



# Funding Resources

Office of Research, University of California, Santa Barbara

September/October 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
- Whitney Winn, Analyst, Research Development [funding@research.ucsb.edu](mailto:funding@research.ucsb.edu) or 893-8891

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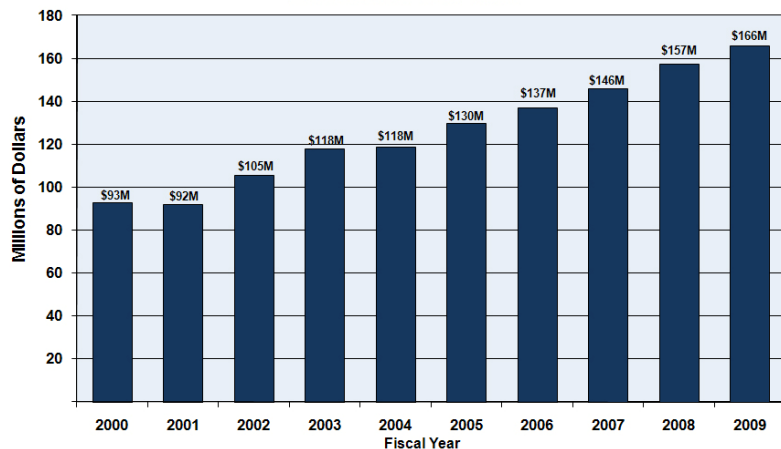
### From Vice Chancellor for Research Michael Witherell: Federal Funding to UCSB Reaches All-time High



Total funding awarded to sponsored projects at UCSB in FY 2009 was \$175 million. \$150 million of this amount came from federal agencies, either directly or through research subawards. Although the total extramural funding was less than last year's record of \$194 million, the amount of federal funding represents an all-time high. Partly as a result of the financial crisis, the amount of new funding from foundations and corporations was down somewhat in FY 2009.

Direct research expenditures at UCSB in the period 2000-2009 rose nearly 80 percent. Expenditures track the funds as they are spent on research, rather than as they come to campus, and it shows a steady increase in research activity, doubling every ten years.

**UCSB Research Expenditures**  
Fiscal Years 2000-2009



Funding from the American Research and Reinvestment Act (ARRA) in the amount of \$900,000 was given to the Gevirtz Graduate School of Education for the NSF-funded CalTeach program, an important initiative for this campus. The effects of ARRA on our total funding was still small in the 2008-9 academic year, however, providing only about \$2 million of the \$150 million we received from federal funds. We will see a much larger effect from ARRA funding in the yearly totals reported a year from now. They will include the \$15.7 million for the Energy Frontier Research Center, which arrived on campus in August 2009.

The National Science Foundation provided more funding to UCSB than any other extramural agency at \$51.4 million—12% more than in FY 2008. New NSF awards include a large award for the Center for Environmental Implications of Nanotechnology (CEIN), a UCLA-led consortium in which we have a large role, and the Integrative Graduate Education and Research Traineeships (IGERT) for ConvEne—Conversion of Energy through Molecular Platforms. The second largest amount came from the Department of Defense, which provided \$46.2 million, about 30% more than in FY 2009. The growth in DOD funding was predominantly associated with the growth of the Institute for Collaborative Biotechnologies but we received significant amounts for a wide range of other projects.

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## Research Development Offers Fund Searches and Training for Faculty

Using all the resources UCSB has to offer will help you gain a broader perspective of available support in your area of interest. Conducting a fund search is the first of several steps in the process to identify funding for your project. Research Development provides many resources to assist faculty in this process. In addition to free online resources, UCSB subscribes to two searchable funding opportunity database systems—the [Illinois Researcher Information Service \(IRIS\)](#) and the [Community of Science \(COS\)](#). They are accessible on any computer using the [ucsb.edu](#) domain or by [UCSB proxy server](#). You can use these databases to enter key words, search for program solicitations, and browse search results from a variety of sponsoring organizations. Research Development offers personalized assistance in using the IRIS and COS databases. We provide hands-on training in the use of the databases for faculty or postdocs working with faculty so that they are equipped to conduct fund searches on their own. We can also perform mediated searches based on specified criteria. To set up a training appointment or to initiate a fund search, contact Whitney Winn, [funding@research.ucsb.edu](mailto:funding@research.ucsb.edu) or ext. 8891.

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## Instructional Consultation for Research Projects

The Office of Instructional Consultation at UC Santa Barbara is dedicated to providing the faculty of UCSB with the highest caliber professional consultation in matters of instructional design, delivery, and evaluation.

Instructional consultants Dr. Kim McShane and Dr. Lisa Berry are available for free consultation about any instructional dimensions of your project during the application drafting phase. They can offer advice and suggestions on, for example, program and course review processes. With backgrounds in higher education teaching and learning research, and an awareness of higher education trends and current issues and practices, they can suggest "tried-and-true" or indeed, innovative instructional practices that will distinguish the educational components of your project design. Kim and Lisa also have the research knowledge, networks and skills to support your project with valid, evidence-based evaluation and assessment strategies, enabling you to establish and demonstrate the positive impacts of your project on undergraduate student learning outcomes.

Instructional Development can also offer a comprehensive array of production services and resources, including photographic, graphic, media and classroom services, to support associated teaching and learning activities.

In return, the Office of Instructional Consultation would like to showcase and disseminate via its website and in professional development activities, case studies of sound educational practice that have emerged as a consequence of funded research projects.

If you are interested, please contact a consultant:

Dr. Kim McShane: [kim@id.ucsb.edu](mailto:kim@id.ucsb.edu) or ext. 2828

Dr. Lisa Berry: [lisa@id.ucsb.edu](mailto:lisa@id.ucsb.edu) or ext. 8395

Dr. George Michaels: [george@id.ucsb.edu](mailto:george@id.ucsb.edu) or ext. 2378

Website: <http://oic.id.ucsb.edu/>

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## NIH Releases New Searchable Database of Funded Biomedical Research Projects



On September 1, 2009, the CRISP system was retired and replaced by its new Research Portfolio Online Reporting Tool Expenditures and Results (RePORTER) tool. This new tool retains all of the features of the CRISP, a searchable database of federally funded biomedical research projects conducted at universities and other research institutions. The database, maintained by the Office of Extramural Research at the National Institutes of Health (NIH), includes projects funded by the NIH, Substance Abuse and Mental Health Services (SAMHSA), Health Resources and Services Administration (HRSA), Food and Drug Administration (FDA), Centers for Disease Control and Prevention (CDCP), Agency for Health Care Research and Quality (AHRQ), and Office of Assistant Secretary of Health (OASH). Users, including the public, can use the new RePORTER interface to search for scientific concepts, emerging trends and techniques, or identify specific projects and/or investigator while providing additional query fields, and the publications and patents that have acknowledged support from each project (results). Moreover, RePORTER now provides reports, data, and analyses of NIH research activities, including information on NIH expenditures and the results of NIH-supported research. Of particular interest is the ability to search awards by Regular Standing Study Section as well as information on each projects total fiscal year funding. RePORTER also provides links to [PubMed Central](#), [PubMed](#), and the [US Patent & Trademark Office Patent Full Text and Image Database](#) for more information on research results. New features will be added to RePORTER in several releases throughout fiscal year 2010. RePORTER can be accessed via <http://projectreporter.nih.gov/reporter.cfm>.

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## Dr. Francis Collins confirmed as the National Institutes of Health Director



Francis S. Collins, M.D., Ph.D. became the 16th director of the National Institutes of Health on August 17. He was nominated to lead the NIH, the nation's premiere biomedical research agency, by President Barack Obama on July 8, and was unanimously confirmed by the U.S. Senate on August 7.

Dr. Collins, 59, a physician-geneticist noted for his landmark discoveries of disease genes and his leadership of the Human Genome Project, served as director of NIH's National Human Genome Research Institute (NHGRI) from 1993-2008. Under his direction, the Human Genome Project consistently met projected milestones ahead of schedule and under budget. This remarkable international project culminated in April 2003 with the completion of a finished sequence of the human DNA instruction book.

In addition to his achievements as the NHGRI director, Dr. Collins' own research laboratory discovered a number of important genes, including those responsible for cystic fibrosis, neurofibromatosis, Huntington's disease, a familial endocrine cancer syndrome, and most recently, genes for type 2 diabetes and the gene that causes Hutchinson-Gilford progeria syndrome.

Dr. Collins received a B.S. in chemistry from the University of Virginia, a Ph.D. in physical chemistry from Yale University, and an M.D. with honors from the

University of North Carolina at Chapel Hill. Prior to coming to the NIH in 1993, he spent nine years on the faculty of the University of Michigan, where he was a Howard Hughes Medical Institute investigator. He is an elected member of the Institute of Medicine and the National Academy of Sciences. Dr. Collins was awarded the Presidential Medal of Freedom in November 2007.

Raynard S. Kington, M.D., Ph.D., who has served as acting NIH director since mid-October, will return to his role as NIH principal deputy director.

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### **NEH Announces Changes to Collaborative and Scholarly Editions Guidelines**

This year, the Division of Research at the National Endowment for the Humanities has moved translation projects out of the Collaborative Research category into the Scholarly Editions and Translations category. The list of ineligible projects has also been expanded in both categories. Below the section on project ineligibility, the agency has provided information and links to other NEH programs for which your project may be eligible. Additionally, several changes have been made to preparation, submission, and deadline information. Please carefully read the project guidelines and associated Frequently Asked Questions before submitting an application to ensure compliance.

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### **Issues with NIH Fellowship Application Submission through eRA Commons**

NIH has been receiving several calls from Fellowship applicants who may have initially received notice that three or more letters are deposited in eRA Commons but then also received an email notification that less than three letters are connected to their application. Reference letters are linked to the application through the FOA number and the Commons User ID of the applicant. When the referees have used a different FOA number than has been used for the fellowship application submission, this disconnect will prevent the association of the letters with the application. Applicants who encounter this disconnect should immediately contact the eRA Help Desk (301/402-7469 or [helpdesk@od.nih.gov](mailto:helpdesk@od.nih.gov)), where staffers will be able to link the right letter with the right FOA.

The actions you should take when a Grants.gov or eRA system issue threatens your ability to submit your application on time are documented at [http://era.nih.gov/ElectronicReceipt/app\\_help.htm](http://era.nih.gov/ElectronicReceipt/app_help.htm). For specific Reference Letter instructions, go to the [SF424 \(R&R\) Individual Fellowship Application Guide](#) (Part 1, Section 5.4, Page I-94). Also check out the [Reference Letter FAQs](#).

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### **Changes to NASA NSPIRES Proposal Submission**

For a proposal to be submitted after August 7, 2009, all proposal team members must confirm an organizational relationship, i.e., identify the organization through which they are participating in a given proposal. A proposal will not be able to be submitted if an organizational relationship is missing for any team member, regardless of role on the proposal (e.g. Co-I, collaborator, etc).

Explanatory procedures are in place [here](#) to guide both existing and prospective team members through this process. If you have questions regarding this email, or any other NSPIRES business, please contact the NSPIRES Help Desk: [NSPIRES-Help @nasaprs.com](mailto:NSPIRES-Help@nasaprs.com)

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### **UCSB Professional Development Program for Postdoctoral STEM Scholars**

The Professional Development for Postdoctoral Scholars (PDPDS) program will offer a series of professional development workshops for postdoctoral scholars in science, engineering, and mathematics.

#### **Writing Successful Funding Proposals: An Overview**

In this interactive workshop, we will discuss the different sections of a proposal, plus strategies for making the project description both concise and coherent. Together, we will analyze examples of successful proposals written by UCSB faculty.

**Tuesday, October 13, 10am-noon, 1601 Elings Hall**  
RSVP to [khooge@education.ucsb.edu](mailto:khooge@education.ucsb.edu) by October 9

#### **Writing Successful Funding Proposals: Articulating a Fundable Research Problem**

In this hands-on session, we will analyze a common rhetorical pattern found in abstracts and in the introductions of proposals and academic articles. Using this pattern will help you identify your research focus and persuade others of its significance (e.g., its broader impacts, intellectual merit, etc.).

**Tuesday, October 20, 10am-noon, 1601 Elings Hall**  
RSVP to [khooge@education.ucsb.edu](mailto:khooge@education.ucsb.edu) by October 16

#### **Writing Successful Funding Proposals: Budgets and Budget Narratives**

Together, we will analyze successful proposal budgets and budget narratives. We will discuss strategies for avoiding common errors and for justifying your project.

**Tuesday, November 3, 10am-noon, 1601 Elings Hall**  
RSVP to [khooge@education.ucsb.edu](mailto:khooge@education.ucsb.edu) by October 30

#### **Multi-Day Intensive Teaching and Mentoring Workshop**

During three half days of activities, we will focus on key instructional strategies for teaching, small group interaction and research supervision. The workshop will include short lectures and practical exercises to develop instructional and mentoring strategies. Participants will write a draft Philosophy of Teaching Statement, which will be critically reviewed by peers and professionals. We will also introduce current science education and outreach programs at UCSB that offer practical experience in teaching and mentoring.

