



# Funding Resources

Office of Research, University of California, Santa Barbara

July/August 2009

## Campus & Agency News

The Research Development unit of the Office of Research at the University of California, Santa Barbara publishes *Funding Resources*.

It is distributed by electronic subscription to interested faculty, researchers, students, and staff with campus e-mail addresses.

*Funding Resources* also appears in PDF format on the Office of Research website <http://research.ucsb.edu/> under "Research Development" then "Funding Opportunities" or go directly to [http://www.research.ucsb.edu/resources/funding\\_resources\\_newsletter.shtml](http://www.research.ucsb.edu/resources/funding_resources_newsletter.shtml).

Research Development maintains information on a variety of funding programs in order to assist UCSB researchers and staff in seeking extramural funds for research, training, and public-service projects.

Copies of announcements or application forms may be obtained from the Office of Research at ext. 8891 or [funding@research.ucsb.edu](mailto:funding@research.ucsb.edu). Newsletter items list sponsor contact information. You are encouraged to discuss your project with the agency prior to submission.

### RESEARCH DEVELOPMENT CONTACTS

- Carla Whitacre, Director, Research Development [whitacre@research.ucsb.edu](mailto:whitacre@research.ucsb.edu) or 893-3925
- Barbara Walker, Director, Social Science Research Development [blewalker@isber.ucsb.edu](mailto:blewalker@isber.ucsb.edu) or 893-3576
- Marcia Meier, Research Communications Coordinator [meier@research.ucsb.edu](mailto:meier@research.ucsb.edu) or 893-7345
- Jackie Hunt, Officer, Research Development [funding@research.ucsb.edu](mailto:funding@research.ucsb.edu) or 893-8891

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## Research Development in Transition

Jackie Hunt will be leaving her position as Research Development Officer to begin professional school this fall at UCLA, undertaking a Master of Public Policy program. She'll be leaving us in early August. UCLA is lucky to have her and the non-profit world will be gaining a strong advocate and effective leader when she completes her studies.

Meanwhile, Jackie has graciously agreed to transition our newest recruit, Whitney Winn, who is already training in the Research Development position. Whitney, a California native, has just completed a Master of Library and Information Science (MLIS) at UCLA after receiving her bachelor's degree in linguistics at the College of William and Mary in Virginia. We'll all look forward to her insights into how to organize, deal with, and perhaps even eliminate the extraneous info and paper that threatens to overwhelm our work lives.

And finally, after 32 years at UCSB and 20 years in the Office of Research, Research Development Director Carla Whitacre has announced her retirement at the beginning of October. Vice Chancellor Michael Witherell will begin recruiting for her replacement soon.

## Avoid Delays in Funding

Often, among the criteria for continued funding on federal awards is the judgment of satisfactory progress, availability of funds, and receipt and approval of the required annual report. Sponsored Projects has noticed an increasing number of federal agencies that are disapproving progress reports, those annual reports generally required before continued funding on multi-year awards is released to the principal investigator. In addition to jeopardizing the continuation funding, absent or unaccepted reports may also delay—or in some cases even eliminate—awards on which the PI is involved for other proposals to that agency. In one instance, an NSF division director recently threatened to award a grant recommended to a UCSB team to another institution if the deficiencies on a co-PIs progress report for an active award weren't rectified within a one-day window.

The reasons for considering a submitted report insufficient vary—from not including required endorsements, to being substantially similar to previously submitted reports, to the PI cutting and pasting from published articles in peer-reviewed journals rather than crafting a coherent explanation of progress being made. While these reports may have seemed *pro forma* in the past, federal agencies may now be under increased scrutiny by the Office of Management and Budget to improve program effectiveness and to be accountable for achieving program results. Whatever the reasons, it is incumbent on PIs to submit reports in a timely fashion and to ensure that the report cover all the information requested by the agency. Failure to do so risks delayed or withdrawn funding. You should consult with your Sponsored Projects team if you have questions regarding the reporting requirements for your grants and contracts.

## Final NIH Guidelines on Human Stem Cell Research

NIH has published new guidelines to implement President Barack Obama's Executive Order 13505: *Removing Barriers to Responsible Scientific Research Involving Human Stem Cells*, which was issued in March of this year.

These guidelines reflect the Executive Order as it pertains to extramural NIH-funded stem cell research, establishes policy and procedures under which the NIH will fund such research, and helps ensure that NIH-funded research in this area is ethically responsible, scientifically worthy, and conducted in accordance with applicable law. Internal NIH policies and procedures, consistent with Executive Order 13505 and these guidelines, will govern the conduct of intramural NIH stem cell research.

For full text guidelines and the NIH response to the public comments received regarding the earlier draft, see <http://stemcells.nih.gov/policy/2009guidelines.htm>.

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### Campus Honors and Awards

- **John Bowers**, director of the Institute for Energy Efficiency and professor of electrical and computer engineering, has been appointed to the Fred Kavli Chair in Nanotechnology.
- **Bradley Cardinale**, assistant professor of ecology, evolution, and marine biology, has received the 2009-10 Harold J. Plous Award from UCSB. The award is given annually to an assistant professor from the humanities, social sciences, or natural sciences who has shown exceptional achievement in research, teaching, and service to the university.
- **Carol Genetti**, associate dean of the Division of Humanities and Fine Arts and professor of linguistics, was awarded the Association for Linguistic Typology Georg von der Gabelentz Award for her book "Grammar of Dolakha Newar."
- **Pekka Härmäläinen**, associate professor of history, has received the Great Plains Distinguished Book Prize from the University of Nebraska for his book "The Comanche Empire."

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### New DARPA Director: Regina E. Dugan

On July 2 the Department of Defense announced the selection of Regina E. Dugan as the new director of the Defense Advanced Research Projects Agency (DARPA).

Dr. Dugan earned a doctorate in mechanical engineering from the California Institute of Technology and was most recently employed as president and CEO of RedXDefense, LLC, a company she founded in 2005 that develops defense against explosive threats.

Dugan was previously a program manager with the agency and is the first woman to direct DARPA. <http://www.defenselink.mil/releases/release.aspx?releaseid=12784>

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### Defense University Research Instrumentation Program Announced

The Defense University Research Instrumentation Program (DURIP FY 2010) guidelines are now available from the Department of Defense. This program provides funding from the Army Research Office, the Office of Naval Research, and the Air Force Office of Scientific Research. DURIP aims to improve the capabilities of "U.S. institutions of higher education to conduct research and to educate scientists and engineers in areas important to national defense, by providing funds for the acquisition of research equipment."

The solicitation, AFOSR-BAA-2009-5, is available at <http://www.grants.gov/search/search.do?mode=VIEW&oppld=48438>. The deadline for proposals is September 15, 2009.

Approximately \$40 million is available in FY10 for grants to purchase research equipment costing \$50,000 or more, for items that typically cannot be purchased within the budgets of single-investigator awards. With very few exceptions an individual award may not exceed \$1,000,000 in DoD funding. In FY 2009, 222 awards totaling \$52.5 million were made. Awards ranged from approximately \$50,000 to \$1,000,000 averaging \$235,000. The DURIP awards are typically one year in length. Cost sharing is not required. To preserve discretionary funds for mandatory commitments, the Deans and the Vice Chancellor for Research do not intend to provide cost-sharing on DURIP proposals. Questions should be directed to Carla Whitacre, Director, Research Development at ext. 3925 or [whitacre@research.ucsb.edu](mailto:whitacre@research.ucsb.edu).

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### New UCSB Professional Development Program for STEM Scholars

UCSB Graduate Division and the Vice Chancellor for Research recently announced that the California NanoSystems Institute (CNSI), the UCSB Writing Program and the Society of Postdoctoral Scholars (SoPS) will offer a professional development program for postdoctoral scholars in science, engineering, and mathematics, beginning in Fall 2009. This intensive program will focus on the knowledge and practical experience essential for the success of postdoctoral scholars and future faculty. The program focuses on three main topics: 1) teaching and mentoring, 2) communicating science, and 3) networking and interviewing. Each topic will be addressed in two-hour workshops and intensive multi-afternoon sessions.

This addition to the campus portfolio of mentoring and professional development opportunities for postdoctoral scholars will assist faculty in complying with NSF guidelines requiring a mentoring plan in any proposal that requests funding for postdoctoral scholars.

