Award Floor: \$100,000
Cost Sharing or Matching Requirement: No
CFDA Number: 93.111-Adolescent Family Life Research Grants
Grants.gov URL:
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17198>
Program URL: <http://www.hhs.gov/opa/grants/index.html>

The Adolescent Family Life (AFL) Demonstration and Research program, created in 1981 as Title XX of the Public Health Service Act, supports both demonstration and research grants. Within OPA, the Office of Adolescent Pregnancy Programs (OAPP) is responsible for administering the program. The AFL program is funded at \$29.8 million in fiscal year 2008.

The AFL program supports demonstration projects to develop, implement and evaluate program interventions to promote abstinence from sexual activity among adolescents and to provide comprehensive health care, education and social services to pregnant and parenting adolescents. The program supports two basic types of demonstration projects: (1) prevention demonstration projects to develop, test, and use curricula that provide education and activities designed to encourage adolescents to postpone sexual activity until marriage, and (2) care demonstration projects to develop interventions with pregnant and parenting teens, their infants, male partners, and family members in an effort to ameliorate the effects of too-early-childbearing for teen parents, their babies and their families. The AFL program also funds grants to support research on the causes and consequences of adolescent premarital sexual relations, adolescent pregnancy and parenting.

This program is authorized by Section 2008 of the Public Health Service Act. This announcement seeks applications from any public or private non-profit or for-profit entity to survey, review and assess AFL funded research to assist the OPA in developing a new AFL research agenda that is directly applicable to prevention and care demonstration projects also supported through the AFL program. Since 1982, the OPA has awarded 84 research grants through the AFL program. The OPA would now like to review this body of AFL funded research systematically and then, taking into account what has already been done, develop a new research agenda to build on past work and the questions that arose from it, as well as explore more current or emerging topics that have not yet been addressed. Any public or private non-profit or for-profit entity located in any State, the District of Columbia, or any United States territory, commonwealth, or possession is eligible to apply for a cooperative agreement under this announcement. Faith-based organizations are eligible to apply for this AFL research cooperative agreement. All details are available in the RFP, which is a Word document from the program URL.

NASA SALMON & PEAs

Announcement of Opportunity

Stand Alone Missions of Opportunity Notice (SALMON)

Program Element Appendices (PEAs)

National Aeronautics and Space Administration (NASA)

www.nasa.gov/home/index.html

NASA Headquarters www.nasa.gov/centers/hq/home/index.html

Funding Opportunity Number: NNH08ZDA00?O
Release Date: March 14, 2008
Comment Due Date: April 4, 2008
Funding Instrument Type: Cooperative Agreement Grant
Category of Funding Activity: Science and Technology and other Research
CFDA Number: 00.000 -- Not Elsewhere Classified
Cost Sharing or Matching Requirement: No
Grants.gov URL: <http://www07.grants.gov/search/search.do?mode=VIEW&oppId=40989>
Program URL: <http://nspires.nasaprs.com/external/>
Find the AO at: <http://nspires.nasaprs.com/>
SALMON FAQs: <http://salmon.larc.nasa.gov/index.html>

The NASA Stand Alone Missions of Opportunity Notice (SALMON) is intended to provide regular opportunities for science and technology investigations on space flight missions that advance the high priority science, technology, and exploration objectives of NASA's four Mission Directorates. This five year Omnibus Announcement of Opportunity (AO) will incorporate regular Program Element Appendices (PEAs) for general Mission of Opportunity (MO) proposal opportunities as well as focused proposal opportunities for specific flight opportunities.

This AO will include domestic and foreign-led mission opportunities. PEAs will solicit proposals addressing specific topics of interest from the four NASA Mission Directorates.

Proposals will typically be solicited in one or more of five MO categories:

- Partner Missions of Opportunity,
- U.S. Participating Investigators,
- New Science Missions using Existing Spacecraft,
- Small Complete Missions, and
- Focused Opportunities

NASA is releasing a DRAFT of the SALMON AO for community review and comment. The five PEAs included in this DRAFT solicit:

- Lunar and Planetary Science Partner Missions of Opportunity,
- Lunar and Planetary Science U.S. Participating Investigators,
- Small Complete Missions of Opportunity in Astrobiology,
- Fundamental Space Biology, Earth Science U.S. Participating Investigators, and
- Astrophysics U.S. Participating Investigators.