**Thursday, November 12, Friday, November 13, and Monday, November 16, noon-5pm, 1605 Elings Hall**  
RSVP to [murr@cnsi.ucsb.edu](mailto:murr@cnsi.ucsb.edu) by November 9

Dr. Karen Lunsford and Kevin Hooge will also offer one-on-one or group appointments for talking about your writing. To arrange appointments, e-mail [khooge@education.ucsb.edu](mailto:khooge@education.ucsb.edu).

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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## 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 one series of courses offered from September through June. 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).

### Cost Principles and Cost Accounting Standards—Required (3 hours)

This course covers the primary federal regulation governing what costs may be included in proposal budgets and charged to contracts and grants: OMB Circulars A-21 and A-110.

Thursday, October 8, 2009; 9:00am-noon

### Introduction to Proposal Submission—Required (3 hours)

This course provides basic instruction on preparing a proposal, securing the appropriate approvals, and submitting to the funding agency. Topics covered are eligibility to serve as principal investigator, types of proposals, interpreting sponsor guidelines, completing sponsor application forms and internal forms, including appropriate use of various research titles and pay rates for employees, and proposal revisions. This course will also include how to access the ORBiT Data Base. ORBiT is the online contract and grant database used to submit and track proposals and awards.

Thursday, November 5, 2009; 9:00am-noon

### Proposal Budget Preparation—Required (2 ½ hours lecture, 2 hours lab)

This course provides an in-depth exploration of the components of a proposal budget, including salary and benefit costs, equipment, participant support, supplies, and indirect cost calculation. This course will also include interactive exercises for preparation of proposal budgets and Academic Titles. Course consists of lecture and two lab sessions.

Thursday, November 12, 2009; 9:00am-11:30am

Lab 1: Friday, November 13, 2009; 9:00am-11:00am; Location: Mesa Lab-Phelps Hall 1525

Lab 2: Friday, November 13, 2009; 1:00pm-3:00pm; Location: Mesa Lab-Phelps Hall 1525

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## Campus Honors and Awards

- **Tanya Atwater**, professor in the Department of Earth Science, has been awarded the Leopold von Buch Medal from the German Geosciences Society for her outstanding career contributions in the geosciences.
- **Michael T. Bowers**, professor in the Department of Chemistry and Biochemistry, has been named a Fellow of the American Chemical Society (ACS) in its inaugural class of 162 Fellows.
- **Chris Kruegel**, professor in the Department of Computer Science, was awarded an NSF Faculty Early Career Development (CAREER) award through the Directorate for Computer & Information Science & Engineering.
- **Michael Shell**, professor in the Department of Chemical Engineering, was awarded an NSF Faculty Early Career Development (CAREER) award through the Directorate for Engineering.

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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:

- Pew Charitable Trusts Pew Scholars Program in the Biomedical Sciences—Campus pre-proposal deadline (*required*) 9/7/09; Agency nomination deadline 11/2/09
- Lindau Meeting of Nobel Laureates Graduate Student Awards—Campus application deadline (*required*) 9/21/09; Agency deadline 10/30/09
- National Institute of Environmental Health Sciences Outstanding New Environmental Scientist Award (ONES) —Agency Letter of Intent deadline 10/5/09 (*optional*); Agency full proposal deadline 11/3/09. Contact your College or School's Dean if planning to apply.
- Institute of Museum and Library Services Museums for America grant—Campus NOI deadline (*required*) 10/5/09; Agency proposal 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

- [Advances, July 2009](#), Robert Wood Johnson Foundation
- [Advances, August 2009](#), Robert Wood Johnson Foundation
- [Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions: FY 2007, September 2009](#), National Science Foundation
- [InfoBrief Science Resources Statistics, July 2009](#), National Science Foundation
- [NSF Current, June 2009](#), National Science Foundation
- [NSF Current, July 2009](#), National Science Foundation
- [NSF Current, August 2009](#), National Science Foundation
- [Succeed, Summer 2009](#), Grants.gov
- [Transitions and Tipping Points in Complex Environmental Systems, September 2009](#), National Science Foundation Advisory Committee for ERE

### 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

9-18-09 Pre-proposal abstract (*optional*)

10-27-09 Full Proposal

#### **Energy Innovations Small Grant Program: Electricity Energy Innovations Small Grant Program: Natural Gas California Energy Commission**

The Energy Innovations Small Grant (EISG) Program provides up to \$95K for hardware projects and \$50K for modeling projects to conduct research that establishes the feasibility of new, innovative energy concepts in electricity and natural gas. Research projects must target one of the Public Interest Energy Research (PIER) Program R&D areas as listed in the solicitation, address a California energy problem and provide a potential benefit to California electric or natural gas ratepayers. URL:

<http://www.energy.ca.gov/research/innovations/index.html>

Contact: EISG Program Administrator, 619/ 594-1049 or [eisg@projects.sdsu.edu](mailto:eisg@projects.sdsu.edu)

10-2-09, 1-8-10

#### **Major Funding**

Coastal Fund, UCSB Associated Students

The Coastal Fund, a student initiative dedicated to the conservation of the UCSB coastline, seeks applications for funding over \$1,000. The fund will support projects focused on research, preservation, restoration, education, or access. Awards are for two quarters, though large projects may warrant consecutive renewals.

URL: <http://spf.as.ucsb.edu/funding.php>

Contact: Scott Bull, 805/893-5166 or [coastalfund@gmail.com](mailto:coastalfund@gmail.com)

10-5-09

#### **UC MEXUS Small Grants UC MEXUS**

Small grants for travel, short-term research, initial planning, or other special one-time needs are available for research in the areas of Mexico-related studies, Latino Studies, United States-Mexican relations, critical U.S.-Mexico issues, Latino and Mexican topics in the arts, and collaborative research projects with investigators at Mexican institutions. Awards of up to \$1,500 will be provided for a one-year period.

URL: [http://www.ucmexus.ucr.edu/funding/grant\\_small.html](http://www.ucmexus.ucr.edu/funding/grant_small.html)

Contact: Andrea Kaus, 951/827-3586 or [andrea.kaus@ucr.edu](mailto:andrea.kaus@ucr.edu)

10-15-09

#### **Conferences and Seminars Collaborative Compositions Extramural Explorations**

UC Humanities Research Institute

The UCHRI seeks applications for several programs to support the humanities. Funding is available for: conferences and seminars to be held on UC campuses during the 2010-11 academic year; group collaborative research projects close to completion to be conducted at the UCHRI site; and partnership projects between UC campuses and community organizations.

URL: [http://www.uchri.org/page\\_home.php?page\\_id=1391&cat\\_id=3#research](http://www.uchri.org/page_home.php?page_id=1391&cat_id=3#research)

Contact: Rosemarie Neumann, 949/824-8179 or [rneumann@uci.edu](mailto:rneumann@uci.edu)

10-16-09

#### **Spinal Cord Injury/Nerve Cell Regeneration Research**

Roman Reed Spinal Cord Injury Research Fund of California

Applications are invited for research support for innovative, high-impact research projects focusing on spinal cord injury or nerve cell regeneration. Three types of projects will be considered: Individual or collaborative research projects that focus on spinal cord injury; collaborative projects for which the animal component of the work would be carried out at the Roman Reed Core laboratory at UC Irvine; and new, innovative projects with minimal or no preliminary data.

URL: <http://www.reeve.uci.edu/Research/RomanReed.aspx>

Contact: Suzy Kim, M.D., 949/824-3993 or [rirc@uci.edu](mailto:rirc@uci.edu)

10-19-09

#### **Mildred E. Mathias Graduate Student Research Grants**

UC Natural Reserve System

Awards are available for graduate students conducting independent and field science studies at reserves in the UC Natural Reserve System. Proposed research quality and the dependence on the reserve are the primary evaluation criteria. Up to \$3,000 is granted per award.

URL: <http://nrs.ucop.edu/Mathias-Application.htm>

Contact: [mathiasgrants@ucnrs.org](mailto:mathiasgrants@ucnrs.org)

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11-17-09

**Faculty Research Awards**  
**Graduate Research Awards**  
**Undergraduate Research Awards**  
**UCSB Conference Awards**

Chicano Studies Institute

The Chicano Studies Institute funds research examining any aspect of Chicana/o studies. Faculty research awards of up to \$2K are available for any UCSB faculty member or professional researcher. The Institute is especially interested in projects with policy implications. Graduate student and undergraduate awards of up to \$1,500 are available, with priority given to interdisciplinary research projects. Faculty and graduate students may also apply for up to \$1,500 to fund conferences held at UCSB.

URL: <http://www.research.ucsb.edu/ccs/funding.html>

Contact: Theresa Pena, 805/893-5315 or

[Theresa.Pena@chicano.ucsb.edu](mailto:Theresa.Pena@chicano.ucsb.edu)

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12-11-09

**Research Grant**

UC Cancer Research Coordinating Committee

Funds are available for cancer research projects conducted by faculty from all UC campuses. CRCC funds provide seed money for pilot projects to allow newer faculty to initiate cancer research projects, to allow established investigators in areas of research other than cancer to initiate cancer research projects, and to allow established cancer investigators to initiate studies in new areas. Applicants must be members of the Academic Senate and must be employed at least 50% time. Faculty members with initial UC appointment dates of July 1, 2008 or earlier are eligible to apply. Awards are for up to \$50K.

URL: <http://crcc.ucdavis.edu/>

Contact: [crcc@ucdavis.edu](mailto:crcc@ucdavis.edu)

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**NATIONAL SCIENCE FOUNDATION**

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10-5-09 Preliminary Proposal (*optional*)

1-7-10 Full Proposal

**Discovery Research K-12 (DR K-12)**

Education & Human Resources

The Discovery Research K-12 program seeks to enable significant advances in preK-12 student and teacher learning of the STEM disciplines through development, study, and implementation of resources, models, and technologies for use by students, teachers, and policymakers. Projects should create or adapt and study innovative resources, models, or technologies and determine how and why implementation affects STEM learning. Fifty to seventy awards will be made per year, including exploratory awards, full research and development awards, synthesis awards, and conference and workshop awards. (NSF 09-602)

URL: <http://www.nsf.gov/pubs/2009/nsf09602/nsf09602.htm>

Contact: 703/292-8620 or [DRLDRK12@nsf.gov](mailto:DRLDRK12@nsf.gov)

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10-9-09 Letter of Intent

11-13-09 Preliminary Proposal

3-31-10 Full Proposal

**Emerging Frontiers in Research and Innovation 2010 (EFRI-2010)**

Cross-Directorate

The Office of Emerging Frontiers in Research and Innovation (EFRI) seeks interdisciplinary teams of researchers to embark on rapidly advancing frontiers of fundamental engineering

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research. For this solicitation, EFRI will consider proposals that aim to investigate emerging frontiers in Renewable Energy Storage, and Science in Energy and Environmental Design: Engineering Sustainable Buildings. NSF will coordinate the review of proposals submitted to this solicitation with the Department of Energy and the Environmental Protection Agency. Each project team may receive support of up to a total of \$500K per year for up to four years. (NSF 09-606)

URL: <http://nsf.gov/pubs/2009/nsf09606/nsf09606.htm>

Contact: Sohi Rastegar, 703/ 292-8305 or [srastega@nsf.gov](mailto:srastega@nsf.gov)

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10-13-09

**CreativeIT**

Computer & Information Science & Engineering  
Social, Behavioral & Economic Sciences

CreativeIT seeks proposals for Pilot Projects or Major Projects whose objectives are new models of creativity, new models for research and education, or creativity enhancing tools developed in the context of a specific discipline. Projects may respond to one or more of the following: new theoretical models, new modes of research, innovative educational approaches, and creativity enhancing tools. (NSF 09-572)

URL: <http://www.nsf.gov/pubs/2009/nsf09572/nsf09572.htm>

Contact: Mary Lou Maher, 703/292-7242 or [mmaher@nsf.gov](mailto:mmaher@nsf.gov)

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10-14-09

**Postdoctoral Research Fellowships in Biology**

Biological Sciences

The Directorate for Biological Sciences (BIO) awards Postdoctoral Research Fellowships in Biology to recent recipients of the doctoral degree for research and training in selected areas of biology supported by BIO. For FY 2010, these BIO programs are: Broadening Participation in Biology, which encourages applications from underrepresented groups, and Biological Informatics. The fellowships encourage independence at an early stage of the research career to permit Fellows to pursue their research and training goals in the most appropriate research locations regardless of the availability of funding for the Fellows at that site. (NSF 09-573)

URL: <http://www.nsf.gov/pubs/2009/nsf09573/nsf09573.htm>

Contact: Carter Kimsey (Broadening Participation), 703/292-8470 or [ckimsey@nsf.gov](mailto:ckimsey@nsf.gov); Peter McCartney (Informatics), 703/292-8470 or [pmccartn@nsf.gov](mailto:pmccartn@nsf.gov)

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10-15-09

**Paleo Perspectives on Climate Change (P2C2)**

Geosciences

The goal of research funded under the interdisciplinary P2C2 solicitation is to utilize key geological, chemical, and biological records of climate system variability to provide insights into the mechanisms and rate of change that characterized Earth's past climate variability, the sensitivity of Earth's climate system to changes in forcing, and the response of key components of the Earth system to these changes. Approximately 35 new awards per year with an average award size of \$110K per year will be made. Typical award duration is expected to be three to four years. (NSF 08-505).