The Professional Development for Postdoctoral Scholars (PDPDS) program is sponsored by the Office of Research, the College of Engineering, the Division of Mathematical, Life, and Physical Sciences in the College of Letters and Science, the California NanoSystems Institute, and the Graduate Division.

For more information on the PDPDS program, and for assistance in incorporating details of the program into research proposals, please contact Meredith Murr, Program Director ([murr@cnsi.ucsb.edu](mailto:murr@cnsi.ucsb.edu), 893-3360). For curriculum information, see [http://www.research.ucsb.edu/resources/documents/Postdoc\\_Prof\\_Dev.pdf](http://www.research.ucsb.edu/resources/documents/Postdoc_Prof_Dev.pdf).

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### NSF Realigms Division of Chemistry Programs

In May 2009 the National Science Foundation released a brochure summarizing the realignment of its Division of Chemistry programs: <http://www.nsf.gov/mps/che/realign/brochure.pdf>.

Eight new programs were established and will begin accepting proposals this month. Four programs address broad-based fundamental chemistry: Chemical Synthesis; Chemical Structure, Dynamics, and Mechanisms; Chemical Measurement and Imaging; and Theory, Models, and Computational Methods. The other four programs are interdisciplinary: Environmental Chemical Sciences; Chemistry of Life Processes; Chemical Catalysis; and Macromolecular, Supramolecular, and Nanochemistry.

Unsolicited proposals (including GOALI) will be accepted July 1 – July 31 and November 1 – November 30. In order to enhance co-funding opportunities, PIs should consider submitted bio-oriented proposals in July and materials research-oriented proposals in November.

An FAQ regarding the realignment is available at <http://www.nsf.gov/pubs/2009/nsf09050/nsf09050.jsp>.

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### **NSPIRES to Require Organizational Relationship Confirmation for Submissions**

To improve the process by which potential conflicts of interest are determined, NSPIRES will require confirmation of investigators' organizational relationships.

1.) For solicitations with a due date between July 11, 2009 and August 7, 2009:

All proposal team members should establish an organizational relationship, i.e., identify the organization or other auspices through which they are participating in a given proposal. Establishment of an organizational relationship will become a requirement for proposal submittal (see #2), so all team members are strongly encouraged to confirm their organizational relationship once the function is released on July 11.

2.) For solicitations with due dates on or after August 8, 2009:

Confirming an organizational relationship for all proposal team members will be a prerequisite for proposal submission. A proposal cannot be submitted if an organizational relationship is missing for any team member.

Questions? Please contact the NSPIRES Help Desk: (202)479-9376 or [NSPIRES-HELP@nasaprs.com](mailto:NSPIRES-HELP@nasaprs.com).

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### **NSF Division of Atmospheric Sciences (ATM) to Change Name**

Effective October 1, the National Science Foundation Division of Atmospheric Sciences (ATM) will become the Division of Atmospheric and Geospace Sciences (AGS). The new name is intended to more accurately reflect the range of activities supported by the Division.

Proposers should look for AGS rather than ATM in designating where proposals are being directed for both normal proposals and various special solicitations for cross divisional and cross directorate emphasis areas. See [http://www.nsf.gov/news/news\\_summ.jsp?cntn\\_id=114906&govDel=USNSF\\_58](http://www.nsf.gov/news/news_summ.jsp?cntn_id=114906&govDel=USNSF_58).

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### **Sponsored Projects Training for Administrators in Research (STAR)**

Developed by the Office of Research, STAR, the **Sponsored Projects Training for Administrators in Research** program is designed for employees with duties and responsibilities related to contract and grant administration.

Participants are welcome to take one or several courses in areas of particular interest to them—or they may opt to earn a certificate. The program offers 11 required courses, which are provided in two series. Track A is offered from September through June. Track B is offered February through August. Classes meet in the Marine Sciences Building Auditorium (MSB 1302). For more information please visit [http://www.research.ucsb.edu/s\\_p/sp\\_class\\_schedule.shtml](http://www.research.ucsb.edu/s_p/sp_class_schedule.shtml) or e-mail [training@research.ucsb.edu](mailto:training@research.ucsb.edu).

#### **Post Award Administration—Required (3 hours)**

This course addresses several aspects of post-award administration and will include presentations from selected campus representatives. Topics are award set-up, department responsibilities, obtaining campus approvals for post-award actions, travel, equipment management, reporting requirements, and closeout. (Track B) **Thursday, July 23, 2009; 9:00am-12pm**

#### **Financial Management—Required (3 hours)**

This course addresses the financial aspects of administering an extramural award. Financial topics reviewed are cost transfers, re-budgeting, direct costing, overdrafts and balances, close-out procedures and reports, and Personnel Activity Reporting. (Track B) **Thursday, August 20, 2009; 9:00am-12:00pm**

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### **Limited Submission Deadlines**

The Office of Research administers the campus selection process for most limited submission grants competitions. These programs restrict the number of applications, nominations, or proposals that an institution can submit to an agency and require that the campus screen pre-proposals or nominations to determine which will go forward to the sponsor. They are typically due to the Office of Research two months prior to the agency deadline. If fewer submissions than the eligible number are received for the campus deadline, approval to apply may be granted on a first come first served basis.

More information about specific programs and campus procedures can be found at [http://www.research.ucsb.edu/resources/limited\\_submissions.shtml](http://www.research.ucsb.edu/resources/limited_submissions.shtml).

Programs with upcoming campus deadlines include:

- Chicago Community Trust Searle Scholars Program—Campus pre-proposal deadline (*required*) 7/20/09; Agency proposal deadline 9/25/09
- National Science Foundation Science, Technology, and Mathematics Talent Expansion Program (STEP)—Campus NOI deadline (*required*) 7/21/09; Agency letter of intent deadline (*optional*) 8/18/09; Agency proposal deadline 9/29/09
- Pew Charitable Trusts Pew Scholars Program in the Biomedical Sciences—Campus pre-proposal deadline (*required*) 9/8/09; Agency nomination deadline 11/2/09
- NSF Research Experiences for Teachers (RET) in Engineering—For campus procedure, contact Acting COE Dean Larry Coldren ([coldren@ece.ucsb.edu](mailto:coldren@ece.ucsb.edu)); Agency Site deadline 11/16/09

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### **New Publications Available for Viewing**

- [ADVANCE Program Brochure](#), NSF
- [Advances, May 2009](#), Robert Wood Johnson Foundation
- [Directorate for Mathematical & Physical Sciences Brochure, 2009](#), NSF
- [Impact of Transformative Interdisciplinary Research Graduate Education \(IGERT\) May 2008 Workshop Report](#), NSF
- [Issues in Science and Technology, Summer 2009](#), National Academy of Sciences
- [Policy Office Quarterly, May 2009](#), NSF
- [Science and Technology Review, April/May 2009](#), Lawrence Livermore National Laboratory

**Helpful Hints**

- Program announcements are organized by funding agency and then by deadline.
- **Limited submission programs** restrict the number of applications, nominations, or proposals an institution can submit to an agency. These programs require that the campus screen pre-proposals or nominations to determine which will go forward to the sponsor and are typically due to the Office of Research two months prior to the agency deadline. If you are interested in applying, please contact Carla Whitacre, Director of Research Development, at ext. 3925, well in advance of deadline. A list is available on our website at: [http://www.research.ucsb.edu/resources/limited\\_submissions.shtml](http://www.research.ucsb.edu/resources/limited_submissions.shtml).
- In order to provide a full and complete review, Sponsored Projects in the Office of Research must receive proposals at least four full working days prior to funding agency deadlines.
- Requests for institutional cost sharing should be submitted to the appropriate dean(s) at least one month before the agency deadline.

**UNIVERSITY OF CALIFORNIA & STATE OF CALIFORNIA**

Various

**PIER American Recovery and Reinvestment Act of 2009 Cost Share**

California Energy Commission, Public Interest Energy Research Program

PIER offers funding to be used as cost share for applications to energy research and development-related American Recovery and Reinvestment Act of 2009 (ARRA) FOAs. To be eligible, applicants must seek and obtain an award through one of the eligible ARRA FOAs and submit an application that is consistent with the goals of the PIER program, which seeks to improve the quality of life in California by bringing environmentally safe, affordable, and reliable energy services and products to the marketplace. (PON-08-011)  
URL: <http://www.energy.ca.gov/contracts/PON-08-011/>.  
Contact varies by program.