Participation in this AO will be open to all categories of organizations (U.S. and non-U.S.), including educational institutions, industry, not-for-profit organizations, Federally Funded Research and Development Centers (FFRDCs), NASA Centers, the Jet Propulsion Laboratory (JPL), and other Government agencies. NASA welcomes critical review and comment of this DRAFT, which will be available from March 14, 2008, through April 4, 2008, via the web site listed above as "Find the AO at".

Participants will send comments to:

Dr. Carlos Liceaga
Science Mission Directorate
NASA Headquarters
Washington, DC 20546-0001
E-mail: Carlos.A.Liceaga@nasa.gov

Comments are preferred in writing and may be sent by E-mail; the character string "SALMON DRAFT AO" (without quotes) should be included in the subject line of all transmissions. The identity of those submitting comments will be held in confidence.

Answers to frequently asked questions about this DRAFT will be made available on the SALMON Acquisition Additional Information web page – the URL is listed above as SALMON FAQs.

Private and Corporate Grants

Program in the Neuroimmunology of Brain Infections and Cancers

Dana Foundation (www.dana.org)

Deadline: April 1, 2008

Award: \$200,000 for 3-year period

URL: <http://www.dana.org/grants/neuroimmunology/>

Specifically, the foundation will be inviting studies of 1) immune-based therapies for primary brain tumors, and for metastases to the brain of other cancers; 2) immune responses to infections in the brain, including but not limited to viral encephalitis, meningitis, cerebral malaria, and prion diseases; and 3) how the immune system affects the brain and how the brain modifies immune function.

Each U.S. medical school dean, as well presidents of the few selected biomedical research institutions that have been invited by letter, may nominate one proposal. Investigators at institutions that are affiliated with a medical school are eligible to apply only through their affiliated medical school by submitting an application to the medical school dean. Projects involving collaborations with NIH intramural researchers or industry scientists are acceptable.

Support is focused primarily on providing research support to faculty researchers early in their career, at the assistant professor level, and/or early in their associate professor career. Established researchers pioneering efforts in these two fields (brain infections and cancers) are eligible to apply; post-doctoral fellows are not.

Visit the Dana Foundation Web site for the complete Request for Proposals.

Brodsky Grant

Alzheimer's Foundation of America (www.alzfdn.org)

Deadline: May 15

Award: \$30,000

URL: <http://www.alzfdn.org/services/apply-grant.shtml>

As demand increases nationwide for support services for individuals with Alzheimer's disease and their families, the [Alzheimer's Foundation of America](http://www.alzfdn.org) has announced that it will be accepting applications for the Brodsky Grant, a \$30,000 award to an innovative program or service that improves the lives of those affected by the brain disorder.

Through the grant, AFA seeks to fund a program that is innovative, meets the greatest need, and can be successfully put into practice and later replicated in other communities.

The grant process is open only to AFA's nonprofit member organizations.

In addition to the Brodsky Grant, AFA awards grants twice a year, in the spring and fall, to multiple AFA member organizations in support of programs and services that improve quality of life for individuals with dementia and their families.

To find out more about AFA membership and AFA's grant programs, visit the foundation's Web site.

Grand Challenges Explorations

Proposals Sought for Innovative Global Health Research

Bill & Melinda Gates Foundation (BMGF) (www.gatesfoundation.org)

Grant Challenges Explorations (www.gcgh.org/explorations)

Application Window: March 31 through May 30, 2008

Required Intent to Apply: By May 15, 2008

Total Program funding: \$100M

Amount per grant: \$100,000 (with possible renewal up to \$1M+)