URL: <http://www.nsf.gov/pubs/2008/nsf08505/nsf08505.htm>

Contact: David Verardo, 703/292-9022 or [dverardo@nsf.gov](mailto:dverardo@nsf.gov)

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10-19-09

**SBE Minority Postdoctoral Research Fellowships and Follow-up Research Starter Grants**  
Social, Behavioral & Economic Sciences

This program provides two-year fellowships to doctoral scientists (who are not yet in full-time positions) to take advantage of the independence afforded by fellowships to establish their research careers, to enhance the participation of under-represented groups in science and engineering, and to prepare for positions of scientific leadership in academia, industry, and government. Proposed research plans must fall within the program areas of the Directorate for Social, Behavioral and Economic Sciences, which supports research in a broad range of disciplines and in interdisciplinary areas primarily through its Behavior and Cognitive Sciences Division and the Social and Economic Sciences Division. (NSF 09-595). URL: <http://www.nsf.gov/pubs/2009/nsf09595/nsf09595.htm>  
Contact: Fahmida Chowdhury, 703/292-4672 or [fchowdhu@nsf.gov](mailto:fchowdhu@nsf.gov)

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10-20-09

**NSF/DOE Partnership in Basic Plasma Science and Engineering**  
Cross-Directorate

The goal of this program initiative is to enhance plasma research and education in this broad, multidisciplinary field by coordinating efforts and combining resources of the NSF and the DOE. The initiative will address fundamental issues in plasma science and engineering that can have impact in other areas or disciplines in which improved basic understanding of the plasma state is needed. Proposals should discuss effective ways in which education is integrated within the research programs. (NSF 09-596). URL: <http://www.nsf.gov/pubs/2009/nsf09596/nsf09596.htm>  
Contact: Richard Berger 703/292-2183 or [rberger@nsf.gov](mailto:rberger@nsf.gov)

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10-21-09 Pre-Proposal

4-5-10 Full Proposal

**Centers for Chemical Innovation (CCI) Chemistry as the Driver for Transformative Research and Innovation**  
Mathematical & Physical Sciences

The Centers for Chemical Innovation (CCI) Program supports research centers focused on major, long-term fundamental chemical research challenges. CCIs that address these challenges will produce transformative research, lead to innovation, and attract broad scientific and public interest. CCIs may partner with researchers from industry, government laboratories and international organizations. CCIs integrate research, innovation, education, and public outreach and include a plan to broaden participation of underrepresented groups. The CCI program is a two-phase program. Phase I CCIs receive significant resources to develop the science and integrative elements of a CCI before requesting Phase II funding. Phase I proposals funded in FY2010 will seek Phase II funding in FY2013. (NSF 09-597). URL: <http://www.nsf.gov/pubs/2009/nsf09597/nsf09597.htm>  
Contact: Katharine Covert, 703/292-4950 or [kcovert@nsf.gov](mailto:kcovert@nsf.gov)

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10-22-09

**Research Experiences for Undergraduates (REU)**  
Cross-Directorate

This program supports active research participation by undergraduate students in any of the areas of research funded

by the National Science Foundation. Projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. This solicitation features two mechanisms for support of student research. *REU Sites* are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline, or on interdisciplinary research opportunities with a coherent intellectual theme. *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. (NSF 09-598) URL: <http://www.nsf.gov/pubs/2009/nsf09598/nsf09598.htm>  
Contact: See [http://www.nsf.gov/crssprgm/reu/reu\\_contacts.jsp](http://www.nsf.gov/crssprgm/reu/reu_contacts.jsp)

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10-30-09

**Collaborative Research in Computational Neuroscience**  
Cross-Directorate

Through the CRCNS program, participating NSF Directorates and NIH Institutes support innovative interdisciplinary collaborative research to make significant advances in the understanding of nervous system function, mechanisms underlying nervous system disorders, and computational strategies used by the nervous system. Both collaborative research projects and data sharing proposals will be considered in response to this solicitation. (NSF 08-514) URL: <http://www.nsf.gov/pubs/2008/nsf08514/nsf08514.htm>  
Contact: Kenneth Whang, 703/292-5149 or [kwhang@nsf.gov](mailto:kwhang@nsf.gov)

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11-28-09 Large Projects

12-17-09 Small Projects

**CISE Cross-Cutting Programs: FY 2010**

Computer and Information Science and Engineering

The programs for FY 2010 are: 1) Data-intensive Computing; 2) Network Science and Engineering; and 3) Trustworthy Computing. CISE expects that over time, these cross-cutting programs will evolve or be absorbed into the core programs, and that new cross-cutting programs will be introduced. Proposers are invited to submit proposals in different project classes, defined by budget size. (NSF 09-558) URL: <http://www.nsf.gov/pubs/2009/nsf09558/nsf09558.htm>  
Contact: Jim French, 703/292-8930 or [jfrench@nsf.gov](mailto:jfrench@nsf.gov)

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11-3-09 Preliminary Proposal (*required*)

1-29-10 Full Proposal

**International Collaboration in Chemistry between US Investigators and their Counterparts Abroad (ICC)**

Directorate for Mathematical & Physical Sciences

NSF Chemistry will accept collaborative research proposals in chemistry, which establish new bilateral collaborations between US investigators and investigators from Germany, Austria, the UK, China, France, Japan, Russia, Poland, Luxembourg, and Spain. The program seeks new and highly innovative 3-year collaborative projects that break new ground and demonstrate a high level of synergy between the collaborating investigators. Projects must be in Chemical Synthesis; Chemical Catalysis; Theory, Models and Computational Methods; Chemical Measurement and Imaging; Chemical Structure, Dynamics and Mechanisms; Macromolecular, Supramolecular and Nanochemistry; Environmental Chemical Sciences; or Chemistry of Life Process. (NSF 09-608) URL: <http://www.nsf.gov/pubs/2009/nsf09608/nsf09608.htm>  
Contact: Dr. Zeev Rosenzweig, 703/292-7719 or [zrosenzw@nsf.gov](mailto:zrosenzw@nsf.gov)

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11-5-09

**2010 Alan T. Waterman Award**

Office of the Director

The highest honor awarded by the National Science Foundation, the Waterman Award recognizes an outstanding young researcher in any field of science or engineering supported by NSF. The candidate must be a U.S. citizen or permanent resident and must be 35 years old or younger, or not more than seven years beyond the receipt of the Ph.D. degree. The winner receives a medal and a grant of \$500K over a three year period for scientific research or study at the institution of the recipient's choice.

URL: <http://www.nsf.gov/od/waterman/waterman.jsp>

Contact: Mayra Montrose, 703/292-8040 or

[mmontros@nsf.gov](mailto:mmontros@nsf.gov)

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11-11-09

**Materials World Network: Cooperative Activity in Materials Research between US Investigators and their Counterparts Abroad**

Directorate for Mathematical and Physical Sciences

The NSF is working jointly with counterpart national, regional and multinational funding organizations in Africa, Asia, and Europe to enhance opportunities for collaborative activities in materials research and education between US investigators and their colleagues abroad. Proposals submitted to NSF in response to this solicitation must have clear relevance to research supported by the NSF Division of Materials Research (DMR): condensed matter physics, solid state and materials chemistry, polymers, biomaterials, metallic materials and nanostructures, ceramics, electronic and photonic materials, and condensed matter and materials theory. Collaborators in the US will apply for funding from the NSF, while foreign collaborators will concurrently submit to the counterpart funding organization in their region. (NSF 09-600)

URL: <http://www.nsf.gov/pubs/2009/nsf09600/nsf09600.htm>

Contact: Daniele Finotello, 703/292-4676 or [dfinotel@nsf.gov](mailto:dfinotel@nsf.gov)

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11-12-09

**Research and Evaluation on Education in Science and Engineering (REESE)**

Directorate for Education and Human Resources

The Research and Evaluation on Education in Science and Engineering (REESE) program seeks to advance research at the frontiers of STEM learning, education, and evaluation, and to provide the foundational knowledge necessary to improve STEM teaching and learning at all educational levels and in all settings. This solicitation calls for four types of proposals— Pathways, Knowledge Diffusion, Empirical Research, and Large Empirical Research. The goals of the REESE program are: (1) to catalyze discovery and innovation at the frontiers of STEM learning, education, and evaluation; (2) to stimulate the field to produce high quality and robust research results through the progress of theory, method, and human resources; and (3) to coordinate and transform advances in education, learning research, and evaluation. (NSF 09-601)

URL: <http://www.nsf.gov/pubs/2009/nsf09601/nsf09601.htm>

Contact: 703/292-8650 or [DRLREESE@nsf.gov](mailto:DRLREESE@nsf.gov)

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12-7-09

**Interdisciplinary Research (IDR)**

Directorate for Engineering

The Directorate for Engineering (ENG) seeks to fund interdisciplinary proposals not covered by its core programs on any topic relevant to engineering. It is hoped that new fields of research will emerge from IDR awards. Awards typically go to small teams of investigators and usually range in size from \$400K to \$600K over three years, although requests of up to \$1M will be considered depending on the scope of the project. (NSF PD 09-7951)

URL:

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503439](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503439)

Contact: Sohi Rastegar, 703/292-8305 or [srastega@nsf.gov](mailto:srastega@nsf.gov)

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12-8-09 Pre-Proposal

3-10-10 Full Proposal

**CHE-DMR-DMS Solar Energy Initiative (SOLAR)**

Mathematical and Physical Sciences

The purpose of the CHE-DMR-DMS Solar Energy Initiative is to support interdisciplinary efforts by groups of researchers to address the scientific challenges of highly efficient harvesting, conversion, and storage of solar energy. Groups must include three or more co-Principal Investigators of whom one must be a researcher in chemistry, a second in materials, and a third in mathematical sciences. Proposals will offer potentially transformative projects, new concepts, and interdisciplinary education through research involvement based on the integrated expertise and synergy from the three disciplinary communities. (NSF 09-604).

URL: <http://www.nsf.gov/pubs/2009/nsf09604/nsf09604.htm>

Contact: Carol Bessel, 703/292-4945 or [cbessel@nsf.gov](mailto:cbessel@nsf.gov)

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**DEPARTMENT OF HEALTH & HUMAN SERVICES**

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9-22-09 Letter of Intent (*optional*)

10-22-09 Full Proposal

**Research to Understand and Inform Interventions that Promote the Research Careers of Students in Biomedical and Behavioral Sciences (R01)**

National Institute of General Medical Sciences

This FOA solicits research designed to test assumptions and hypotheses regarding social and behavioral factors with the aim of advising and guiding the design of potential interventions intended to increase interest, motivation and preparedness for careers in biomedical and behavioral research. NIGMS is particularly interested in those interventions that are specifically designed to increase the number of students from underrepresented groups. Collaboration among natural, behavioral and social scientists, and other appropriate experts, is considered appropriate and is strongly encouraged. (RFA-GM-10-008)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-008.html>

Contact: Shiva Singh, 301/594-3900 or [singhs@nigms.nih.gov](mailto:singhs@nigms.nih.gov)

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9-28-09, 9-28-10 and 9-28-11 Letter of Intent (*optional*)

10-27-09, 10-27-10 and 10-27-11 Full Proposal

**NIGMS National Centers for Systems Biology (P50)**

National Institute of General Medical Sciences

NIGMS intends to promote the use of systems biology approaches for studying complex biological phenomena. The Centers of Excellence mechanism (P50) is intended to

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facilitate institutional development of pioneering research, research training, and outreach programs in this emerging area and therefore stimulate the field as a whole. Recognizing systems biology as an emerging and evolving field with various definitions, for the purposes of this FOA, NIGMS defines systems biology as a discipline at the intersection of biology, mathematics, engineering, and the physical sciences that integrates experimental and computational approaches to study and understand biological processes in cells, tissues, organisms, and social networks. (PAR-09-258)  
URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-258.html>

Contact: James J. Anderson, 301/594-0943 or [andersj@mail.nih.gov](mailto:andersj@mail.nih.gov)

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9-25-09, 1-25-10, and 5-25-10

**Initiative to Maximize Research Education in Genomics (R25)**

National Institutes of Health

The National Human Genome Research Institute invites R25 applications in response to two important initiatives: (1) short, advanced level courses that are intended to disseminate new laboratory techniques, methods, analyses related to the mission of the NHGRI and (2) research education and training initiatives that are linked to specific NHGRI research initiatives, such as Centers of Excellence in Genomic Science and large-scale sequencing and database grants. (PAR-09-245)

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-245.html>

Contact: Bettie J. Graham, 301/496-7531 or [bettie\\_graham@nih.gov](mailto:bettie_graham@nih.gov)

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8-31-09, 8-31-10 and 8-31-11 Letter of Intent (*optional*)