7-31-09

**Harvey L. Karp Discovery Award**

Division of Mathematical, Life, and Physical Sciences, UC Santa Barbara

All faculty members in the Division of Mathematical, Life, and Physical Sciences (MLPS) are invited to nominate a postdoctoral fellow for this prestigious award that provides seed funding to support his/her innovative, cutting-edge research that might be considered too risky by agencies such as NIH. The funds awarded may be used by the young scientist for any costs associated with proposed project including salary, research supplies, and access to equipment and instrumentation. Domestic and international postdocs may apply for the \$50K award. Application packages should include a proposal of suggested research no more than three pages long, a curriculum vita, and two letters of recommendation.  
URL: [http://www.science.ucsb.edu/files/images/Karp\\_Discovery\\_Award\\_Flyer\\_2009\\_-Images.pdf](http://www.science.ucsb.edu/files/images/Karp_Discovery_Award_Flyer_2009_-Images.pdf).  
Contact: Michelle Keuper, 805/893-7598 or [mkeuper@LTSC.ucsb.edu](mailto:mkeuper@LTSC.ucsb.edu)

9-10-09

**Miller Research Fellowship Program**

Miller Institute for Basic Research in Science, UC Berkeley

The Institute seeks to discover and encourage individuals of outstanding talent, and to provide them with the opportunity to pursue their research on the UC Berkeley campus. Fellows are selected on the basis of their academic achievement and the

promise of their scientific research. Each Fellow is hosted by an academic department on the Berkeley campus and performs his or her research in the facilities provided by the host department. The Institute will provide an annual stipend of \$60K and a research fund of \$12K per annum.

URL: <http://millerinstitute.berkeley.edu/page.php?nav=11>.  
Contact: Kathryn Day, 510/642-4088 or [millerinstitute@berkeley.edu](mailto:millerinstitute@berkeley.edu)

9-17-09

**Miller Research Professorships**

Miller Institute for Basic Research in Science, UC Berkeley

The purpose of the professorships is to release faculty members from their teaching duties to pursue full-time research at UC Berkeley. All UC professors are eligible but should seek department sponsorship at Berkeley before applying. The Institute will pay the standard 9/12 academic year salary. Appointments will be made for one semester or one year. Five to 10 awards are expected for 2010-11 academic year.

URL: <http://millerinstitute.berkeley.edu/page.php?nav=15>.  
Contact: Kathryn Day, 510/642-4088 or [millerinstitute@berkeley.edu](mailto:millerinstitute@berkeley.edu)

11-2-09 Application

12-1-09 Faculty Letter

**President's Postdoctoral Fellowship Program**

UC Office of the President

The goal is to provide research opportunity and career development for scholars whose work will enhance the diversity of the academic community at the UC. Approximately 15-20 postdoctoral fellowships of \$40-50K are awarded annually in all fields for research conducted under faculty sponsorship on any one of the university's ten campuses. Applicants must be US citizens or permanent residents and should expect to have earned their Ph.D. degree by June 30th of the year for which they are applying.

URL: <http://www.ucop.edu/acadadv/ppfp/>.  
Contact: Kimberly Adkinson, 510/643-6566 or [kadkinson@berkeley.edu](mailto:kadkinson@berkeley.edu)

12-15-09

**STAGE Script Competition**

Professional Artists Lab

California NanoSystems Institute, UCSB

The Scientists, Technologists, and Artists Generating Exploration (STAGE) competition seeks play scripts that

explore scientific and/or technological stories, themes, issues, and/or events. Science and technology must figure prominently in the script, whether in form or content or both. Authors are strongly urged to avoid the stereotypes often assigned to science, technology, and those who engage in these disciplines. This competition is not open to plays written in the genre of science fiction.

URL:

<http://www.cnsi.ucsb.edu/stage/guidelines/guidelines.html>.

Contact: [stage@cnsi.ucsb.edu](mailto:stage@cnsi.ucsb.edu)

## NATIONAL SCIENCE FOUNDATION

8-5-09 Letter of Intent (*required*)

9-9-09 Proposal

### **Basic Research to Enable Agricultural Development (BREAD)**

Biological Sciences

The objective is to support innovative scientific research designed to address key constraints to smallholder agriculture in the developing world. A distinction between this and other NSF programs is that proposals to BREAD must make a clear and well-defined connection between the outcomes of the proposed research and its direct relevance and potential application to agriculture in the developing world. The focus is on novel, transformative research at the proof-of-concept stage rather than its application or development. (NSF 09-566)

URL: <http://www.nsf.gov/pubs/2009/nsf09566/nsf09566.htm>.

Contact: Deborah Delmer, 703/292-8420 or [bread-wg@nsf.gov](mailto:bread-wg@nsf.gov)

8-21-09 Letter of Intent (*required*)

9-18-09 Proposal

### **Focused Research Groups in the Mathematical Sciences**

Mathematical and Physical Sciences

The purpose is to allow groups of researchers to respond to recognized scientific needs of pressing importance, to take advantage of current scientific opportunities, or to prepare the ground for anticipated significant scientific developments in the mathematical sciences. The activity supports projects for which the collective effort by a group of researchers, including researchers from other science and engineering disciplines, is necessary to reach the scientific goals. (NSF 06-580)

URL: <http://www.nsf.gov/pubs/2006/nsf06580/nsf06580.htm>.

Contact: Henry Warchall, 703/292-4861 or [hwarchal@nsf.gov](mailto:hwarchal@nsf.gov)

9-10-09 Preliminary Proposal (*required*)

2-10-10 Proposal

### **Expeditions in Computing**

Computer and Information Science and Engineering

Investigators are encouraged to come together within or across departments or institutions to combine their creative talents in the identification of compelling, transformative research agendas that promise disruptive innovations in computing and information for many years to come. The program has three goals; to catalyze far-reaching research explorations motivated by deep scientific questions, to inspire Americans, especially those from under-represented groups, to pursue rewarding careers in CISE, and to stimulate significant research and education outcomes that promise scientific, economic and/or other societal benefits. (NSF 08-568)

URL: <http://www.nsf.gov/pubs/2008/nsf08568/nsf08568.htm>.

Contact: Timothy Pinkston, 703/292-8900 or [tpinksto@nsf.gov](mailto:tpinksto@nsf.gov)

9-24-09

### **Climate Process and Modeling Teams (CPTs)**

Geosciences

Office of Polar Programs

The aim is to speed development of global coupled climate models by bringing together theoreticians, process modelers, and the large modeling centers to concentrate on the leading problems facing models. Processes to be addressed include tropical convection, radiative transfer processes, aerosol indirect effects, cloud microphysics, land surface processes including soil moisture and ice, ocean mesoscale eddy processes, sea ice processes, equatorial ocean upwelling and mixing, Southern Ocean ventilation and deep water formation, atmospheric gravity waves, air-sea fluxes, and ice sheet dynamics. (NSF-09-568)

URL: <http://www.nsf.gov/pubs/2009/nsf09568/nsf09568.htm>.

Contact: Jay Fein, 703/292-8527 or [jfein@nsf.gov](mailto:jfein@nsf.gov)

10-TBA-09 Site Application

Various Supplement Applications

### **Research Experiences for Undergraduates (REU) Sites and Supplements**

Cross Directorate

REU supports active research participation by undergraduate students in any area of research funded by NSF. REU features two mechanisms: 1) *REU Sites* are based on independent proposals to initiate and conduct projects that engage a number of students in research. Sites may be based in a single discipline or academic department, or on interdisciplinary or multi-department research opportunities with a coherent intellectual theme. 2) *REU Supplements* may be requested for ongoing NSF-funded research projects or may be included as a component of proposals for new or renewal NSF grants or cooperative agreements. The October deadline is anticipated for all Directorates *except* the Antarctic Program. (NSF 07-569)

URL: <http://www.nsf.gov/pubs/2007/nsf07569/nsf07569.htm>.

Contact varies by Directorate.