Online Application URL: www.gcgh.org/explorations/How_to_Apply.htm

The Bill & Melinda Gates Foundation will begin accepting application to this new program on March 31, 2008. This will be the first funding round of Grand Challenges Explorations, a new \$100 million initiative to help scientists across the globe pursue ideas that have never before been tested for solving major health problems. This program expands the BMGF initiative, *Grand Challenges in Global Health*, which the foundation started in 2003 to encourage discovery of new technologies to improve global health. The Explorations initiative focuses on research areas where creative, unorthodox thinking is most urgently needed. "Breakthrough ideas can come from anywhere, and we hope this new process will encourage a broad range of scientists from around the world to bring their ideas to the table," said Dr. Tachi Yamada, president of the Gates Foundation's Global Health Program. "We're especially interested in reaching people who work outside the field of global health, innovators in the developing world, and young investigators."

Grand Challenges Explorations will use an accelerated grant-making process that will require applications of two pages only and no preliminary data required. BMGF The foundation will select and award grants within approximately three months from the proposal submission deadline of May 30, 2008. Once the first Explorations funding round is complete, the foundation will announce subsequent funding rounds. Topics may vary over time, to cover a range of priorities in global health research. The first funding round of Grand Challenges Explorations will consider proposals in four topic areas. Full descriptions of the initial topic areas and application instructions are available at www.gcgh.org/explorations/topics. The current topics are:

Creating new ways to protect against infectious diseases: Untried or unproven approaches to protect against infectious diseases, including harnessing natural or synthetic immune responses, or eliminating the need for an effective immune response.

Creating drugs or delivery systems that limit the emergence of resistance: Innovative ideas for discovering or delivering drugs that are less likely to lose effectiveness because of resistance developing in the disease-causing agent.

Creating new ways to prevent or cure HIV infection: Innovative ideas for HIV prevention or treatment methods that fall outside current research on vaccines, antiretroviral drugs, and other biomedical and behavior-change strategies.

Exploring the basis for latency in TB: Unconventional approaches to understanding latent TB infection, with the goal of discovering new ways to identify and eliminate latent infection, and break the cycle of TB transmission.

Projects showing success will have the opportunity to receive additional funding of \$1 million or more. Questions about the program are submitted on line through a form – there is no contact person. URL: <http://www.gcgh.org/explorations/question.htm>. Interested parties can sign up for email updates at <http://www.gcgh.org/emailsignup/default.aspx>

Scientific Literacy Achievements

The Invitrogen Foundation (www.invitrogen.com)

URL: <http://www.invitrogen.com/content.cfm?pageid=12185&cid=fl-FOUNDATION>

The Invitrogen Foundation is committed to strengthening the pipeline of future life scientists. Funding and partnership opportunities that address the following areas of interest will be considered:

- Life science education for students, beginning at the high school level
- Professional development for high school and community college instructors
- Programs that are broad in scope and reach students and/or educators from a variety of geographic locations are preferred.
- Special consideration is also given to programs that target groups traditionally underrepresented in the life sciences, including but not limited to women and diverse populations

Through outreach and education, the Invitrogen Foundation also seeks to increase society's understanding of the life sciences and their critical role in addressing global issues.

Programs and initiatives that address these objectives are preferred:

- Educating community leaders about the importance of life science, particularly as it relates to education, economic strength and global health
- Activities and initiatives that demonstrate thought leadership
- Museum and traveling exhibits, community events and public lectures, that reach a broad, cross-section of the population
- Special consideration is also given to programs that have a global dimension

The application and specific program information can be found through the URL link above.

Fellowships: Institutional/Individual

Sloan Research Fellowships

Alfred P. Sloan Foundation (www.sloan.org)

Deadline: (Nominations) September 15 for awards to begin the following September.