9-30-09, 9-30-10 and 9-30-11 Full Proposal

**Genetic and Genomic Analysis of *Xenopus***

National Institutes of Health

This funding opportunity solicits investigator-initiated applications designed to exploit and enhance the power of *Xenopus* as a vertebrate model for biomedical research. Applications are welcome proposing to develop new tools or genetic or genomic resources of high priority to the *Xenopus* research community to advance the detection and characterization of genes, pathways, and phenotypes of interest in development, organogenesis, and in cell biological processes such as cell division, signaling and migration. Grants will be available under three funding mechanisms: the Research Project Grant (R01), Small Research Grant (R03) and the Exploratory/Developmental grant mechanism (R21). (PAR-09-240; PAR-09-241; PAR-09-242)

URL:  
<http://grants.nih.gov/grants/guide/pa-files/PAR-09-240.html>  
<http://grants.nih.gov/grants/guide/pa-files/PAR-09-241.html>  
<http://grants.nih.gov/grants/guide/pa-files/PAR-09-242.html>

Contact: James N. Coulombe, 301/451-1390 or [coulombej@mail.nih.gov](mailto:coulombej@mail.nih.gov)

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9-30-09 Letter of Intent (*optional*)

10-30-09 Full Proposal

**Awards to Support Research on the Biology of Aging in Invertebrates (R01)**

National Institute on Aging

NIA invites applications that propose the identification and development of new invertebrate models for pursuing biology of aging research. Applications should focus on the

identification, development and characterization of new invertebrate models that have short lifespans. Invertebrate models with tractable genetics and genome sequence available or in progress, negligible or induced senescence, and tissue regeneration in adults are of particular interest to NIA. They will fund up to \$250K in direct costs over five years. (RFA-AG-10-004)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-10-004.html>

Contact: Anna M. McCormick, 301/496-6402 or [mccormia@nia.nih.gov](mailto:mccormia@nia.nih.gov)

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9-30-09, 12-28-09, 4-26-10 Letters of Intent (*optional*)

10-30-09, 1-25-10, 5-25-10 Application

**Network Infrastructure Support for Emerging Behavioral and Social Research Areas in Aging**

National Institute on Aging

The purpose of this FOA is to provide infrastructure support in specific emerging interdisciplinary areas of behavioral and social research in aging using the NIH Resource-Related Research Project (R24) mechanism. The infrastructure support will facilitate research networks through meetings, conferences, small scale pilots, training, and dissemination to encourage growth and development in specified emerging areas and resources. Targeted areas include neuroeconomics of aging, integration of biology and genetics with behavioral and social sciences related to aging, harmonization of cross-national studies of aging and behavioral economics relevant to aging, among others. Projects will be funded up to \$750K over a five-year period. (PAR-09-233)

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-233.html>

Contact: Lis Nielsen, 301/402-4156 or [nielsenli@nia.nih.gov](mailto:nielsenli@nia.nih.gov)

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10-2-09 Letter of Intent (*optional*)

11-2-09 Application

**Healthy Aging through Behavioral Economic Analyses of Situations (R01)**

National Institute on Aging

The National Institute on Aging, National Institutes of Health, solicits Research Project Grant (R01) applications that propose to translate basic findings from behavioral economics into behavior change interventions targeting health behaviors associated with chronic health conditions of mid-life and older age. Applications should propose small, 3-year pilot clinical trials or demonstration projects, ideally based on collaborations between individuals with expertise in behavioral economics and psychologists, psychiatrists, clinicians, or others with expertise in aging or implementing behavioral interventions. (RFA-AG-10-008)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-10-008.html>

Contact: Dr. Jonathan King, 301/402-4156 or [kingjo@nia.nih.gov](mailto:kingjo@nia.nih.gov)

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10-5-09 Letter of Intent (*optional*)

11-3-09 Application

**Outstanding New Environmental Scientist Award (ONES)—Limited Submission**

National Institute of Environmental Health Sciences

This award is intended to identify outstanding scientists who are in the early, formative stages of their careers and who intend to make a long term career commitment to research in the NIEHS's mission areas and assist them in launching an

innovative research program focusing on problems of environmental exposures and human biology, human pathophysiology and human disease. Applications must focus on a specific human disease, dysfunction, pathophysiological condition, or relevant human biological process and propose to study a specific environmentally relevant toxicant. Only one application from each school or college is permitted. Contact your dean if interested in applying. (RFA-ES-09-007)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-09-007.html>

Contact: Carol Shreffler, 919/541-1445 or [shreffl1@niehs.nih.gov](mailto:shreffl1@niehs.nih.gov)

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10-5-09, 2-5-10, and 6-5-10

### **Innovations in Biomedical Computational Science and Technology (R01)**

National Institutes of Health

NIH seeks to fund research and development in biomedical informatics and computational biology that will support rapid progress in areas of scientific opportunity in biomedical research. Researchers can request up to \$500K per year for five years. Cross-disciplinary collaborations are strongly encouraged. This initiative is run in parallel with announcements with similar scientific scope for R21 research PAR-09-219. (PAR-09-218)

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-218.html>

Contact: Peter Lyster, 301/451-6446 or [lysterp@mail.nih.gov](mailto:lysterp@mail.nih.gov)

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10-9-09

### **Centers for High-Throughput Structure Determination (U54)**

National Institute of General Medical Sciences

NIH solicits applications to establish Centers for High-Throughput Structure Determination that will become the backbone of the new NIGMS PSI:Biological network for high-throughput-enabled structural biology. The centers will have five main functions: i) determination of protein structures utilizing high-throughput pipeline capabilities; ii) development of technology to improve the pipeline and to attack increasingly difficult proteins and complexes of proteins at high-throughput; iii) bioinformatics analysis of potential targets, solved structures, and the creation of models based on solved structures; iv) dissemination of information and materials via the PSI-Materials Repository and PSI-Structural Genomics Knowledgebase; and v) collaborative research with other members of the network to be established through this and the other RFAs and PARs that are part of this initiative. (RFA-GM-10-005)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-005.html>

Contact: Peter C. Preusch, 301/594-1158 or [preuschp@nigms.nih.gov](mailto:preuschp@nigms.nih.gov)

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10-9-09 Letter of Intent (*optional*)

11-9-09 Application

### **Partnerships for Development of Therapeutics and Diagnostics for Drug-Resistant Bacteria and Eukaryotic Parasites (R01)**

National Institute of Allergy and Infectious Diseases

The NIAID invites translational research applications for projects that will lead to development of newer therapeutics or medical diagnostics for drug-resistant NIAID Category A, B or C bacteria and eukaryotic parasites. Additionally, applications are invited for development of diagnostics or broad-spectrum

therapeutics against non-listed bacteria and eukaryotic parasites for which naturally-occurring drug resistance is a significant and/or rapidly growing clinical problem. Applications that include collaborations between researchers from different disciplines and/or with industry are strongly encouraged. (RFA-AI-09-026)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-026.html>

Contact: Dr. Suman Mukhopadhyay, 301/451-3032 or [mukhopadhays@mail.nih.gov](mailto:mukhopadhays@mail.nih.gov)

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10-16-09, 2-16-10, and 6-16-10

### **Exfoliated Cells and Circulating DNA in Cancer Detection and Diagnosis (R21)**

National Cancer Institute

The National Cancer Institute invites applications aimed at the development of novel technologies for capturing, enriching, and preserving exfoliated abnormal cells from body fluids or effusions as well as methods for concentrating the tumor-derived sub-cellular material for use in biomarker studies. This opportunity uses the NIH Exploratory/Developmental (R21) grant mechanism, which is intended to encourage new exploratory and developmental research projects. These studies should break new ground or extend previous discoveries toward new directions or applications. (PA-09-238)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-09-238.html>

Contact: Lynn Sorbara, 301/435-0584 or [lynnns@mail.nih.gov](mailto:lynnns@mail.nih.gov)

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10-16-09, 2-16-10, and 6-16-10

### **Exploratory Innovations in Biomedical Computational Science and Technology (R21)**

National Institutes of Health

The NIH is interested in promoting research and developments in biomedical informatics and computational biology that will support rapid progress in areas of scientific opportunity in biomedical research. Applications should be innovative, with high risk/high impact in new areas that are lacking preliminary data or development. This initiative is run in parallel with announcements with similar scientific scope for R01 research PAR-09-218. (PAR-09-219)

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-219.html>

Contact: Peter Lyster, 301/451-6446 or [lysterp@mail.nih.gov](mailto:lysterp@mail.nih.gov)

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10-16-09, 2-16-10, and 6-16-10

### **Directed Stem Cell Differentiation for Cell-Based Therapies for Heart, Lung, and Blood Diseases (R21)**

National Heart, Lung, and Blood Institute

The NHLBI seeks research proposals to define the factors and mechanisms controlling the differentiation of embryonic or adult stem or progenitor cells, either in vitro or in vivo. It is designed to stimulate new scientific advances in stem cell differentiation including technology research that may not be hypothesis driven. The long range goal of this program is the development of methods to direct the differentiation or development of stem cells along specific cell lineages to yield replacement cells for clinical use, whether the replacement cells are formed In Vitro for delivery or formed In Vivo in the tissue or organ environment. Projects will be funded at up to \$275K in direct costs over a two-year period. (PA-09-248)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-09-248.html>

Contact: John Thomas, 301/435-0065 or

[ThomasJ@nhlbi.nih.gov](mailto:ThomasJ@nhlbi.nih.gov)

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10-16-09, 2-16-10, and 6-16-10

**Optimization of Small Molecule Probes for the Nervous System (R21)**

Cross-Institute

This FOA seeks proposals to develop new small molecule probes for investigating biological function in the nervous system via the application of advanced medicinal chemistry and the biological testing of compounds. Research will add a pharmacological dimension to basic neuroscience work, and enable proof-of-principle studies linking nervous system therapeutic targets, mechanisms or phenotypes to disease onset or progression. Grants will provide \$150K in direct costs each year for a period of up to two years. (PAR-09-251)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-09-251.html>

Contact: Mark Scheideler, 301/496-1779 or [scheidelerm@ninds.nih.gov](mailto:scheidelerm@ninds.nih.gov)

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10-18-09 Letter of Intent (*optional*)

11-18-09 Application

**Epigenetic Processes in Development (R21)**

*Eunice Kennedy Shriver* National Institute of Child Health and Human Development

This FOA solicits Exploratory/Developmental Research Grant (R21) applications from institutions/organizations that propose to investigate the role of epigenetic processes at key points during normal and/or pathological embryonic, fetal, childhood, adolescent and reproductive development that are relevant to the NICHD's mission areas. Projects should focus on epigenetic processes or changes in epigenetic marks associated with, causing or resulting from attaining a developmental milestone. Comparisons of the epigenetic state between distinct developmental stages or comparisons between normal and perturbed development at a distinct stages that will elucidate potential epigenetic mechanisms underlying normal development are also encouraged. (RFA-HD-09-033)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-033.html>

Contact: Susan Taymans, 301/496-6517 or [taymanss@mail.nih.gov](mailto:taymanss@mail.nih.gov)

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10-20-09

**2010 NIH Director's Pioneer Award Program (DP1)**

Cross-Institute

The NIH Director's Pioneer Award supports scientists who propose pioneering and possibly transforming approaches to addressing major biomedical or behavioral challenges. The proposed research must reflect ideas substantially different from those already being pursued in the investigator's laboratory or elsewhere. The award funds scientific investigations in the biological, behavioral, clinical, social, physical, chemical, computational, engineering, and mathematical sciences that have the potential to improve the public health. Awardees must commit at least 51% of their research effort to activities supported by the Pioneer Award. Awards will be for up to \$500K in direct costs each year for five years. (RFA-RM-09-010)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-010.html>

Contact: Judith H. Greenberg, 301/594-0943 or [pioneer@nih.gov](mailto:pioneer@nih.gov)

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10-27-09

**2010 NIH Director's New Innovator Award Program (DP2)**

Cross-Institute

The New Innovator Award Program supports early stage investigators of exceptional creativity who propose bold and highly innovative new research approaches that have the potential to produce a major impact on broad, important problems in biomedical and behavioral research. The research may be in any scientific area relevant to the mission of NIH (biological, behavioral, clinical, social, physical, chemical, computational, engineering, and mathematical sciences) but need not be in a conventional biomedical or behavioral discipline. Applicants must not have previously competed successfully as PD/PI for a significant NIH independent research award and be within 10 years of completing his or her terminal research degree. Awards will be for up to \$300K in direct costs each year for five years. (RFA-RM-09-011)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-011.html>

Contact: Ravi Basavappa, 301/594-0828 or [newinnovator@nih.gov](mailto:newinnovator@nih.gov)

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11-24-09

**Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) (R01)**

Cross-Institute

This FOA solicits applications from researchers proposing exceptionally innovative research on novel hypotheses or difficult problems, solutions to which would have an extremely high impact on biomedical or biobehavioral research that is germane to the mission of one or more of the participating NIH Institutes. Participating institute are NIGMS, NCI, NIA, NIAAA, NIDCR, NIDA, NIMH, NINDS, and NLM. EUREKA projects should be new projects, not continuation of projects that have already been initiated. They will begin and be completed during the funding period. Up to \$800K in direct costs over four years, prorated for shorter periods, may be requested. (RFA-GM-10-009)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-009.html>

Contact: Varies by institute, see RFA

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**DEPARTMENT OF DEFENSE**

9-24-09 Abstract (*encouraged*)

11-5-09 Proposal

**Advanced Structural Fiber**

Defense Advanced Research Projects Agency (DARPA)

DARPA is soliciting innovative manufacturing proposals to develop revolutionary new fibers for use in structural composites. This effort is focused on moving to production, materials and processes which have already shown revolutionary lab-scale results. To be considered for funding, proposers must address all aspects of fiber manufacturing: precursor material, fiber formation, fiber processing, and surface modification. To span the requisite technical breadth necessary for the effort, appropriate teaming is a critical element in responding to this solicitation. DARPA will not be funding component technologies that address only a subset of the technologies listed in this solicitation. (DARPA-BAA-09-70) URL: <http://www.darpa.mil/dso/solicitations/baa09-70.htm> Contact: Dr. Brian Holloway, [DARPA-BAA-09-70@darpa.mil](mailto:DARPA-BAA-09-70@darpa.mil)

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9-30-09 Proposal abstract (*encouraged*)

12-18-09 Full proposal

### **Antibody Technology Program**

Defense Advanced Research Projects Agency (DARPA)

DARPA seeks two-phase proposals that describe innovative research towards developing and demonstrating the ability to simultaneously improve antibody stability and control antibody affinity. The goal of the program is to enable multiplexed, antibody-based biosensors that have long shelf life and operate in harsh environments that are relevant to the DoD mission. Phase I will focus on developing and demonstrating strategies for achieving high stability and controllable affinity in separate antibody molecules. An optional Phase II will be considered dependent on the level of success in Phase I and on DARPA's perceived value of the proposed approach.