## DEPARTMENT OF HEALTH & HUMAN SERVICES

8-8-09 and 12-8-09

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

Cross Directorate

The purpose is to provide support to promising postdoctoral applicants who have the potential to become productive and successful independent research investigators. The proposed postdoctoral training must offer an opportunity to enhance the applicant's understanding of the health-related sciences, and must be within the broad scope of biomedical, behavioral, or clinical research or other specific disciplines relevant to the research mission of the participating NIH Institutes and Centers. Applicants with a health professional doctoral degree may use the proposed postdoctoral training to satisfy a portion of the degree requirements for a master's degree, a research doctoral degree or any other advanced research degree program. (PA-09-210)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-09-210.html>.

Contact varies by research interest.

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8-13-09 and 12-13-09

**Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships (F31) to Promote Diversity in Health-Related Research**  
Cross Directorate

The purpose is to provide up to five years of support for research training leading to the PhD or equivalent research degree, the combined MD/PhD degree; or another formally combined professional degree and research doctoral degree in biomedical, behavioral, health services, or clinical sciences. Fellowships will enhance the diversity of the biomedical, behavioral, health services, and clinical research labor force in the U.S. by providing opportunities for academic institutions to identify and recruit students from diverse population groups to seek graduate degrees in health-related research and apply for this fellowship. Applicants must be citizens or non-citizen nationals of the U.S., or have been lawfully admitted to the U.S. for permanent residence. (PA-09-209)  
URL: <http://grants.nih.gov/grants/guide/pa-files/PA-09-209.html>.

Contact varies by research interest.

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9-20-09 Letter of Intent (*optional*)

10-20-09 Application

**Identification and Characterization of Sensitive Periods for Neurodevelopment in Studies of Mental Illness**

National Institute of Mental Health (NIMH)

This FOA solicits applications to investigate the role of sensitive periods (i.e., periods during which the developing brain is maximally sensitive to environmental influences that confer risk or resilience) in the development of cognitive or affective function and behaviors relevant to mental health disorders. Applications must address questions related to sensitive periods in the development of: 1) mental-health related cognitive or affective component processes including, but not limited to, impulsivity, aggression, fear, emotional regulation, attention, and executive control; or 2) onset, progression, or recovery from clinically significant symptoms of mental disorders including, but not limited to, anxiety disorders, attention deficit disorder, autism, bipolar disorder, borderline personality disorder, depression, eating disorders, obsessive-compulsive disorder, post-traumatic stress syndrome, and schizophrenia. This FOA will utilize the R01 award mechanism and runs in parallel with an FOA of identical scientific scope, RFA-MH-10-011, which solicits applications under the R21 award mechanism. (RFA-MH-10-010)

URLs: <http://grants.nih.gov/grants/guide/rfa-files/rfa-mh-10-010.html> and <http://grants.nih.gov/grants/guide/rfa-files/rfa-mh-10-011.html>.

Contact: Julia L. Zehr, 301/443-1617 or [zehrj@mail.nih.gov](mailto:zehrj@mail.nih.gov)

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10-23-09 Letter of Intent (*optional*)

11-23-09 Application

**Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research**

National Cancer Institute

The purpose is to improve the diversity of the basic biology of cancer research workforce by supporting and recruiting eligible investigators from groups that have been shown to be underrepresented. This initiative will also provide a bridge to investigators that may need extra time to develop a full RO1 proposal. Applications should focus on basic cancer research and cancer health disparities, consistent with the research

interests of both the Division of Cancer Biology and the Center to Reduce Cancer Health Disparities, including cancer cell biology, cancer etiology, cancer immunology, hematology, DNA, chromosome aberrations, structural biology, the tumor microenvironment, and basic, hypothesis-driven studies that explicitly address the unequal burden of cancer amongst racial/ethnic minorities or other underserved populations across the cancer continuum. (PAR-09-162).

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-09-162.html>.

Contacts: Anil Wali, 301/496-7344 or [walia@mail.nih.gov](mailto:walia@mail.nih.gov); Susan McCarthy, 301/496-7815 or [mccarths@mail.nih.gov](mailto:mccarths@mail.nih.gov)

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**DEPARTMENT OF DEFENSE**

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7-15-09 Pre-Application

7-30-09 Application

**Concept Award for Genetic Cancer Research or Non-invasive Cancer Ablation Research**

Congressionally Directed Medical Research Program

The goal of the new Peer Reviewed Cancer Research Program (PRCRP) is to improve quality of life by significantly decreasing the impact of cancer on service members, their families, and the American public. This award supports high-risk studies that have the potential to reveal entirely new avenues for investigation. The FY09 award is offered in topic areas: 1) noninvasive cancer ablation research including selective targeting with nano-particles, and 2) genetic cancer research and its relation to exposure to the various environments that are unique to a military lifestyle. (W81XWH-09-PRCPR-CA)

URL:

[http://cdmrp.army.mil/funding/archive/09prcrpconcept\\_pa.pdf](http://cdmrp.army.mil/funding/archive/09prcrpconcept_pa.pdf).

Contact: 301/619-7079 or [cdmrp.pa@amedd.army.mil](mailto:cdmrp.pa@amedd.army.mil)

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8-13-09 Pre-Application (*required*)

11-24-09 Application (*invitation only*)

**Multiple Sclerosis Research Program Synergistic Idea Award**

Congressionally Directed Medical Research Programs

This award is designed to promote innovative ideas and scientific collaborations by supporting novel approaches to MS research that will move the field toward the MSRP vision of preventing the occurrence, reversing or slowing the progression and disability, and lessening the impact of MS. This mechanism is designed to support new ideas, not ideas that are extensions of existing efforts. Partnerships must involve at least two, and up to four, PIs from different disciplines. Each partnership should use synergistic and multidisciplinary perspectives to address a central critical problem or question in MS research. The FY09 MSRP specifically encourages applications that address the following: etiology, population subgroups, primary progressive MS, relapse-remitting MS, or secondary-progressive MS. Investigators at or above the level of assistant professor are eligible to submit. (W81XWH-09-MSRP-SIA)

URL: [https://cdmrp.org/files/2009/msrp/sia\\_pa.pdf](https://cdmrp.org/files/2009/msrp/sia_pa.pdf).

Contact: 310/619-7079 or [cdmrp.pa@amedd.army.mil](mailto:cdmrp.pa@amedd.army.mil)

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8-13-09 Pre-Application (*required*)

11-24-09 Application (*invitation only*)

**Multiple Sclerosis Research Program**

**Metric Development and Validation Award**

Congressionally Directed Medical Research Programs

This new mechanism is designed to develop and/or validate readily accessible, cost-effective, analytical methods that may be utilized to quantify the disease, monitor disease progress, and/or evaluate the efficacy of disease therapies. Particular emphasis is laid on the development of measurement processes with regard to reproducibility and accuracy and/or the validation of existing or novel measures. In FY09 MSRP encourages applications that address any of the following: etiology, population subgroups, primary progressive MS, relapse-remitting MS, or secondary-progressive MS. Investigators at or above the level of assistant professor or equivalent are eligible to submit. (W81XWH-09-MSRP-MDVA) URL: [https://cdmnp.org/files/2009/msrp/mdva\\_pa.pdf](https://cdmnp.org/files/2009/msrp/mdva_pa.pdf). Contact: 310/619-7079 or [cdmnp.pa@amedd.army.mil](mailto:cdmnp.pa@amedd.army.mil)

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8-14-09 Pre-Application (*required*)

10-28-09 Application (*invitation only*)

**Psychological Health and Traumatic Brain Injury (PH/TBI) Research Program**

**Advanced Technology/Therapeutic Development Award**

Congressionally Directed Medical Research Program

All applications must specifically and clearly address at least one of the following topic areas and have direct relevance to the health care needs of warriors, veterans, families, caregivers, and/or communities. Proposals should focus on basic, translational, clinical, and/or preventive medicine research within PH/TBI. The intended or target population (active duty, reserve component, National Guard and/or veterans) should be noted. Specific areas of interest include studies aimed at improving the understanding of military-related psychological health issues, studies to examine cellular regrowth and interconnection strategies and therapies in the central nervous system, as well as research on evidence-based prevention and rehabilitation strategies for TBI, PTSD, and co-occurring conditions encompassing cognitive, motor, emotional, psychological, and sensory functioning, among others. (W81XWH-09-PH/TBIRP-AT/TDA) Contact: 301/619-7079 or [cdmnp.pa@amedd.army.mil](mailto:cdmnp.pa@amedd.army.mil)