Award: \$45,000 per year

Duration: 2-years

URL: http://www.sloan.org/programs/fellowship_brochure.shtml

Candidates are required to hold the Ph.D. (or equivalent) in chemistry, physics, mathematics, computer science, economics, neuroscience or computational and evolutionary molecular biology, or in a related interdisciplinary field, and must be members of the regular faculty (i.e., tenure track) of a college or university in the United States or Canada. They may be no more than six years from completion of the most recent Ph.D. or equivalent as of the year of their nomination, unless special circumstances such as military

service, a change of field, or child rearing are involved or unless they have held a faculty appointment for less than two years. If any of the above circumstances apply, the letter of nomination should provide a clear explanation. While Fellows are expected to be at an early stage of their research careers, there should be strong evidence of independent research accomplishments. Candidates in all fields are normally below the rank of associate professor and do not hold tenure, but these are not strict requirements. The Alfred P. Sloan Foundation welcomes nominations of all candidates who meet the traditional high standards of this program, and strongly encourages the participation of women and members of underrepresented minority groups.

Interested candidates should use the URL link above for complete information regarding requirements and submission guidelines.

Fulbright Program 2009-2010 - Competitions and Deadlines

The Fulbright Program (<http://www.cies.org/>)

Department of State (www.state.gov)

Bureau of Educational and Cultural Affairs (<http://exchanges.state.gov/>)

Council for International Exchanges of Scholars (www.cies.org)

Center for International Services & Programs (<http://www.csuohio.edu/internat/>)

Deadlines (http://www.cies.org/us_scholars/us_awards/ApplicationDeadline.htm)

- August 1
 - Traditional Fulbright lecturing, lecturing/research and research awards worldwide
 - Fulbright Distinguished Chairs Program
- November 1
 - U.S.-Japan International Education Administrators Program
 - U.S.-Korea International Education Administrators Program
 - Fulbright German Studies Seminar
- February 1
 - U.S.-Germany International Education Administrators Program

The Fulbright Program is sponsored by the United States Department of State, Bureau of Educational and Cultural Affairs. Under a cooperative agreement with the Bureau, the Council for International Exchange of Scholars (CIES) assists in the administration of the Fulbright Scholar Program for faculty and professionals.

The Traditional Fulbright Scholar Program

This signature program sends 800 US faculty and professionals abroad each year. Grantees lecture and conduct research in a wide variety of academic and professional fields. Eligibility requirements apply at the time of application. Applicants must meet all of the requirements—unless specific exemptions are stated in individual country or award descriptions. Applicants will be considered without regard to race, color, religion, sex, age, national origin and/or physical impairment – complete details are available at this URL: http://www.cies.org/us_scholars/us_awards/Eligibility.htm. Fulbright has revised the limitation on how often and when one may hold a Traditional Scholars appointment – for these important details, visit this URL: <http://www.cies.org/message1.htm>. The application is online at http://www.cies.org/us_scholars/us_awards/ApplicationInstructions.htm.

Additional Programs

Fulbright Visiting Specialists

Deadline: April 1, 2008 (for calendar year 2009 awards)
URL: http://www.cies.org/Visiting_Specialists/

The Fulbright Visiting Specialists Program: "*Direct Access to the Muslim World*" seeks to deepen the American understanding of Islamic civilization and the history, politics, and culture of today's Muslim world. At the same time, the program strives to strengthen our understanding of relevant global issues. US colleges and universities may host specialists from countries with significant Muslim populations for short-term programs of intensive lecturing, public outreach, and consultation. The specialist will lecture on and off campus in a variety of humanities and social science disciplines, including the arts, with a focus on Islamic society or civilization. The program encourages interfaith dialogues through on-campus and off-campus activities. The specialists also will work with the US host institutions on projects such as curriculum consultation, faculty development, and institutional linkage-building.

Fulbright offers a wide range of programs and opportunities to scholars, educators, and professionals. To understand the wide reach of this program a visit to the CIES web site is strongly advised by OSPR. In addition, CSU offers exceptional on campus help through assistance from Dr. George Burke. You may reach Dr. Burke at g.burke@csuhio.edu or call CISP at Ext. 3910.