(DARPA-BAA-09-69)

URL: <http://www.darpa.mil/dso/solicitations/baa09-69.htm>

Contact: Dr. Mildred Donlon, [DARPA-BAA-09-69@darpa.mil](mailto:DARPA-BAA-09-69@darpa.mil)

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10-7-09 Proposal

### **Bioinspired Nanophotonics**

Defense Advanced Research Projects Agency (DARPA)

DARPA is soliciting innovative research proposals in the area of bioinspired photonics. The goal of the program is to harness nature's photonic structures and utilize advances in materials technology to create controllable photonic devices at visible and near infrared wavelengths. DARPA seeks to enable advanced functionality in either Physical or Chemical Activation. Proposed research should investigate innovative bio-inspired synthetic organic and inorganic approaches that enable revolutionary advances in 3-D dynamically tunable photonic band-gap structures and volatile organic vapor sensors at visible and near infrared wavelengths. (DARPA-BAA-09-71)

URL: <http://www.darpa.mil/dso/solicitations/baa09-71.htm>

Contact: Dr. Viktoria Greanya, [DARPA-BAA-09-71@darpa.mil](mailto:DARPA-BAA-09-71@darpa.mil)

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11-23-09 Proposal

### **National Oceanographic Partnership Program (NOPP) and Interagency Committee on Ocean Science and Resources Management Integration (ICOSRMI)**

Office of Naval Research

Research proposals are solicited for two topics: TOPIC 1: Improving Attachments of Electronic Data Loggers to Cetaceans, which includes two subtopics: SUB-TOPIC 1a. Determining Causes of Tag Attachment Success and/or Failure, and SUB-TOPIC 1b. Case Studies to Determine the Short- and Long-term Physical, Physiological, and Behavioral Effects of Tags on Animals; and TOPIC 2: Improvements in High-Resolution, Tide-Resolving Global Ocean Predictions. Team efforts are required among at least two of the following three sectors: academia, industry, and government. Up to \$8M over four years is available for this solicitation. (ONR-BAA 09-037)

URL: <http://www.onr.navy.mil/02/baa/>

Contact: Dr. Manuel Fiadeiro, [manny.fiadeiro@navy.mil](mailto:manny.fiadeiro@navy.mil)

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## **OTHER FEDERAL AGENCIES**

### **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

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12-4-09 Letter of Intent

2-5-10 Proposal

### **Solar and Heliospheric Physics**

Heliophysics

This program funds research in five solar and heliospheric areas: solar interior, solar photosphere, solar chromospheres and corona, inner heliosphere, and outer heliosphere and the interstellar boundary. Research may be nonflight Supporting Research and Technology carried out in the laboratory or Low Cost Access to Space using payloads on balloons or rockets. (NNH09ZDA001N)

URL:

<http://nspires.nasaprs.com/external/viewrepositorydocument/cm/documentid=176861/B.2%20Solar%20and%20Helio%20v2.pdf>

Contact: Dr. Therese Kucera, 202/358-3649 or [hq-shp-](mailto:hq-shp-)

[ps@nasa.gov](mailto:ps@nasa.gov)

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### **NATIONAL SECURITY ADMINISTRATION**

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10-15-09

### **Young Investigators Grant**

#### **Standard Grant**

#### **Senior Investigators Grant**

#### **Conferences, Workshops and Special Situations**

Mathematical Sciences Program

The NSA MSP supports self-directed, unclassified research in the areas of Algebra, Number Theory, Discrete Mathematics, Probability, and Statistics. The Young Investigators Grant is available to promising investigators within ten years of receiving the Ph.D. The basic award is \$15K per year for two years. Standard grants include support for one month of summer salary for the PI, financial support of up to \$7K a graduate student, and miscellaneous expenses. Senior Investigator grants will provide partial support for up to two graduate students, travel support for the PI and graduate students, equipment, and other miscellaneous expenses. Single year awards of up to \$15K are also available to fund conferences on mathematical research or grants other innovative programs at a university in one of the designated research areas.

URL: <http://pjm.math.berkeley.edu/nsa-ams/about/journal/guidelines.html>

Contact: Dr. Heather L. Garten, 301/688-0400 or

[hlgarte@nsa.gov](mailto:hlgarte@nsa.gov)

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### **U. S. DEPARTMENT OF EDUCATION**

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10-6-09

### **Fulbright-Hays Group Projects Abroad Program**

Office of Postsecondary Education

This program provides grants to support overseas projects in training, research, and curriculum development in foreign languages and area studies for teachers, students, and faculty. Projects may include short-term seminars, curriculum development, or group research or study. Projects must focus on the humanities, social sciences and languages, and must focus on one or more of the following areas: Africa, East Asia, South Asia, Southeast Asia and the Pacific, Central and South America, Mexico, the Caribbean, East Central Europe and

Eurasia, and the Near East. The program will award \$50K to \$90K for up to one year. (CFDA 84.021)  
URL: <http://www.ed.gov/programs/iegpsqpa/index.html>  
Contact: Michelle Guilfoil, 202/502-7625 or [michelle.guilfoil@ed.gov](mailto:michelle.guilfoil@ed.gov)

## U. S. DEPARTMENT OF ENERGY

10-23-09 Letter of Intent  
11-4-09 Proposal

### **Recovery Act: Smart Grid Investment Grant Program** Office of Electricity Delivery and Energy Reliability

The Recovery Act Smart Grid Investment Grant Program (SGIG) seeks to accelerate the modernization of the nation's electric transmission and distribution systems and promote investments in smart grid technologies, tools, and techniques which increase flexibility, functionality, interoperability, cyber-security, situational awareness, and operational efficiency. The cost share or match must be at least 50% of the total allowable costs of the project—any UCSB investigators who intend to submit a full application should contact the appropriate dean(s) and the Office of Research immediately. (DE-FOA-0000058)  
URL: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000058&agency=DOE>  
Contact: [DOESGIGQuestions@HQ.DOE.GOV](mailto:DOESGIGQuestions@HQ.DOE.GOV)

11-5-09 Preapplication  
1-29-10 Application

### **Computational Biology and Bioinformatic Methods to Enable a Systems Biology Knowledgebase** Office of Science

This funding will lead to the development of new computational biology and bioinformatic methods and analytics to enable the Systems Biology Knowledgebase. There are four objectives that may be addressed by applicants responding to this FOA: (1) develop methods to integrate together multiple data types, (2) develop new methods to infer and curate (meta)genomic functional annotations, (3) develop methods to couple multiple cellular pathways and processes, and (4) develop new methods to model whole cellular processes. Projects that exhibit strong collaboration between experimental data generators, bioinformatic and computational biologists, and computer scientists are encouraged, as are applications involving multiple institutions. Funding is expected to range \$100K to \$500K annually for up to three years. (DE-FOA-0000143)  
URL: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000143&agency=DOE>  
Contact: Susan Gregurick, 301/903-7672 or [Susan.Gregurick@science.doe.gov](mailto:Susan.Gregurick@science.doe.gov)

## NATIONAL ENDOWMENT FOR THE HUMANITIES

10-8-09  
**DFG/NEH Bilateral Digital Humanities Program: Enriching Digital Collections**  
Office of Digital Humanities

The National Endowment for the Humanities and the German Research Foundation (DFG) are working together to offer support for digitization projects in the humanities. These grants provide funding for up to three years in any of the following areas: new digitization projects and pilot projects; the addition of important materials to existing digitization projects; and the development of tools and infrastructure to enhance the use of digitized resources and support international digitization work.

Collaboration between U.S. and German partners is a key requirement for this grant category. Each application must be sponsored by at least one eligible German individual or institution, and at least one U.S. institution. Awards range from \$100K to \$350K for up to 3 years. (CFDA 45.169)  
URL: [http://neh.gov/grants/guidelines/DFG\\_EDC.html](http://neh.gov/grants/guidelines/DFG_EDC.html)  
Contact: Office of Digital Humanities, [odh@neh.gov](mailto:odh@neh.gov)

10-29-09  
**DFG/NEH Bilateral Digital Humanities Program: Bilateral Symposia and Workshops**  
Office of Digital Humanities

The National Endowment for the Humanities and the German Research Foundation (DFG) in Germany are working together to offer support for up to two bilateral symposia or workshops in the area of digital humanities. Proposals should specify an output resulting from the event or events (in most cases this will be a conference report and first steps toward future bilateral collaboration). Proposals should also include a plan for the dissemination of the results of the symposium or workshop. Each application must be sponsored by one eligible institution (U.S.) and one individual (Germany), and there must be a project director from each country. Awards range from \$20K to \$100K. (CFDA 45.169)  
URL: [http://neh.gov/grants/guidelines/DFG\\_BSW.html](http://neh.gov/grants/guidelines/DFG_BSW.html)  
Contact: Office of Digital Humanities, [odh@neh.gov](mailto:odh@neh.gov)

10-29-09  
**Collaborative Research Grants**  
Division of Research Programs

These grants support research undertaken by two or more scholars or by an individual requiring additional staff and resources beyond his/her salary. Eligible projects include: research that significantly adds to knowledge and understanding in the humanities; conferences on topics of major importance in the humanities that will benefit ongoing research; archaeological projects that include the interpretation

and communication of results; and research that uses the knowledge, methods, and perspectives of the humanities to enhance understanding of science, technology, medicine, and the social sciences. (CFDA 45.161)  
URL: <http://www.neh.gov/grants/guidelines/collaborative.html>  
Contact: 202/606-8200 or [collaborative@neh.gov](mailto:collaborative@neh.gov)

10-29-09  
**Scholarly Editions and Translations**  
Division of Research Programs

Scholarly Editions and Translations grants support the preparation of editions and translations of pre-existing texts and documents that are currently inaccessible or available in inadequate editions. Projects must be undertaken by a team of at least one editor or translator and one other staff member. Grants typically support editions and translations of significant literary, philosophical, and historical materials, but other types of work, such as musical notation, are also eligible. Awards are made for one to three years and normally range from \$50K to \$100K per year. (CFDA 45.161)  
URL: <http://www.neh.gov/grants/guidelines/editions.html>  
Contact: 202/606-8200 or [editions@neh.gov](mailto:editions@neh.gov)

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12-8-09

### **Sustaining Cultural Heritage Collections**

Division of Preservation and Access

This grant program helps cultural institutions meet the challenge of preserving large and diverse holdings of humanities materials by supporting preventive conservation measures that mitigate deterioration and prolong the life of collections. Planning and evaluation grants of up to \$40K support the development and assessment of preventive conservation strategies, while implementation grants of up to \$400K support implementation of a preventive conservation project. Projects that focus on sustainable preservation strategies will be expected to create a white paper documenting lessons learned, so that others can benefit from the grantees' experience. (CFDA 45.149)

URL: <http://www.neh.gov/grants/guidelines/SCHC.html>

Contact: 202/606-8570 or [preservation@neh.gov](mailto:preservation@neh.gov)

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### **U.S. DEPARTMENT OF COMMERCE**

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10-8-09 Pre-proposal (*required*)

12-7-09 Proposal

### **2010 Ocean Exploration (OE) Program**

National Oceanic and Atmospheric Administration

Funding is available for projects to search, investigate, and document poorly-known and unknown areas of the ocean and Great Lakes through interdisciplinary exploration, and to advance and disseminate knowledge of the ocean environment and its physical, chemical, and biological resources. Proposals should be bold, innovative, and exploratory in their approach. NOAA will fund approximately six awards at an average award level of \$500K.