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8-25-09

**Computer Science Study Group (CSSG)**

Defense Advanced Research Projects Agency (DARPA)

DARPA seeks junior faculty with research interest in computer science, to serve as PIs to explore novel ideas that lead to fundamental technological advances that benefit the DoD. Technologies of interest for Phase I of the CSSG include, but are not limited to, bio-inspired exploitation systems, biometrics, cognitive unifying exploitation theory, complexity theory, computer graphics, machine learning, pattern recognition, programming languages, and software engineering, among others. Host institutions can receive grants up to \$100K, and multiple awards are anticipated. (DARPA-RA-09-49) URL: <http://www.darpa.mil/dso/solicitations/darpa-ra-09-49.pdf>. Contact: Benjamin Mann, [DARPA-RA-09-49@darpa.mil](mailto:DARPA-RA-09-49@darpa.mil)

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8-28-09 Abstract

9-24-09 Proposal

**Short-range Wide-field-of-view Extremely-agile Electronically-steered Photonic EmittER (SWEEPER)**  
Defense Advanced Research Projects Agency (DARPA)

The goal is to create a paradigm shift in active optical beam steering and sensing by developing chip-scale integrated photonic coherent beam-forming technologies that overcome the limits of opto- mechanical and electro optical systems while being constrained to small size, weight, and power. A successful program will establish photonic integrated circuit technology that will provide video frame rate beam steering speeds, and emit multiple beams with a total output power of 10 W. Proposed R&D should investigate innovative approaches that enable revolutionary advances in science, devices, circuits, and control systems. Excluded is R&D that primarily results in incremental or evolutionary improvements to the existing state of the practice. (DARPA-BAA-09-66) URL: [https://www.fbo.gov/download/943/943613e80e69fda964f5bc230356e2b2/DARPA-BAA0-09-66\\_SWEEPER\\_Final\\_For\\_Posting\\_24June09.pdf](https://www.fbo.gov/download/943/943613e80e69fda964f5bc230356e2b2/DARPA-BAA0-09-66_SWEEPER_Final_For_Posting_24June09.pdf) Contact: Michael Haney, [darpa-baa-09-66@darpa.mil](mailto:darpa-baa-09-66@darpa.mil)

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9-15-09

**Defense University Research Instrumentation Program (DURIP)**

Army Research Office

Office of Naval Research

Air Force Office of Scientific Research

DURIP is designed to improve the capabilities of U.S. institutions of higher education to conduct research and to educate scientists and engineers in areas important to national defense, by providing funds for the acquisition of research equipment. Approximately \$40M is available for awards ranging from \$50,000 to \$1M. (AFOSR-BAA-2009-5) URL: <http://www.grants.gov/search/search.do?mode=VIEW&oppld=48438>. Contact: 919/549-4234, or [aror.durip@us.army.mil](mailto:aror.durip@us.army.mil)

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**OTHER FEDERAL AGENCIES**

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

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8-3-09 Notice of Intent

9-25-09 Proposal

**Astrobiology: Exobiology and Evolutionary Biology**  
Planetary Science

The goal is to understand the origin, evolution, distribution, and future of life in the universe. Research is centered on the origin and early evolution of life, the potential of life to adapt to different environments, and the implications for life elsewhere. The areas of research emphasis are planetary conditions for life, prebiotic evolution, early evolution of life and the biosphere, and evolution of advanced life. URL: <http://nspires.nasaprs.com/external/viewrepositorydocument?cndocumentid=176909&solicitationid={9349D5FC-E1A9-3654-3F2E-C39FC3C7F5F4}&viewSolicitationDocument=1> Contact: Michael New, 202/358-1766 or [michael.h.new@nasa.gov](mailto:michael.h.new@nasa.gov)

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8-28-09 Notice of Intent  
11-13-09 Proposal

**Outer Planets Research**  
Planetary Science

The OPR program supports scientific investigations that contribute to the understanding of the outer solar system, including the giant planets, their satellites, and smaller solid bodies including comets, asteroids, and Kuiper Belt objects. The program includes data analysis from NASA missions and fundamental research. Program objectives include: enhancing the scientific return from the New Horizons, Cassini, Galileo, Voyager, Pioneer, and Ulysses missions by continuing the analysis of their respective data sets through broadened scientific participation; improving our understanding of the evolution of the outer solar system, including the giant planets, their satellites, and other small bodies; defining the dynamical processes operating in the outer solar system; providing further refinement of mission datasets to improve their usefulness to the general scientific community, and creating data products useful to the broad scientific community.

URL: <http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=176888/C.7%20OPR%20v2.pdf>.  
Contact: Curt Niebur, 202/358-0390 or [curt.niebur@nasa.gov](mailto:curt.niebur@nasa.gov)

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9-16-09 Letter of Intent (*optional*)  
10-28-09 Proposal

**Reduced Gravity Student Flight Opportunities Program**  
Microgravity University

This program provides a unique academic experience for undergraduate students to successfully propose, design, fabricate, fly, and evaluate a reduced gravity experiment of their choice over the course of four to six months. The idea for a reduced gravity experiment is developed by a team of undergraduate students—either as part of a class project or as independent research. Proposals may not include human test subjects or vertebrate animals. The overall experience includes scientific research, hands-on experimental design, test operations, and educational/public outreach activities.

URL:  
<http://microgravityuniversity.jsc.nasa.gov/theprogram/index.cfm>  
Contact: Sara Malloy, 281/483-7847 or  
[jsc-reducedgravity@nasa.gov](mailto:jsc-reducedgravity@nasa.gov)

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9-18-09 Notice of Intent  
10-16-09 Proposal

**Living With a Star Targeted Research and Technology**  
Heliophysics

The goal of the LWS program is to develop the scientific understanding needed for the U.S. to effectively address those aspects of Heliophysics science that may affect life and society. This program solicits proposals leading to a physics-based understanding of the integral system linking the sun to the solar system, both directly and via the heliosphere, planetary magnetospheres, and ionospheres. The three program elements are strategic capabilities, targeted investigations, and cross-disciplinary infrastructure building.

URL:  
[http://nspires.nasaprs.com/external/viewrepositorydocument?cmdocumentid=176870&solicitationId=\(C71ABB20-527A-8606-56C7-1280A2383760\)&viewSolicitationDocument=1](http://nspires.nasaprs.com/external/viewrepositorydocument?cmdocumentid=176870&solicitationId=(C71ABB20-527A-8606-56C7-1280A2383760)&viewSolicitationDocument=1)  
Contact: Madhulika Guhathakurta, 202/358-1992 or  
[lws.trt@nasa.gov](mailto:lws.trt@nasa.gov)

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9-18-09 Notice of Intent  
10-16-09 Proposal

**Living With a Star Targeted Research and Technology:  
Strategic Capability**  
Heliophysics

A primary goal of the program is the development of first-principles-based models for the coupled sun-Earth and sun-solar system which can act as tools for scientific investigations. They can also serve as prototypes for prediction and specification capabilities, as frameworks for linking disparate data sets, and as strategic planning aids for enabling exploration of outer space and testing new mission concepts. Five-year awards of up to \$500K per year will be made.

URL:  
<http://nspires.nasaprs.com/external/viewrepositorydocument?cmdocumentid=176872&solicitationId={8C5FF193-001C-67AD-21E9-EAC5388D2496}&viewSolicitationDocument=1>  
Contact: Madhulika Guhathakurta, 202/358-1992 or  
[lws.trt@nasa.gov](mailto:lws.trt@nasa.gov)

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10-30-09

**Fellowships for Early Career Researchers**  
Planetary Science

The Early Career Fellowships are intended to bring new researchers into the planetary science community and to help them become established in tenured or equivalent positions. Applicants must have received their Ph.D. no earlier than 2002 and must be employed as a postdoctoral researcher, research assistant, or an equivalent non-tenured position. Participation is limited to proposers submitting research proposals to the following planetary science programs: cosmochemistry, planetary geology and geophysics, planetary astronomy, planetary atmospheres, outer planets research, lunar advanced science and exploration research, planetary mission data analysis, Mars data analysis, Mars fundamental research, and astrobiology: exobiology and evolutionary biology.