2009 PhRMA Foundation Post Doctoral Program

PhRMA (www.pharmafoundation.org)

Deadline: September 1, 2008
Award: \$40,000 annual stipend paid directly to school
URL: <http://www.pharmafoundation.org/awards/informatics/postdoc.php>

The PhRMA Foundation Post Doctoral program in Informatics provides stipend support for individuals engaged in a multidisciplinary research training program that will create or extend their credentials in informatics. The intent of this program is to support post doctoral career development activities of individuals preparing to engage in research that will bridge the gap between experimental and computational approaches in genomic and biomedical studies. It is anticipated that this research training will be accomplished in academic and/or industrial laboratory settings where multidisciplinary teams are organized to address problems which span the range of biological complexity rather than focus on the application of single technologies. The sponsor (mentor) of the post doctoral program must describe how the multidisciplinary goals of the research training program will be accomplished and provide assurance that key collaborating mentors endorse and are willing to support the training plan.

Eligible applicants must either (1) hold a PhD degree in a field of study logically or functionally related to the proposed post doctoral activities, or (2) expect to receive the PhD before activating the award. They must also have a firm commitment from an accredited U.S. university and be a U.S. citizen or permanent resident. Complete information, including online application, can be found at the URL link above.

Policy and Global Affairs Fellowships

The National Academies (www.nationalacademies.org)

The Fellowship Office of PGA administers pre-doctoral, dissertation, and postdoctoral fellowship programs in research-based fields of study. This office currently administers the following fellowship programs:

Ford Foundation Diversity Fellowships for Achieving Excellence in College and University Teaching

URL: <http://www7.nationalacademies.org/fordfellowships/index.html>

The Ford Foundation Diversity Fellowships seek to increase the diversity of the nation's college and university faculties by increasing their ethnic and racial diversity, to maximize the educational benefits of diversity, and to increase the number of professors who can and will use diversity as a resource for enriching the education of all students.

To facilitate this goal the Fellowship grants awards at the Pre-doctoral, Dissertation and, Postdoctoral levels to students who demonstrate excellence, a commitment to diversity and a desire to enter the professoriate.

The Research Associateship Programs

URL: <http://www7.nationalacademies.org/rap/>

Administering Postdoctoral (within 5 years of the doctorate) and Senior (normally 5 years or more beyond the doctorate) Research Awards sponsored by federal laboratories at over one hundred locations in the United States and overseas and are given for the purpose of conducting research in areas that are of interest to them and to the host laboratories and centers.

Jefferson Science Fellows

URL: <http://www7.nationalacademies.org/jefferson/>

Tenured academic scientists and engineers from U.S. institutions of higher learning are eligible for selection to be Jefferson Science Fellows. Each Fellow will spend one year at the U.S. Department of State or the U.S. Agency for International Development (USAID) for an on-site assignment in Washington, D.C. that may also involve extended stays at U.S. foreign embassies and/or missions. All JSF assignments will be designed in consultation with regional and/or functional bureaus within the U.S. Department of State/USAID. While in general JSF assignments will involve providing up-to-date expertise in the rapidly advancing STE arenas that routinely impact the policy decisions encountered by the U.S. Department of State/USAID, each Fellow will also be expected to become conversant with the functional operation of the U.S. Department of State/USAID. In doing so, the JSF program complements and enhances the existing efforts by both the continuing employees within the U.S. Department of State/USAID and other temporary fellows supported by non-governmental organizations who address STE issues. Following the fellowship year, the Jefferson Science Fellow will return to his/her academic career, but will remain available to the U.S. Department of State/USAID for short-term projects over the following five years.

Vietnam Education Foundation

The Vietnam Education Foundation (VEF) is an independent federal agency created by the U.S. Congress. With administrative support from the National Academies Fellowship Office, the VEF brings talented Vietnamese nationals to leading U.S. universities for graduate and post-graduate training in science, engineering and technology. The goal is to strengthen the U.S.-Vietnam bilateral relationship through educational exchanges in science and technology. The VEF Fellowship competition is open to Vietnamese nationals, including those already accepted and those not yet accepted into graduate programs. All applicants will be considered based on their past academic performance, intellectual capability, and scientific potential. The application periods and additional details about the program are available on the [VEF website](#).

To view all of these programs and to read full descriptions, visit the URL at the top of this announcement.