URL: <http://edocket.access.gpo.gov/2009/pdf/E9-20740.pdf>

Contact: 301/734-1015 or [OAR.OE.FAQ@noaa.gov](mailto:OAR.OE.FAQ@noaa.gov)

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### **INSTITUTE FOR MUSEUM AND LIBRARY SERVICES**

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10-5-09 Campus Notice of Intent

11-2-09 Agency Deadline

### **Museums for America – Limited Submission**

Institute of Museum and Library Services

Through three broad categories—engaging communities, building institutional capacity, and collections stewardship, Museums for America grants provide funds for the full range of museum programs and activities, including digitization, staff training, research, exhibitions, educational programs, community partnerships and collections management. Grants range from \$5K to \$150K. UCSB as an organization may submit a single application for one or more of its museums. (CFDA 45.301)

URL: <http://www.ims.gov/applicants/grants/forAmerica.shtm>

Contact: Sandra Narva, 202/653-4634 or [snarva@ims.gov](mailto:snarva@ims.gov), or Steven Shwartzman, 202/653-4641 or [sshwartzman@ims.gov](mailto:sshwartzman@ims.gov)

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### **PRIVATE/NONPROFIT AGENCIES**

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10-1-09 and 12-1-09

### **Franklin Research Grants**

American Philosophical Society

The American Philosophical Society awards small grants to scholars in order to support the cost of research leading to publication in all areas of knowledge including costs of travel to libraries and archives for research purposes; the purchase of

microfilm, photocopies, or equivalent research materials; the costs associated with fieldwork; or laboratory research expenses. Applicants are expected to have a doctorate or to have published work of doctoral character and quality. Funding is offered up to \$6K for use in 2010.

URL: <http://www.amphilsoc.org/grants/franklin>

Contact: Linda Musumeci, 215/440-3429 or

[lmusumeci@amphilsoc.org](mailto:lmusumeci@amphilsoc.org)

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10-15-09, 1-15-10, 4-15-10, and 7-15-10

### **Startup, Education, and Research Allocations**

TeraGrid

A TeraGrid allocation provides access to computing and storage resources and to advanced support services at TeraGrid resource provider (RP) sites. Using high-performance network connections, the TeraGrid integrates high-performance computers, data resources and tools, and high-end experimental facilities around the country. Researchers can also access more than 100 discipline-specific databases. Startup allocations are appropriate for code development, experimentation with TeraGrid platforms, or for application testing. Research allocations may be requested for any computation resource and require a formal request document.

URL:

[https://portal.teragrid.org/gridsphere/gridsphere?cid=allocations\\_overview](https://portal.teragrid.org/gridsphere/gridsphere?cid=allocations_overview)

Contact: 866/907-2383 or [help@teragrid.org](mailto:help@teragrid.org)

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10-15-09

### **Pulitzer Prize in Letters**

Pulitzer Prize Board

Books first published in the United States during 2009 are eligible for consideration for the Pulitzer Prize in Letters. Prizes are awarded in Fiction, Biography, General Nonfiction, U.S. History, and Poetry. Award winners receive \$10K.

URL: [http://www.pulitzer.org/how\\_to\\_enter](http://www.pulitzer.org/how_to_enter)

Contact: 212/854-3841 or [pulitzer@pulitzer.org](mailto:pulitzer@pulitzer.org)

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10-15-09

### **Research Scholar Grant**

American Cancer Society

The American Cancer Society supports investigator-initiated research projects in basic, preclinical, clinical and epidemiologic research in a variety of cancer-related areas. Research should be high impact and innovative. Applicants must be within six years of their first independent research or faculty appointment at the time of application, and may not already have substantial grant support. Awards are for up to four years and for up to \$200K per year in direct costs.

URL:

[http://www.cancer.org/docroot/RES/content/RES\\_5\\_2x\\_Research\\_Scholar\\_Grants\\_for\\_Beginning\\_Investigators.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Research_Scholar_Grants_for_Beginning_Investigators.asp?sitearea=RES)

Contact: Charles Saxe, 404/929-6919 or

[charles.saxe@cancer.org](mailto:charles.saxe@cancer.org)

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10-15-09

### **External Faculty Fellowships**

Stanford Humanities Center

The Stanford Humanities Center provides fellowships to support research projects in the humanities. Applicants must be at least three years beyond the receipt of a Ph.D. Junior fellowships are offered for scholars no more than ten years

beyond receipt of a Ph.D. and senior fellowships are offered for those more than ten years beyond the receipt of a Ph.D. There are usually six to eight fellows each year.

URL: [http://shc.stanford.edu/fellowships/external\\_fac.htm](http://shc.stanford.edu/fellowships/external_fac.htm)  
Contact: Robert Barrick, 650/723-3054 or [rbarrick@stanford.edu](mailto:rbarrick@stanford.edu)

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10-15-09

**Visionary Award  
New Investigator Award**

Hope for Vision

Hope for Vision supports research aimed at developing treatments and cures for retinal degenerative diseases including retinitis pigmentosa, Usher syndrome, Stargardt's disease and macular degeneration. Visionary Awards are awarded annually, generally for a period of one year. Awards range from \$25K to \$100K. The New Investigator Award is for researchers within five years of receiving their PhD without significant NIH funding. Awards range from \$75K to \$150K per year for two years.

URL: <http://www.hopeforvision.org/grants>

Contact: 646/840-4208 or [grants@hopeforvision.org](mailto:grants@hopeforvision.org)

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10-15-09

**Semester or Quarter Scholar-in-Residency Grants  
Colloquium Grants**

Albert and Elaine Borchard Foundation

The Foundation offers grants at the Château de la Bretesche in France for faculty to spend a term in residence or to host a colloquium. Scholar-in-Residency grants combine a stipend of \$30K for research for a semester or quarter during academic year 2010-11 and accommodations in the Château de la Bretesche as a home base for research and/or writing up the research findings. Candidates should be on sabbatical leave during the residency. The Foundation expects a scholarly publication to derive from the grant. Colloquium grants award \$35K to academicians to organize and direct 3-day international colloquia in their academic fields at the in the summer months of 2010. They should be small in size, with participants equally divided between Americans and Europeans. The Foundation expects grantees to publish the proceedings. Applications for both grants are welcome from any academic discipline.

URL:

<http://www.research.ucsb.edu/resources/documents/FranceGrants2010.pdf>

Contact: Dr. Janna Beling, 818/730-0353

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10-15-09, 1-15-10, 4-15-10, and 7-15-10

**History of Art, Conservation, and Digital Resources Grants**  
The Samuel H. Kress Foundation

Through its Grant Programs, the Kress Foundation supports scholarly projects that promote the appreciation, interpretation, preservation, study and teaching of European art from antiquity to the early 19th century. The History of Art grants support scholarly projects that enhance the appreciation and understanding of European art and architecture. Conservation grants support the professional practice of art conservation. The Digital Resources grants support the creation of online resources in art history. The Foundation also accepts grant applications for projects that fall outside the three main areas on an ongoing basis. Grants are up to \$100K.

URL: <http://www.kressfoundation.org/grants/default.aspx?id=56>

Contact: 212/861-4993 or [info@kressfoundation.org](mailto:info@kressfoundation.org)

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10-16-09

**Visiting Scholars Program**

American Academy of Arts and Sciences

The Visiting Scholars Program is an interdisciplinary center housed at the headquarters of the American Academy of Arts and Sciences in Cambridge, Massachusetts. Its purpose is to stimulate and support research by promising scholars and practitioners in the early stages of their careers and to foster exchange between an emerging generation of scholars and Academy members with shared interests. Proposals should focus on one of four research areas: Science and Global Security; Social Policy and American Institutions; Humanities and Culture; and Education Policy. Applicants must be within 10 years of receiving their Ph.D.

URL: <http://www.amacad.org/visiting.aspx>

Contact: 617/576-5002 or [vsp@amacad.org](mailto:vsp@amacad.org)

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10-19-09

**Standard Awards**

**Pilot Awards**

**Postdoctoral Fellowship Awards**

American Health Assistance Foundation,  
Alzheimer's Disease Research

The goal of the American Health Assistance Foundation grants is to advance innovative research promoting advances in the etiology, prevention, and treatment of Alzheimer's disease. Awards are open to basic science or clinical research collaborations. The standard award provides funding for researchers who have already generated some amount of preliminary data, but still require significant progress before they can apply to governmental or industrial funding agencies. Pilot awards are designed to take a highly innovative proposal with modest preliminary data and give investigators the opportunity to prove their ideas. They are often given to investigators who need funding to demonstrate the validity of a focused hypothesis. Postdoctoral fellowship awards are intended for young researchers in their final stages of mentored training. These awards are meant to fund projects in an established laboratory that will serve as the basis for the applicant's own independent research career.

URL: <http://www.ahaf.org/research/apply/main.html>

Contact: 800/437-2423 or [researchgrants@ahaf.org](mailto:researchgrants@ahaf.org)

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10-23-09

**Standard Awards**

American Health Assistance Foundation,  
National Glaucoma Research

The goal of the American Health Assistance Foundation grants is to advance innovative research promoting advances in the etiology, prevention, and treatment of glaucoma. Awards are open to basic science or clinical research collaborations. The standard award provides funding for researchers who have already generated some amount of preliminary data, but still require significant progress before they can apply to governmental or industrial funding agencies. Awards provide \$100K over two years.

URL: <http://www.ahaf.org/research/apply/main.html>

Contact: 800/437-2423 or [researchgrants@ahaf.org](mailto:researchgrants@ahaf.org)

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10-30-09

**Doctoral New Investigator Grants**

Petroleum Research Fund, American Chemical Society

This program funds advanced scientific education and fundamental research in the petroleum field, which may include any field of pure science which in the judgment of ACS may afford a basis for subsequent research directly connected with the petroleum field. Regularly-appointed faculty members within the first three years of their first appointment at the rank of Assistant Professor or the equivalent are eligible to apply. Grants provide \$100K over two years.

URL:

<http://portal.acs.org/portal/PublicWebSite/funding/grants/prf/programs/dni/index.htm>

Contact: Ronald Siatkowski, 202/872-6091 or [r\\_siatkowski@acs.org](mailto:r_siatkowski@acs.org)

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10-31-09

**PEN/Faulkner Award for Fiction**

Pen/Faulkner Foundation

The PEN/Faulkner Award for Fiction is a national prize which honors the best published works of fiction by American citizens in a calendar year. Publishers, agents, or authors may submit books published in 2009 by living American writers.

URL: <http://www.penfaulkner.org/awardforfiction.htm>

Contact: Jessica Neely, 202/898-9063 or [jneely@penfaulkner.org](mailto:jneely@penfaulkner.org)

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11-1-09, 2-1-10, and 5-1-10

**Research Associateship Programs**

National Research Council

The National Research Council provides Research Associateships at participating federal laboratories and research organizations to outstanding scientists and engineers at the postdoctoral and senior level. Applicants select an appropriate laboratory and submit a research plan that relates to the specific opportunity at the sponsoring lab. Selected associates receive a stipend and usually spend a year as a guest investigator.

URL: <http://sites.nationalacademies.org/PGA/RAP/>

Contact: 202/334-2760 or [rap@nas.edu](mailto:rap@nas.edu)

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11-1-09

**The Otto Gründler Book Prize 2010**

Medieval Institute

The Otto Gründler Book Prize awards \$1K to the author of a book or monograph in any area of medieval studies that is judged by the selection committee to be an outstanding contribution to its field. To be eligible for the 2010 prize the book or monograph must have been published in 2008.

URL: <http://www.wmich.edu/medieval/research/book-prize.html>

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11-1-09

**Long-term Fellowships**

Folger Shakespeare Library

The Folger Shakespeare Library offers research fellowships to encourage access to its collections and to encourage ongoing cross-disciplinary dialogue among scholars of the early modern period. The Folger looks for highly talented, productive scholars whose work will be advanced by a prolonged period of access to our collection, and who, while in residence, will contribute to the intellectual vitality of the institution. Long-term

fellowships last from six to nine months. Two Mellon Research Fellowships will be awarded and carry stipends of \$50,000. Three National Endowment for the Humanities Fellowships will be awarded and carry maximum stipends of \$50,400.

URL: <http://www.folger.edu/Content/Collection/Research-Fellowships/>

Contact: Carol Brobeck, 202/ 544-4600 or [cbrobeck@folger.edu](mailto:cbrobeck@folger.edu)

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11-1-09

**Getty Scholar Grants**

The Getty Research Institute

Getty Scholar grant recipients conduct research in residence at the Getty Research Institute, where they pursue their own projects, make use of Getty collections, join their colleagues in weekly meetings, and participate in the intellectual life of the Getty. Applications are welcome from researchers of all nationalities who are working in the arts, humanities, or social sciences. A stipend of up to \$65K per year will be awarded based on length of stay, need, and salary. The grant also includes an office, research assistance, an apartment in the Getty scholar housing complex, and airfare.