URL: <http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=176920/C.22%20ECF%20v2.pdf>.  
Contact: Curt Niebur, 202/358-0390 or [curt.niebur@nasa.gov](mailto:curt.niebur@nasa.gov)

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**U. S. DEPARTMENT OF EDUCATION**

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8-3-09

**Special Focus Competition: College Course Materials  
Rental Initiative; Notice Inviting Applications for New  
Awards for Fiscal Year 2009**  
Office of Postsecondary Education

The Fund for the Improvement of Postsecondary Education (FIPSE) supports innovative grants and cooperative agreements to improve postsecondary education. It supports reforms, innovations, and significant improvements of postsecondary education. Under this priority FIPSE is particularly interested in projects that propose innovative efforts to increase opportunities for students to rent college course materials. Two-year awards will range from \$200K-\$300K; one-year awards from \$100K-\$150K. (CFDA 84.116Y)  
URL: <http://www.ed.gov/legislation/FedRegister/announcements/2009-2/061809d.pdf>.

Contact: Levenia Ishmell, 202/502-7500 or  
[levenia.ishmell@ed.gov](mailto:levenia.ishmell@ed.gov)

## U. S. DEPARTMENT OF ENERGY

8-03-09 Letter of Intent (*encouraged*)

9-01-09 Application

### **Recovery Act (ARRA) - Early Career Research Program** Office of Science

The purpose is to support the development of outstanding scientists early in their careers and to stimulate research careers in the areas supported by the Office of Science. Projects will be funded with funds appropriated by the American Recovery and Reinvestment Act of 2009. Accordingly, special consideration will be given to projects that promote and enhance the objectives of the Act, especially job creation, preservation and economic recovery, in an expeditious manner. DOE invites grant applications for support in the following program areas: advanced scientific computing research, biological and environmental research, basic energy sciences, fusion energy sciences, high energy physics, and nuclear physics. (DE-PS02-09ER09-26)  
URL: <https://e-center.doe.gov/iips/faopor.nsf/UNID/7828CB6F4F50E9A7852575E70060C340?OpenDocument>.  
Contact: [early.career@science.doe.gov](mailto:early.career@science.doe.gov)

8-25-09 Pre-Application (*required*)

11-09-09 Application

### **Biological Systems Research on the Role of Microbial Communities in Carbon Cycling** Office of Science

Applications are solicited for basic research on the contribution of microbes and microbial communities to carbon cycling processes in the following areas: systems-level studies on regulatory and metabolic networks of microbes and microbial consortia involved in biogeochemical cycling of carbon; development of metatranscriptomic, metaproteomic, and other genome-enabled approaches to understand how shifts in environmental variables impact microbially-mediated carbon cycling processes in terrestrial ecosystems; and the development of methods and techniques for imaging and analysis of microbially-mediated carbon cycling processes in terrestrial ecosystems. (DE-PS02-09ER09-25)  
URL: <http://www.er.doe.gov/grants/FAPN09-25.html>.  
Contact: Joseph Graber, 301/903-1239 or [joseph.graber@science.doe.gov](mailto:joseph.graber@science.doe.gov)

## NATIONAL ENDOWMENT FOR THE HUMANITIES

8-26-09

### **America's Historical and Cultural Organizations: Implementation Grants and Planning Grants** Division of Public Programs

These grants support projects in the humanities that explore stories, ideas, and beliefs that deepen our understanding of our lives and our world. *Implementation grants* support the final preparation of a project for presentation to the public. Applicants should have already done most of the planning for their projects, including the identification of the key themes, relevant scholarship, and program formats. These grants are primarily intended for installation. *Planning grants* are available for projects that may need further development before applying for implementation. Planning can include identification and refinement of the main humanities ideas and questions, consultation with scholars to strengthen content, preliminary

audience evaluation, preliminary design of the interpretive formats, beta testing of digital formats, development of complementary programming, research at archives or sites, or the drafting of interpretive materials. (CFDA 45.164)  
URL: [http://www.neh.gov/grants/guidelines/AHCO\\_ImplementationGuidelines.html](http://www.neh.gov/grants/guidelines/AHCO_ImplementationGuidelines.html) and [http://www.neh.gov/grants/guidelines/AHCO\\_PlanningGuidelines.html](http://www.neh.gov/grants/guidelines/AHCO_PlanningGuidelines.html).  
Contact: 202/606-8269 or [publicpgms@neh.gov](mailto:publicpgms@neh.gov)

8-26-09

### **America's Media Makers: Development Grants and Production Grants** Division of Public Programs

Grants for America's Media Makers should encourage dialogue, discussion, and civic engagement, and they should foster learning among people of all ages. To that end, the Division of Public Programs urges applicants to consider more than one format for presenting humanities ideas to the public. *Development grants* enable media producers to collaborate with scholars to develop humanities content and format and to prepare programs for production. Development grants should culminate in the refinement of a project's humanities ideas, a script, a design document for digital media components or projects, or a prototype for a digital media project together with a detailed plan for outreach and public engagement in collaboration with partner organizations. *Production grants* support the preparation of a program for distribution. Applicants must submit a script that demonstrates a solid command of the humanities ideas and scholarship related to a subject. (CFDA 45.164)  
URLs: [http://neh.gov/grants/guidelines/ammediamakers\\_development.html](http://neh.gov/grants/guidelines/ammediamakers_development.html) and [http://neh.gov/grants/guidelines/ammediamakers\\_production.html](http://neh.gov/grants/guidelines/ammediamakers_production.html).  
Contact: 202/606-8269 or [publicpgms@neh.gov](mailto:publicpgms@neh.gov)

9-15-09

### **Fellowships at Digital Humanities Centers** Division of Research Programs

Fellowships support collaboration between digital centers and individual scholars. Awards are for periods of six to 12 months of continuous full-time research. The maximum award for a 12 month grant is \$100,800: \$50,400 for the fellow's stipend and \$50,400 for the direct and indirect costs. A staff member of the digital humanities center must serve as the project director. Tellows must apply through a digital center. (CFDA 45.161)  
URL: <http://www.neh.gov/grants/guidelines/fdch.html>.  
Contact: 202/606-8200 or [fdhc@neh.gov](mailto:fdhc@neh.gov)

## NATIONAL ENDOWMENT FOR THE ARTS

10-8-09

### **American Masterpieces: Dance**

Through this program the NEA will sponsor the restaging, performance, and documentation of significant dance choreography in order to provide dance students with access to the legacy of American dance history. Projects must be accompanied by related educational, interpretive, or contextual components. These may include lectures, master classes, seminars, exhibitions, study guides, or cooperative learning projects with educational or community institutions. Grants for university dance programs will be for \$15K. (CFDA 45.024)  
URL: <http://www.arts.gov/grants/apply/amdance.html>.  
Contact: Juliana Mascelli, 202/682-5656 or [mascellij@arts.gov](mailto:mascellij@arts.gov)

## PRIVATE/NONPROFIT AGENCIES

8-27-09 Registration (*required*)

9-10-09 Submission

### **Long-Term and Cross-Disciplinary Fellowships** Human Frontier Science Program (HFSP)

HFSP supports basic research focused on complex mechanisms of living organisms. Fields supported range from molecular and cellular approaches to biological functions to systems and cognitive neuroscience. These three-year fellowships are aimed specifically at supporting young scientists who wish to change their field of research either within the life sciences or across major disciplines. Long-Term Fellowships are for applicants with a Ph.D. in a biological discipline to embark on a new project in a different field of life science. Cross-Disciplinary Fellowships are open to Ph.D. applicants from outside the life sciences e.g., in physics, chemistry, mathematics, engineering or computer sciences who have had limited exposure to biology during their training. URL: [http://www.hfsp.org/how/appl\\_form.php](http://www.hfsp.org/how/appl_form.php)  
Contact: +33 3 88 21 51 ext. 27 or 34, or [fellow@hfsp.org](mailto:fellow@hfsp.org)

9-1-09

### **Abe Fellowship**

Social Science Research Council  
Japan Foundation Center for Global Partnership  
American Council of Learned Societies

This fellowship is designed to encourage international multidisciplinary research on topics of pressing global concern. The program seeks to foster a new generation of researchers who are interested in policy-relevant topics of long-range importance and who are willing to become key members of a global research network built around such topics. It strives to promote a new level of intellectual cooperation between the Japanese and American academic and professional communities committed to and trained for advancing global understanding and problem solving. URL: [http://fellowships.ssrc.org/abe/detailed\\_app\\_criteria/](http://fellowships.ssrc.org/abe/detailed_app_criteria/)  
Contact: 212/377-2700 or [abe@ssrc.org](mailto:abe@ssrc.org)