Student Funding Opportunities

Film Your Issue: Short Film Competition

Bill & Melinda Gates Foundation (www.gatesfoundation.org)

Deadline: April 14, 2008

Award: \$5,000 scholarship from the Gates Foundation

URL: <http://www.filmyourissue.com/index.shtml>

Film Your Issue is an outreach to young Americans to engage them in the public dialogue about issues of pressing importance, either locally or nationally. The program goals are to discover what young people think; to enable the next generation of leaders to understand how a single voice can influence public debate; and to help young people to understand the power of democracy - where every voice counts. Interested candidates are encouraged to show their "passion, ingenuity, creativity, originality." The URL above is the link for all applicable rules and guidelines for submission of videos.

State Farm Youth Advisory Board

State Farm (www.statefarm.com)

Deadline: April 18, 2008

Award: Associate youth advisory board members receive a \$3,000 scholarship toward their postsecondary education at a four-year, two-year, or vocational training program. Board members receive a \$5,000 scholarship.

URL: <http://www.statefarmyab.com/index.php>

The State Farm youth advisory board is comprised of thirty young adults between the ages of 17 and 20 from communities across the United States and Canada, with three at-large members representing State Farm's national service-learning partners. The board's mission is to create and oversee a signature service-learning initiative to address pressing issues that have a direct impact on communities. The youth board is responsible for identifying these issues, overseeing the site selections and grantmaking process, providing technical assistance to the site grantees, and assisting with communications and outreach.

Students selected to serve on the board will serve as an associate member in 2008, with the option to serve as a board member in 2009.

Additional information about application procedures for the board can be found at the URL link provided above.

Prospects for Peace Interns

The Century Foundation (TCF) (www.tcf.org)

URL: <http://www.prospectsforpeace.com>

The Century Foundation, a nonpartisan research foundation with offices in Washington, D.C. and New York City, seeks part-time paid interns for its Prospects for Peace (P4P) Initiative in its Washington D.C. office. Established in September 2006, this Initiative seeks through dialogue and policy research to inform and enrich the American policy debate on long-running conflicts in the Middle East, and most specifically the Arab-Israeli conflict. By

emphasizing engagement and peacemaking in the Middle East, the Initiative aims to challenge the existing consensus and promote pragmatic and creative policy solutions to the longstanding tensions in the region. The candidates seek applicants with a demonstrated interest in International Affairs, specifically Middle Eastern political affairs. A strong academic background, with the ability to conduct incisive research and to write well, is critical. Organizational skills are important and required.

Interns will help to organize events, assist in maintaining the program's blog, provide administrative support, and assemble research materials. The position requires a minimum time commitment of 15-20 hours per week; however interns are encouraged to extend these hours if possible. This position will be starting as soon as possible. For more information on the program and the kind of policy it supports, please visit the above URL. Interested applicants should send a cover letter and resume indicating dates of availability to Elly Arnoff at arnoff@tcf.org. Only those applicants selected for an interview will be contacted.

Young Native Writers Essay Contest

Holland & Knight Charitable Foundation (foundation.hklaw.com)

Deadline: April 15, 2008

Award: 5 First-Place winners receive an all-expense-paid trip to Washington, D.C. and a scholarship ranging from \$1,000-\$5,000 to be paid directly to college or university of choice.

URL: <http://www.indian.hklaw.com/2008/index.asp>

Students responding to this year's writing contest should present in an essay of no more than 1,200 words, (a) specific or general struggles and/or triumphs of Native Americans in history or in today's world, based on the students experiences and scholarly research; and (b) how the writer will use his or talents to enhance the future of his or her own Native American community. See contest rules below for complete details and submission requirements.

SUBJECT SUGGESTIONS: Subject suggestions include, but are not limited to, Native American involvement in treaties, governments (Federal and Tribal), languages, education, folklore, religion, entertainment, health, nutrition, media, sports, and current events.

SOURCES OF INFORMATION: In preparation for writing, students should draw from their own personal knowledge and research information from a variety of sources. Primary and secondary source material could include: historical and reference material, interviews, personal experiences, oral testimonies, official documents, diaries, letters, autobiographies, newspapers, academic journals, films and television movies, CD-ROM, and Internet sources.