URL:

[http://www.getty.edu/foundation/funding/residential/getty\\_scholar.html](http://www.getty.edu/foundation/funding/residential/getty_scholar.html)

Contact: 310/440-7374 or [researchgrants@getty.edu](mailto:researchgrants@getty.edu)

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11-15-09

**American Fellowships**

AAUW

American Fellowships support women doctoral candidates completing dissertations and scholars seeking funds for postdoctoral research leave or for preparing completed research for publication. One-year postdoctoral research leave fellowships, dissertation fellowships, and summer/short-term research publication grants are offered.

URL:

[http://www.aauw.org/education/fga/fellowships\\_grants/american.cfm](http://www.aauw.org/education/fga/fellowships_grants/american.cfm)

Contact: 319/337-1716 ext. 60 or [aaaw@act.org](mailto:aaaw@act.org)

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11-30-09 and 5-1-10

**Small Research Grants**

American Astronomical Society

These small research grants cover costs associated with any type of astronomical research. Grants may cover computing costs, equipment purchase, shipping of equipment, travel to an observatory, travel expenses for students to attend a scientific meeting (but not AAS meetings) and page charges.

URL: <http://aas.org/print/grants/smrq.php>

Contact: Kevin Marvel, 202/328-2010 or [Kevin.Marvel@aas.org](mailto:Kevin.Marvel@aas.org)

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11-30-09

**Research Award**

American Society for Mass Spectrometry

These awards promote academic research by young scientists in mass spectrometry. They are open to academic scientists within four years of joining the tenure track faculty or equivalent. Two \$25K awards are presented annually.

URL: <http://asms.org/Default.aspx?tabid=93>

Contact: 505/989-4517 or [office@asms.org](mailto:office@asms.org)

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12-1-09

**Francis Bacon Award in the History and Philosophy of Science and Technology**

Caltech Division of the Humanities and Social Sciences

The Francis Bacon Award honors an outstanding scholar whose work continues to have a substantial impact on the history of science, the history of technology, and historically-engaged philosophy of science. The award recipient receives a \$20K prize and will be invited to spend one term in residence at Caltech.

URL: <http://www.hss.caltech.edu/humanities/fbacon>

Contact: Emily de Araujo, 626/395-4065 or [emilya@hss.caltech.edu](mailto:emilya@hss.caltech.edu)

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12-1-09

**Research and Doctoral Fellowships**

The Japan Foundation

The Japan Foundation supports outstanding scholars in the humanities and social sciences by providing the opportunity to conduct research in Japan. Both long-term (2-12 months) and short-term (less than 2 months) fellowships are available. The foundation also provides funding for doctoral candidates who have achieved ABD status by the time the fellowship begins.

URL: [http://www.jfny.org/japanese\\_studies/fellowship.html](http://www.jfny.org/japanese_studies/fellowship.html)

Contact: 212/489-0209 or [info@jfny.org](mailto:info@jfny.org)

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12-1-09

**Centennial Fellowship Program**

American Mathematical Society

The AMS Centennial Research Fellowship Program makes awards annually to outstanding mathematicians to help further their careers in research. Applications should include a cogent plan indicating how the fellowship will be used. The plan should include travel to at least one other institution. Recipients must have received his or her doctoral degree between September 1, 1997 and September 1, 2006 and be holding a tenured, tenure track, post-doctoral, or comparable position. Work in all areas of mathematics, including interdisciplinary work, is eligible. The stipend is expected to be \$77K, with an additional expense allowance of \$7,700.

URL: <http://www.ams.org/employment/centflyer.html>

Contact: 401/455-4105 or [prof-serv@ams.org](mailto:prof-serv@ams.org)

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12-1-09

**Scholars-in-Residence Program**

Schomburg Center for Research in Black Culture

The Schomburg Center residency program assists scholars whose research on the black experience can benefit from extended access to the Center's resources. Fellowships will allow recipients to spend six months or a year in residence with access to resources at the Schomburg Center and other research units of The New York Public Library. The program is open to scholars studying the history, literature, and culture of peoples of African descent from a humanistic perspective. Projects in the social sciences, science and technology, psychology, education, and religion are eligible if they utilize a humanistic approach and contribute to humanistic knowledge. Stipends are \$30K for six months and \$60K for twelve months and researchers must be on sabbatical leave.

URL:

<http://www.nypl.org/research/sc/scholars/applicationa.html>

Contact: 212/491-2200 or [sir@nypl.org](mailto:sir@nypl.org)

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12-1-09

**Political Science Fellowships**

**Communications Scholars and Journalists Fellowships**

The American Political Science Association

The purpose of this fellowship is to give early- to mid-career political scientists, communications scholars, and journalists an opportunity to learn more about Congress and the legislative process through direct participation. Applicants must have completed a Ph.D. within the last 15 years. Office assignments as full-time legislative aides in the House of Representatives and/or Senate run from December to August. Fellows receive a stipend of \$38K, plus a small travel allowance.

URL: [http://www.apsanet.org/content\\_3031.cfm?navID=41](http://www.apsanet.org/content_3031.cfm?navID=41)

Contact: 202/483-2512 or [apsa@apsanet.org](mailto:apsa@apsanet.org)

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12-15-09

**Julie Martin Mid-Career Award in Aging Research  
Glenn/AFAR Breakthroughs in Gerontology Awards  
AFAR Research Grants**

American Federation for Aging Research

The American Federation for Aging Research supports several awards to fund aging research. The Julie Martin Mid-Career Award in Aging Research funds associate professors who propose novel directions of high importance to biological gerontology at \$500K over four years. The Glenn/AFAR Breakthroughs in Gerontology Award supports high-risk pilot research programs with significant promise of yielding transforming discoveries in the fundamental biology of aging. Awards offer \$200K over two years. The AFAR Research Grants fund junior investigators conducting research projects concerned with understanding the basic mechanisms of aging. Fifteen grants of up to \$75K will be awarded.

URL: <http://afar.org/grants.html>

Contact: 212/703-9977 or [grants@afar.org](mailto:grants@afar.org)

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12-15-09

**Individual Research Grants**

Christopher & Dana Reeve Foundation

These goals of these grants are to encourage promising new investigators to undertake research on regeneration and recovery, particularly with respect to the spinal cord; encourage researchers who are well-established in other areas to transfer their efforts to spinal cord research; and enable researchers with novel ideas to test their ideas and develop pilot data for seeking larger awards from other funding sources. Established scientists, young investigators, and postdoctoral fellows may apply. Two-year awards of up to \$75K per year are available.

URL:

<http://www.christopherreeve.org/site/lookup.asp?c=ddJFKRNoFiG&b=4434995>

Contact: Douglas Landsman, 973/379-2690 or

[dlandsman@ChristopherReeve.org](mailto:dlandsman@ChristopherReeve.org)

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12-18-09

**Fermi National Accelerator Laboratory Visiting Scholars Program**

Universities Research Association

The URA Visiting Scholars Program at the Fermi National Accelerator Laboratory invites faculty, postdocs, and students to conduct research at Fermilab in areas such as high energy physics experiments, astrophysics, theory, accelerator physics, materials science, and computer science. Visits can range

from attendance at conferences and summer schools to year-long stays. Individual awards may be up to a maximum of \$50,000 in any twelve-month period.

URL:

[http://www.fnal.gov/pub/forphysicists/fellowships/ura\\_visiting\\_scholars/index.html](http://www.fnal.gov/pub/forphysicists/fellowships/ura_visiting_scholars/index.html)

Contact: Fermilab Users Office, 630/840-3000

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Ongoing

**Small Grants Program in Behavioral Economics**

Russell Sage Foundation

This grants research program supports high quality research in behavioral economics and encourages young investigators to enter this developing field. The PI may be from any disciplinary background and the research may address any economic topic. Projects should demonstrate explicit use of psychological concepts in the motivation of the design and the preparation of the results. Applicants must be advanced doctoral students or junior faculty members no more than two years out of graduate school. Awards will be up to \$5K.

URL:

<http://www.russellsage.org/programs/other/behavioral/smallgrants>

Contact: 212/750-6000 or [info@rsage.org](mailto:info@rsage.org)



# Contract and Grant Awards

Office of Research, University of California, Santa Barbara

## June 2009

### American Reinvestment & Recovery Act Funding:

- Ary, A.W., Szumlinski, K.K., Psychology, \$63,807, National Institute of Drug Abuse, "Prefrontal Cortex Homer2, Glutamate, and Cocaine Reward."
- Chabynec, M., Materials, \$316,755, National Science Foundation, "Collaborative Research: Characterization of the Microstructure and Charge Transport at Interfaces of Semiconducting Polymers."
- Conoley, J. (Gevirtz Graduate School of Education), Wiltzius, P. (College of Letters & Science), Gevirtz Graduate School of Education Research Office, \$900,000, National Science Foundation, "CalTeach Santa Barbara."
- Major, B.N., Psychology, \$36,433, National Institute of Heart, Lung & Blood, "The Effects of Perceived Discrimination on Mental and Physical Health."
- Rose, K., Gibson, J.D., Electrical & Computer Engineering, \$498,363, National Science Foundation, "CIF: Small: A Unifying Framework for Aural Signal Coding."
- Clark, J.F. (Earth Science), Institute for Crustal Studies, \$38,673, Water Replenishment District of Southern California, "2009 Rio Hondo-Groundwater Tracer Study."
- Clarke, K.C., Geography, \$239,974, National Geospatial Intelligence Agency, "A Real Time Immersive Virtual Reality Testbed."
- Coldren, L.A., Electrical & Computer Engineering, \$33,000, Ziva Corporation, "U-VCSEL-Bridge."
- Davis, F.W., Donald Bren School of Environmental Science & Management, \$92,085, Woodrow Wilson National Fellowship Foundation, "Doris Duke Conservation Fellows Program."
- Doyle F.J. (Chemical Engineering), Braun, G.B. (Chemistry), Institute for Collaborative Biotechnologies, \$99,962, Army, "Systems Biology Treatments for Optimal Heat Stroke Recovery and Reset."
- Dugan, J.E., Marine Science Institute, \$37,500, California Coastal Commission, "Evaluating Status and Trends in California's Sandy Beach Ecosystems."

### Other Contract & Grant Awards:

- Awschalom, D.D. (Physics), California NanoSystem Institute, \$100,000, UC Los Angeles, "Hewlett Packard/University of California: California NanoSystems Institute."
- Blau, S.D. (Education), Gevirtz Graduate School of Education Research Office, \$28,000, UC California Writing Project, "South Coast Writing Project (CSSA)."
- Blau, S.D. (Education), Gevirtz Graduate School of Education Research Office, \$46,000, National Writing Project Corporation, "Nat'l Writing Project Corporation - NWP."
- Buratto, S.K. (Chemistry & Biochemistry), California NanoSystems Institute, \$180,050, Army, "Ion Conduction in Solid Electrolytes Probed with Atomic Force Microscopy."
- Busby, C.J. (Earth Science), Institute for Crustal Studies, \$27,000, National Park Service, "Landscape Evolution of the Sierra Nevada, California: Paleochannels, Magnetism and Structure."
- Carlson, J. (English), Center for Black Studies Research, \$14,750, UC Office of the President, "Project Excel."
- Cheng, K., Electrical & Computer Engineering, \$58,000, Industrial Technology Research Institute (Taiwan), "Digitally-Assisted Analog Testing Methodology."
- Duran, R.P. (Education), Gevirtz Graduate School of Education Research Office, \$5,000, UC Los Angeles, "Parent and Community Involvement in Latino Academic Attainment."
- Felix, E. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education Research Office, \$151,500, National Institute of Mental Health, "Natural Disaster and Risk of Psychiatric Disorders in Puerto Rican Children."
- Fleishman, E. (Marine Science Institute), Institute for Computational Earth System Science, \$204,146, Navy, "Population Consequences of Acoustic Disturbance of Marine Mammals."
- Fleishman, E. (Marine Science Institute), Institute for Computational Earth System Science, \$176,073, Kresge Foundation, "Identification of Research Questions with Great Potential to Inform Conservation Policy and Investment Strategies in the United States."
- Gilbert, J.R., Computer Science, \$150,000, Massachusetts Institute of Technology, "Algebraic Foundations for High-Performance Array-Based Graph Algorithms."
- Goodchild, M.F., Geography, \$267,392, Army, "User-Generated Terrain Information."