9-15-09

### **Sloan Research Fellowships**

Alfred P. Sloan Foundation

Sloan Fellowships seek to stimulate fundamental research by early-career scientists and scholars of outstanding promise. Candidates must be tenure track faculty and hold a Ph.D. (or equivalent) in chemistry, physics, mathematics, computer science, economics, neuroscience or computational and evolutionary molecular biology, or in a related interdisciplinary field. Candidates may be no more than six years from completion of the Ph.D. as of the year of their nomination, unless special circumstances are involved or unless they have held a faculty appointment for less than two years. Each year, 118 two-year fellowships of \$50K are awarded. URL: <http://www.sloan.org/fellowships>  
Contact: Erica Stella, 212/649-1632 or [stella@sloan.org](mailto:stella@sloan.org)

10-1-09

### **Fellowships at the Wilson Center 2010-2011**

Woodrow Wilson International Center for Scholars

The Center awards approximately 20-25 residential fellowships annually to individuals with outstanding project proposals in a

broad range of the social sciences and humanities on national and/or international issues. Stipends range from \$26K-\$85K. Topics and scholarship should relate to key public policy challenges or provide the historical and/or cultural framework to illuminate policy issues of contemporary importance. Primary themes are governance, the U.S. role in the world and issues of partnership and leadership, and key long-term future challenges confronting the United States and the world.

URL: <http://www.wilsoncenter.org/index.cfm?fuseaction=fellowships.welcome>.

Contact: 202/691-4170 or [fellowships@wilsoncenter.org](mailto:fellowships@wilsoncenter.org)

10-1-09

### **Special Research Award for Biomedical Science Research Grant Program**

Santa Barbara Cottage Hospital-UCSB

The \$25K Special Research Award, co-funded by SBCH and UCSB for research with biomedical or biopsychological implications, will be granted to the UCSB investigator who, in the Research Committee's determination, has submitted the most significant and scientifically meritorious proposal. This award is designed to support new research ideas rather than ongoing research projects. Special consideration will be given to junior investigators. Researchers may also apply for up to \$15K through the Research Grant Program, which require an active collaboration with a Cottage health professional.

Contact: Betsy Lazarine 805/569-7436 or [blazarin@sbch.org](mailto:blazarin@sbch.org) or Carla Whitacre 805/893-3925 or [whitacre@research.ucsb.edu](mailto:whitacre@research.ucsb.edu).

11-12-09

### **Senior Scientist Mentor Program**

Camille and Henry Dreyfus Foundation

The Dreyfus Foundation supports emeritus faculty who maintain active research programs with undergraduates in the chemical sciences. Awards of \$20K over two years are available for undergraduate stipends and modest research support. The program is open to institutions in the U.S. that grant a bachelor's degree or higher in the chemical sciences, including biochemistry, materials chemistry, and chemical engineering. Successful applicants are expected to be closely engaged in mentoring undergraduate students.

URL:

[http://www.dreyfus.org/awards/senior\\_scientist\\_mentor.shtml](http://www.dreyfus.org/awards/senior_scientist_mentor.shtml).

Contact: 212/753-1760 or [admin@dreyfus.org](mailto:admin@dreyfus.org)

Various

### **Albright Fellowships**

### **Council of American Overseas Research Centers Award Dever Memorial Prize**

W.F Albright Institute of Archaeological Research

Fellowships are open to students and scholars in Near Eastern studies from prehistory through the early Islamic period, including the fields of archaeology, anthropology, art history, Bible, epigraphy, historical geography, history, language, literature, philology and religion and related disciplines. The Albright annually provides up to \$252K in fellowships and awards to 28 recipients. In addition, 32 Associate Fellows including Senior, Post-Doctoral, and Research Fellows are funded from other sources.

URL: <http://www.aiar.org/fellowships.html>

Contact: Joan Branham, 401/865-1789 or [jbranham@providence.edu](mailto:jbranham@providence.edu)



# Contract and Grant Awards

Office of Research, University of California, Santa Barbara

## April 2009

- Bazan, G.C. (Chemistry & Biochemistry), Center for Polymers & Organic Solids, \$225,000, Army, "Design and Preparation of Nanoparticle Dimers for SERS Detection."
- Belkin, A. (Political Science), Institute for Social, Behavioral & Economic Research, \$60,000, Wells Fargo Foundation, "Gays and Lesbians in the Military."
- Beltz, G.E. (Mechanical Engineering), College of Engineering, \$11,000, Xerox Foundation, "College of Engineering Undergraduate Scholarships and Outreach."
- Brown, E.R., Lee, H., Electrical & Computer Engineering, \$254,063, Army, "Development of a Reflective THz Medical Imaging System."
- Clegg, D.O. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, \$599,998, California Institute for Regenerative Medicine, "Synthetic Matrices for Stem Cell Growth and Differentiation."
- Cohen, A.S., Ettenberg, A., Psychology, \$63,399, National Institute on Drug Abuse, "The Effects of Stress on Nicotine Motivation."
- Cohen, A.S., Ettenberg, A., Psychology, \$63,399, National Institute on Drug Abuse, "The Effects of Stress on Nicotine Motivation."
- Gossard, A.C., Materials, \$80,000, Princeton University, "Coherent Transfer of Spin via a Single-Electron Shuttle."
- Gross, D.J. (Physics), Kavli Institute for Theoretical Physics, \$260,000, UC Berkeley, "Developments in Math-Physics."
- Hawker, C.J. (Materials), Materials Research Laboratory, \$82,433, University of Delaware, "NIRT: Nanoscale Engineering and Manufacture Effected Through Molecular Architecture and Structure."
- Hess, L.L., Institute for Computational Earth System Science, \$173,350, Jet Propulsion Laboratory, "An Inundated Wetlands Earth System Data Record: Global Monitoring of Wetland Extent and Dynamics."
- Hollerer, T.H., Computer Science, \$74,997, Korea Ministry of Science & Technology, "Access Anywhere Interaction', a Proposal to the Tangible Space Initiative at the Korea Institute of Science and Technology."
- Ji, C. (Earth Science), Institute for Crustal Studies, \$64,766, Department of Interior (U.S. Geological Survey), "Global Earthquake Characterization on Irregular Fault Surfaces, Collaborative Research with UCSB and USGS."
- King, J., Geography, \$224,645, National Science Foundation, "Photodegradation of Plant Litter in Glassland Ecosystems: A Mechanism for Uncoupling C and N Biogeochemistry."
- Kramer, E.J. (Materials), Bazan, G.C. (Chemistry & Biochemistry), Center for Polymers & Organic Solids, \$39,993, Navy, "Morphological and Compositional Characterization of Bulk Heterojunction Organic Solar Cells."
- Lemenager, S., English, \$8,000, UC Humanities Research Institute, "Beyond Environmentalism: Culture, Justice, and Global Ecology Conference."
- Lim, S., Okamoto, Y. (Education), Gevirtz Graduate School of Education Research Office, \$20,000, Association for Institutional Research, "Ethnic and Racial Differences in Higher Education Attainment: Effects of Family Resources OR Effects of School Resources?"
- Lubin, P.M. (Physics), Institute for Terahertz Science & Technology, \$12,000, Jet Propulsion Laboratory, "W-Band Amplifier Assemblies."
- Mezic, I., Mechanical Engineering, \$1,454,839, Air Force, "Dynamical Systems Analysis of Complex Networks."
- Morse, D.E. (Molecular, Cellular & Developmental Biology), Institute for Collaborative Biotechnologies, \$173,267, Army, "Institute for Collaborative Biotechnologies – Task Order 2: "Bio-Inspired Multi-Scale Energy-Dispersive Composites" (Caltech)."