The URL link above will provide all of the necessary guidelines and application procedures required.

Child Care Research Scholars - Dissertation Support

Department of Health and Human Services (DHHS) (www.dhhs.gov)

Administration for Children and Families (ACF) (www.acf.hss.gov)

Funding Opportunity Number: HHS-2008-ACF-OPRE-YE-0010

Deadline: May 13, 2008 -- by 4:30 PM EDT

Expected Number of Awards: 6

Estimated Total Program Funding: \$150,000

Award Ceiling: \$30,000
Award Floor: \$0
CFDA Number: 93.575 - Child Care and Development Block Grant
Cost Sharing Requirement: No
Grants.gov URL: <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=17191>
Program URL: <http://www.acf.hhs.gov/grants/open/HHS-2008-ACF-OPRE-YE-0010.html>
Previously Funded: <http://www.acf.hhs.gov/programs/ccb/research/index.htm#scholars>

Funds for Child Care Research Scholars grants are available to support dissertation research on child care policy issues in partnership with State Child Care and Development Fund (CCDF) lead agencies.

The Child Care and Development Fund (CCDF) has five primary goals:

- (1) to allow States flexibility to develop child care programs and policies that best suit the needs of children and parents within the State;
- (2) to promote parental choice to empower working parents to make their own decisions on the child care that best suits their family's needs;
- (3) to encourage States to provide consumer education information to help parents make informed choices about child care;
- (4) to provide child care to parents trying to achieve economic self-sufficiency; and
- (5) to assist States in implementing health, safety, licensing, and registration standards.

Among the expected long-term outcomes of the CCDF are

- (1) improved employment and self-sufficiency outcomes for parents; and
- (2) increased availability of high quality child care for low-income working families.

To ensure that research is responsive to the changing needs of low-income families, partnerships between the graduate student, his/her mentor and the CCDF lead agency are essential. This partnership ensures the research will be policy-relevant and is the foundation that fosters skills necessary to build the graduate student's career trajectory of successful partnership-building and contributions to the policy and scientific communities. For the purposes of this year's grants, low-income working families include families receiving Temporary Assistance for Needy Families (TANF), families who have transitioned off the TANF program, or low-income working parents at risk of needing TANF benefits. The specific goals of the Child Care Research Scholar grants are described in the full RFP, which may be found at the Program URL listed above this description.

Since 2000, Congress has appropriated about \$10 million per year of CCDF discretionary funds to be used for child care research and evaluation. These funds have supported projects that add to our knowledge about the efficacy of child care subsidy policies and programs in supporting employment and self-sufficiency outcomes for parents, and providing positive learning and school readiness outcomes for children. Previously funded Child Care Research Scholars have made significant contributions to the child care policy research field. To learn about previously funded Child Care Research Scholars projects, please visit the Previously Funded URL at the top of this announcement.

University Programs

Department of Homeland Security (DHS) (www.dhs.gov)

Program URL: http://www.dhs.gov/xres/programs/editorial_0555.shtm

The University Program seeks to “Stimulate, coordinate, leverage, and utilize the unique intellectual capital in the academic community to address current and future homeland security challenges, and educate and inspire the next generation homeland security workforce.”

To accomplish that mission UP focuses on

1. Foster a homeland security culture within the academic community through research and educational programs.
2. Strengthen U.S. scientific leadership in homeland security research; generate and disseminate knowledge and technical advances to advance the homeland security mission.
3. Generate and disseminate knowledge and technical advances to advance the homeland security mission.
4. Integrate homeland security activities across agencies engaged in relevant academic research.
5. Create and leverage intellectual capital and nurture a homeland security science and engineering workforce.

There are several programs that universities can investigate:

- Scholarships and Fellowships (<http://www.ora.gov/dhsed/>)
The DHS Scholarship and Fellowship Program is intended for students interested in pursuing the basic science and technology innovations that can be applied to the DHS mission. This education program is intended to ensure a highly talented science and technology community to achieve the DHS mission and objectives.

Eligible students must be studying in a homeland security related science, technology, engineering and mathematics (HS-STEM) field with an interest in one of the homeland security research areas listed below:

- a. Explosives Detection, Mitigation and Response
 - b. Social, Behavioral, and Economic Sciences
 - c. Risk and Decision Sciences
 - d. Human Factors Aspects of Technology
 - e. Chemical Threats and Countermeasures
 - f. Biological Threats and Countermeasures
 - g. Food and Agriculture Security
 - h. Transportation Security
 - i. Border Security
 - j. Immigration Studies
 - k. Maritime and Port Security
 - l. Infrastructure Protection
 - m. Natural Disasters and Related Geophysical Studies
 - n. Emergency Preparedness and Response
 - o. Communications and Interoperability
 - p. Advanced Data Analysis and Visualization
- Fellowships Office of Policy and Global Affairs (<http://www7.nationalacademies.org/fellowships/>)
The US Department of Energy’s National Energy Technology Laboratory (NETL) announces a new Academies Research Fellowship program designed to support the development of METHANE HYDRATE science and enable highly qualified postgraduate students to pursue advanced degrees in an area of increasing importance to the Nation. The 2- or 3-year fellowship will be made available to support work towards

M.S. and Ph.D. degrees, or in a Postdoctoral appointment. The Methane Hydrates Fellowship Application and Support Document forms can be found on the fellowships web site.

The DHS fellowship office currently administers the following programs: Ford Foundation Diversity Fellowships for Achieving Excellence in College and University Teaching which are designed to increase the diversity of the nation's college and university faculties by increasing their ethnic and racial diversity, to maximize the educational benefits of diversity, and to increase the number of professors who can and will use diversity as a resource for enriching the education of all students. Pre-doctoral fellowships support study toward a Ph.D. or Sc.D.; Dissertation fellowships offer support in the final year of writing the Ph.D. or Sc.D. thesis; Postdoctoral Fellowships offer one-year awards for Ph.D. recipients. Applicants must be U.S. citizens in research-based fields of study.

The Research Associate-ship Programs administer Postdoctoral (within 5 years of the doctorate) and Senior (normally 5 years or more beyond the doctorate) Research Awards sponsored by federal laboratories at over one hundred locations in the United States and overseas and are given for the purpose of conducting research in areas that are of interest to them and to the host laboratories and centers.

Jefferson Science Fellows spend one year at the U.S. Department of State as advisers on science policy.

Vietnam Education Foundation seeks to improve the science infrastructure in Vietnam. Fellowships are provided to Vietnamese students who wish to pursue graduate degrees in fields of science in the United States.

Funding for Students and Graduates

Office of Sponsored Programs and Research (www.csuohio.edu/uored/about/index.html)

URL: <http://www.csuohio.edu/uored/student.html>

There are many sources for funding undergraduate and graduate students during their educational lives. CSU continues to assist students in presenting funding opportunities. In addition to the Financial Aid department, the Office of Sponsored Programs and Research has links that are updated frequently regarding scholarships and fellowships for education. The URL link above takes the researcher to a listing of funding sites and recommended sites by OSPR. Including this specific page for students, OSPR publishes this monthly newsletter, announcing current funding opportunities.

There are many suggested and good funding sources. The student must be willing to devote time and energy in finding appropriate scholarships. The categories of funding are listed as:

- CSU Links – Funding and Student Information
- OSPR Recommended Sites
- Federal Opportunities
- State of Ohio Funding Opportunities
- Commercial Sites
- Related Sites

An excellent link located under the OSPR Recommended Sites is the Michigan State University Grants for Individuals (<http://www.lib.msu.edu/harris23/grants/3subject.htm>).

“This compilation focuses primarily on funding opportunities for individuals, such as financial aid or scholarships for students, rather than funding for nonprofit organizations.” Located on

this page includes specific links based on different categories and main headings as: by academic level, by population group, by subject, and electronic databases. Michigan State University also has a specific page dedicated to military veterans and those engaged with military science at <http://www.lib.msu.edu/harris23/grants/3veteran.htm>.