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- Morse, D.E. (Molecular, Cellular & Developmental Biology), Institute for Collaborative Biotechnologies, \$300,000, General Technical Services LLC, "Bio-Inspired Low-Temperature Catalytic Synthesis of Nanoparticulate Barium Titanate for Fireproof Lithium Batteries, Phase II."
  - Morse, D.E. (Molecular, Cellular & Developmental Biology), Doyle, F.J. (Chemical Engineering), Institute for Collaborative Biotechnologies, \$1,723,756, Army, "Institute for Collaborative Biotechnologies - Task 15: "GeoTrack: Target Localization and Tracking by Networked Unmanned Systems" (Toyon)."
  - Morse, D.E. (Molecular, Cellular & Developmental Biology), Institute for Collaborative Biotechnologies, \$1,378,979, Army, "Institute for Collaborative Biotechnologies - Task Order 14: "Detection of Airborne Explosives with Ultra-High Sensitivity and Specificity" (SpectraFluidics)."
  - Morse, D.E. (Molecular, Cellular & Developmental Biology), Doyle, F.J. (Chemical Engineering), Institute for Collaborative Biotechnologies, \$2,041,000, Army, "Institute for Collaborative Biotechnologies - Task Order 6: "Cognitive Neuroscience."
  - Morse, D.E. (Molecular, Cellular & Developmental Biology), Doyle, F.J. (Chemical Engineering), Institute for Collaborative Biotechnologies, \$1,356,123, Army, "Institute for Collaborative Biotechnologies - Task Order 7."
  - Morse, D.E. (Molecular, Cellular & Developmental Biology), Doyle, F.J. (Chemical Engineering), Institute for Collaborative Biotechnologies, \$1,349,782, Army, "Institute for Collaborative Biotechnologies - Task 9: "Heterogeneous Battlefield Sensor Networks - A Bio-Inspired Overlay Architecture" (Teledyne)."
  - Morse, D.E. (Molecular, Cellular & Developmental Biology), Doyle, F.J. (Chemical Engineering), Institute for Collaborative Biotechnologies, \$1,100,000, Army, "Institute for Collaborative Biotechnologies - Task 10: "Development of Biologically Inspired Reversible Adhesives for Ambulating Meso- and MicroRobots" (IMT)."
  - Palmstrom, C., Electrical & Computer Engineering, \$139,877, Army, "Development of In-Situ Elemental Composition Determination During Molecular Beam Epitaxial Growth by Energy Dispersive X-ray Spectrometry."
  - Palmstrom, C., Electrical & Computer Engineering, \$557,118, University of Minnesota, "MBE Growth and Characterization of Ferromagnetic Metal/Semiconductor Heterostructures for Spin Transport Measurements."
  - Roof, C. (Religious Studies), Interdisciplinary Humanities Center, \$286,682, Bureau of Educational and Cultural Affairs, "Religion in the United States: Pluralism and Public Presence."
  - Rumberger, R.W. (Education), Gevirtz Graduate School of Education Research Office, \$75,000, William and Flora Hewlett Foundation, "California Dropout Research Project: Phase Two Supplement."
  - Scott, S.L., Chemical Engineering, \$20,400, National Science Foundation, "Kokes Awards for the 21st North American Catalysis Society Meeting."
  - Speck, J.S., Denbaars, S.P., Materials, \$400,000, Defense Advanced Research Projects Agency, "High Performance InGaN-Based Solar Cells."
  - Sugar, R., Physics, \$39,123, National Science Foundation, "Lattice QCD on Blue Waters."
  - Venegas, C. (Film Studies), Interdisciplinary Humanities Center, \$3,000, County of Santa Barbara, "Latino CineMedia Film Festival."
  - Voss, L.B., Orfalea Family Children's Center, \$2,572, State of California, "CDE Infant/Toddler Resource 2008-2009."
  - White, R. (Institute for Collaborative Biotechnologies), Plaxco, K.W. (Chemistry & Biochemistry), Center for Polymers & Organic Solids, \$96,472, National Institute of General Medical Sciences, "Rapid Electronic Detection of Drug Analytes in Blood."
  - Zhao, Y., Agrawal, D., Computer Science, \$450,000, National Science Foundation, "CluE: Towards Scalable Primitives for Graph Operations."
- Data provided by the Office of Research. "( )" represent investigators' home departments when those are different from the administering unit.*
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# Contract and Grant Awards

Office of Research, University of California, Santa Barbara

## May 2009

- Antonucci, R.R., Physics, \$17,450, Jet Propulsion Laboratory, "Evolution of Compact Quasars and Radio Galaxies."
- Barber, M.C., Moure, K.J., History, \$3,000, UC Berkeley Institute of European Studies, "Students in the Streets: The Politics of Protest in Vichy France."
- Belkin, A. (Political Science), Institute for Social, Behavioral, & Economic Research, \$25,000, David Bohnett Foundation, "Research, Communications, and Military Outreach."
- Bowers, J.E., Electrical & Computer Engineering, \$88,000, Massachusetts Institute of Technology, "Remote Micropower Generators."
- Colbert, D., Electrical & Computer Engineering, \$15,000, UC Discovery Grant-Multidisciplinary Research, "Santa Barbara Summit on Energy Efficiency."
- Geyer, R. (Donald Bren School of Environmental Science & Management), Institute for Social, Behavioral, & Economic Research, \$70,000, California Environmental Protection Agency Toxic Substances Control, "Alternatives Analysis for California's Green Chemistry Initiative."
- Goodchild, M.F., Geography, \$149,454, National Science Foundation, "Collaborative Research: A GIScience Approach for Assessing the Quality, Potential Applications, and Impacts of Volunteered Geographic Information."
- Goulias, K.G., Geography, \$1,041,792, Southern California Association of Governments, "SCAG Activity-Based Travel Demand Model Development: Development of SIMAGENT."
- Hofmann, G.E. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$19,619, National Science Foundation, "A Proposal for a Workshop on Global Environmental Change & Biological Evolution in the Ocean."
- Lapointe, N., Wilson, L. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, \$120,000, Santa Barbara Foundation, "Mechanism of Inhibition of Endothelial Cell Migration by Microtubule Targeted Drugs."
- Low, D.A., Aoki, S.K., Molecular, Cellular & Developmental Biology, \$55,000, Santa Barbara Foundation, "CdiA (CT)-Mediated Growth Inhibition in Escherichia coli."
- Mezic, I., Mechanical Engineering, \$49,853, Sandia National Laboratories, "Behavioral Analysis of Dynamic Systems: Continuous and Discrete Non-Linear Analysis."
- Mitragotri, S.S., Chemical Engineering, \$107,870, Seventh Sense Biosystems, "Microparticles as Biosensors."
- Morse, D.E. (Molecular, Cellular & Developmental Biology), Doyle, F.J. (Chemical Engineering), Institute for Collaborative Biotechnologies, \$100,000, Army, "Institute for Collaborative Biotechnologies - Task 13: "Bio-Inspired Approaches to Electrodes of Nanostructures and Multifunctions for Electrochemical Power Sources" (MIT/Belcher)."
- Nayak, C., Physics, \$445,399, University of Maryland, "Topological Quantum Entanglement."
- Schmitt, R.J. (Ecology, Evolution & Marine Biology), Holbrook, S.J. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$150,000, National Science Foundation, "RAPID: Resilience of Coral Reef Ecosystems."
- Scott, S.L., Chemical Engineering, \$100,000, American Chemical Society, "PGM-Substituted Complex Oxide Catalysts for Selective Hydrocarbon Transformations."
- Seubert, D.C., Davidson Library, \$20,000, Grammy Foundation, "Cylinder Preservation and Digitization Project."

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- Smith, R.S. (Electrical & Computer Engineering), Dinh, H. (Mechanical Engineering), Materials Research Laboratory, \$10,000, Metropolitan Water District of Southern California, "A Holistic Approach to Education and Technology Transfer and a Plan for Sustainable Regional Expansion of Knowledge by Training Local Experts in the Southern Andes of Peru."
  - Speck, J.S., Van De Walle, C.G., Materials, \$452,837, National Science Foundation, "Structure and Properties of AlN and InN Surfaces and Defects."
  - Stucky, G.D. (Chemistry & Biochemistry), California NanoSystems Institute, \$187,000, UC Discovery Grant-Multidisciplinary Research, "Selective Conversion of Natural Gas and Biogas to Liquids."
  - Stucky, G.D. (Chemistry & Biochemistry), California NanoSystems Institute, \$187,000, GRT, Inc., "Selective Conversion of Natural Gas and Biogas to Liquids."
  - Whitmer, A.C., Marine Science Institute, \$2,197,415, Colorado State University, "MSP: Culturally Relevant Ecology, Learning Progressions, and Environmental Literacy."

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