- Goulias, K.G., Isbell, N.A., Geography, \$11,500, Federal Highway Administration, "Eisenhower Fellowship - Nathanael Isbell."
- Hannah, L. (Donald Bren School of Environmental Science & Management), Davis, F.W. (Donald Bren School of Environmental Science & Management), Institute for Computational Earth System Science, \$300,000, California Energy Commission, "Advanced Modeling of the Biological Effects of Climate Change in California."
- Hawker, C.J. (Materials), Materials Research Laboratory, \$234,089, Washington University, (St. Louis, MO), "Integrated Nanosystems."
- Heeger, A.J. (Physics), Bazan, G.C. (Chemistry & Biochemistry), Center for Polymers & Organic Solids, \$750,000, Konarka Technologies, Inc., "Accelerated Pathway toward High Efficiency Bulk Heterojunction Solar Cells."
- Horowitz, G.T., Hartle, J.B., Physics, \$1,380,000, National Science Foundation, "Research in Classical and Quantum Gravity."
- Lenihan, H.S., Valencia, S.R., Donald Bren School of Environmental Science & Management, \$3,000, Sea Space, "Facilitating Community Based Management: a Novel Stock Assessment Method for *Haliotis rufescens* at San Miguel Island."
- Martinez, C. (Campus Outreach Initiatives), Lucas, G. (Executive Vice Chancellor), Institute for Social, Behavioral, & Economic Research, \$186,896, Ventura County Community College District, "Pathway to the Baccalaureate in STEM Fields: Realizing the Dream."
- McCray, W.P. (History), Institute for Social, Behavioral, & Economic Research, \$30,000, Albert & Elaine Borchard Foundation, Inc., "Fusion: The Merging of French Politics and Culture in a Contemporary Mega-Science Project."
- Metiu, H.I., Chemistry & Biochemistry, \$352,500, Air Force, "Catalysis by Atomic-Sized Centers: Methane Activation for Partial Oxidation and Combustion."
- Miescher, S. (History), Bloom, P. (Film Studies), Interdisciplinary Humanities Center, \$7,500, UC Humanities Research Institute, "Revisiting Modernization."
- Morrison, G. (Department of Counseling, Clinical, and School Psychology), Graduate Division, \$34,820, Department of Education, "FY 2009 Fulbright-Hays Doctoral Dissertation Research Abroad Program Application."
- Morse, D.E. (Molecular, Cellular & Developmental Biology), Doyle, F.J. (Chemical Engineering), Institute for Collaborative Biotechnologies, \$900,000, Army, "Institute for Collaborative Biotechnologies - Task 11: "Improved Sensitivity Low-Cost Uncooled IR Detector Focal-Plane Arrays" (Aerospace)."
- Morse, D.E. (Molecular, Cellular & Developmental Biology), Doyle, F.J. (Chemical Engineering), Institute for Collaborative Biotechnologies, \$1,400,000, Army, "Institute for Collaborative Biotechnologies - Task Order 17: "Systems Biology Studies of PTSD"."
- Morse, D.E. (Molecular, Cellular & Developmental Biology), Institute for Collaborative Biotechnologies, \$200,000, Army, "Institute for Collaborative Biotechnologies - Task Order 16 (Woods Hole)."
- Nguyen, T.T. (Chemistry & Biochemistry), Center for Polymers & Organic Solids, \$50,000, Alfred P. Sloan Foundation, "Alfred P. Sloan Research Fellowships - Chemistry."
- Penley, C. (Film Studies), Institute for Social, Behavioral, & Economic Research, \$211,008, UC Irvine, "Digital Ocean: Sampling the Sea."
- Peters, B., Chemical Engineering, \$100,000, American Chemical Society, "Mechanism of  $\text{CH}_3\text{ReO}_3$  Activation for Olefin Metathesis on Amorphous Alumina/Silica."
- Rodwell, M.J., Electrical & Computer Engineering, \$285,000, Teledyne, "Scalable Densely-Micromachined Transceiver Array."
- Roux, M.M., De Tomaso, A.W., Molecular, Cellular & Developmental Biology, \$69,897, National Institute of General Medical Sciences, "Identification of Stem Cells Responsible for Germline Parasitism in *Botryllus*."
- Soh, H.T. (Mechanical Engineering), Institute for Collaborative Biotechnologies, \$330,259, National Institute of Biomedical Imaging and Bioengineering, "Micromagnetic Aptamer PCR System for Ultrasensitive Multiplexed Protein Detection."
- Tague, C. (Donald Bren School of Environmental Science & Management), Institute for Computational Earth System Science, \$58,888, UC Institute of Geophysics and Planetary Physics, "Water Security and Climate Change."
- Treu, T., Physics, \$204,070, Association of Universities for Research in Astronomy, "Luminous and Dark Matter in Disk Galaxies from Strong Lensing and Stellar Kinematics."
- Vandenberg, C.A. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, \$140,000, American Heart Association-Western States Affiliate, "Molecular Characterization of Novel Cardiac Inward Rectifier Potassium Channel."
- Wang, M. (Education), Gevirtz Graduate School of Education Research Office, \$50,000, Tri-Counties Regional Center (Carpinteria, CA), "Assessing Service Impact on Individual and Family Outcomes of Individuals with Developmental Disabilities: An Evaluation Project of Tri-Counties Services."
- Weissglass, J. (Gevirtz Graduate School of Education), Terman, N. (Education), Gevirtz Graduate School of Education Research Office, \$18,000, UC Office of the President, "Tri-County Mathematics Project 08-09 \*State."

- Wilson, D.S., Marine Science Institute, \$85,451, University of Nebraska, "Modeling Antarctic Paleotopography."
- Zheng, H., Computer Science, \$74,685, Intel Corporation, "Enabling Coexistence of Heterogeneous Wireless Networks."

*Data provided by the Office of Research. “( )” represent investigators’ home departments when those are different from the administering unit.*



# Contract and Grant Awards

Office of Research, University of California, Santa Barbara

## July 2009

### American Reinvestment & Recovery Act Funding:

- Bowers, M.T. (Chemistry & Biochemistry), Institute for Terahertz Science & Technology, \$730,000, National Science Foundation, "Non-Covalent Complexes."
- Burbank, D.W. (Earth Science), Institute for Crustal Studies, \$282,370, National Science Foundation, "Controls on Growth of the Puna Plateau, NW Argentina."
- Ettenberg, A., Psychology, \$647,662, National Institute of Drug Abuse, "Mechanisms of Opiate and Stimulant Drug Reinforcement."
- Hacker, B.R. (Earth Science), Mattinson, J.M. (Earth Science), Institute for Crustal Studies, \$391,382, National Science Foundation, "The Dynamics of UHP Tectonism: Does the Western Gneiss Region Consist of Multiple (U)HP Blocks With Different Histories?"
- Ji, C. (Earth Science), Archuleta, R.J. (Earth Science), Institute for Crustal Studies, \$361,394, National Science Foundation, "Kinematic and Dynamic Rupture Characterization of the 2008 Ms 8 Wenchuan Earthquake Sequence."
- Lisiecki, L. (Earth Science), Marine Science Institute, \$317,113, National Science Foundation, "Climate Forcing of Atlantic Overtipping Over the Last 3 Myr."
- Schimel, J.P. (Ecology, Evolution & Marine Biology), Institute for Computational Earth System Science, \$313,386, National Science Foundation, "Collaborative Research: The Changing Seasonality of Tundra Nutrient Cycling: Implications for Ecosystem and Arctic System Functioning."
- Schimel, J.P. (Ecology, Evolution & Marine Biology), Institute for Computational Earth System Science, \$301,642, National Science Foundation, "Collaborative Research: Environmental Changes Alter the Carbon Cycle of High Arctic Ecosystems: Shifts in the Ages and Sources of CO<sub>2</sub> and DOC."
- Smith, W.C. (Molecular, Cellular & Developmental Biology), Manjunath, B.S. (Electrical & Computer Engineering), Neuroscience Research Institute, \$844,296, National Institute of Child Health & Human Development, "Morphomic Analysis of a Simple Chordate."
- Speck, J.S., Materials, \$330,000, National Science Foundation, "Materials World Network: Growth and Characterization of Bulk Crystals and Epitaxial Films of beta-Ga<sub>2</sub>O<sub>3</sub>, SnO<sub>2</sub>, In<sub>2</sub>O<sub>3</sub> and ZnO."

- Suri, S., Bullo, F. (Mechanical Engineering), Computer Science, \$848,000, National Science Foundation, "RI: Medium: Collaborative Research: Minimalist Mapping and Monitoring."

### Other Contract & Grant Awards:

- Banerjee, K., Electrical & Computer Engineering, \$450,000, National Science Foundation, "SHF: Small: A CAD Framework for Coupled Electrical-Thermal Modeling of Interconnects in 3D Integrated Circuits."
- Beltz, G.E. (Mechanical Engineering), Hawker, C.J. (Materials), California NanoSystems Institute, \$972,000, UC Irvine, "California LSAMP Bridge to the Doctorate Cohort V, UCSB."
- Beltz, G.E. (Mechanical Engineering), College of Engineering, \$285,630, UC MESA, "UCSB 2008-09 MESA Schools Program."
- Blascovich, J.J., Psychology, \$255,396, National Science Foundation, "HHC: Small: Collaborative Research: Design and Evaluation of Socially Engaging Avatars."
- Bookhagen, B. (Geography), Fisher, G.B. (Earth Science), Institute for Computational Earth System Science, \$30,000, National Aeronautics & Space Administration, "ASTER-Derived River Widths and Spatial Implications for Erosion in the Tectonically Active Himalaya."
- Brown, C.J. (French & Italian), Interdisciplinary Humanities Center, \$13,988, Etant Donnes (France), "Women, Culture, and the Arts in Renaissance Europe."
- Carlson, C.A. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$697,305, University of Miami, "Collaborative Research: Global Ocean Repeat Hydrography, Carbon, and Tracer Measurements, 2009-2014."
- Church, R.L., Geography, \$40,000, US Forest Service, "Modeling Forest Management for Habitat Protection."
- Cosden, M. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education Research Office, \$50,000, County of Santa Barbara, "Sober Women and Healthy Families."
- Cosden, M. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education Research Office, \$7,643, County of Santa Barbara, "Evaluation of First Steps System of Care."

- Cosden, M. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education Research Office, \$31,000, County of Santa Barbara, "SBC ADP 09-10."
- Cosden, M. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education Research Office, \$50,000, County of Santa Barbara, "Methamphetamine Recovery Services (MARS)."
- Cosden, M. (Department of Counseling, Clinical, and School Psychology), Kaminsky, I.D. (Student Health Service), Gevirtz Graduate School of Education Research Office, \$207,439, Department of Education, "UCSB CASE: Implementing and Evaluating a Model Program to Reduce High-Risk Drinking on College Campuses."
- Cosden, M. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education Research Office, \$20,000, County of Santa Barbara, "SBC SACPA ADP 08-09."
- Cotter, P.A., Low, D.A., Molecular, Cellular & Developmental Biology, \$301,317, UC Irvine, "*Burkholderia pseudomallei* Autotransporter and TPS Proteins."
- De Vries, M.S., Chemistry & Biochemistry, \$555,000, National Science Foundation, "Excited State Dynamics of DNA Base Pairs."
- Downing, E., Student Health Service, \$44,000, County of Santa Barbara, "Education and Outreach to Students, Property Managers and Other Isla Vista Community Stakeholders on Binge Drinking Prevention."
- Downing, E., Student Health Service, \$3,000, County of Santa Barbara, "Tobacco Cessation for Special Populations."
- Dozier, J.C. (Donald Bren School of Environmental Science & Management), Rittger, K.E., Institute for Computational Earth System Science, \$30,000, National Aeronautics & Space Administration, "Improving Runoff Forecasting with Enhanced Estimates of Snow Properties."
- Fleishman, E. (Marine Science Institute), Institute for Computational Earth System Science, \$50,000, Wilburforce Foundation, "Maintaining Connectivity in the Great Basin in the Face of Climate and Land-Cover Change."
- Furlong, M. (Department of Counseling, Clinical, and School Psychology), Felix, E. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education Research Office, \$135,000, County of Santa Barbara, "Evaluation of Proposition 10-Funded Activities for Santa Barbara County."
- Geyer, R. (Donald Bren School of Environmental Science & Management), Stoms, D.M., Institute for Computational Earth System Science, \$218,120, National Science Foundation, "Spatially-Explicit Life Cycle Assessment Tools for Environmental Sustainability."
- Goulias, K.G., Deutsch, K.E., Geography, \$35,500, Federal Highway Administration, "Eisenhower Fellowship - Kathleen Deutsch."
- Gross, D.J. (Physics), Kavli Institute for Theoretical Physics, \$40,560, Air Force, "Conference on Critical Issues Related to Higher Temperature Superconductors."
- Halpern, B.S., Marine Science Institute, \$43,275, University of Massachusetts, "Human Impacts Mapping."
- Hannah, L. (Donald Bren School of Environmental Science & Management), Institute for Computational Earth System Science, \$21,739, California Department of Forestry, "Climate Change Vegetation Model and Database Development."
- Heeger, A.J. (Physics), Wudl, F. (Chemistry & Biochemistry), Institute for Collaborative Biotechnologies, \$1,300,000, General Technical Services LLC, "Toward Flexible Solar Panels with Efficiencies Greater than 10%."
- Hespanha, J.P., Khammash, M. (Mechanical Engineering), Electrical & Computer Engineering, \$10,000, National Science Foundation, "Proposal for a Systems and Control Workshop."
- Holden, P.A., Winneker, T.R., Donald Bren School of Environmental Science & Management, \$30,000, UC Toxic Substances Research & Teaching, "Gene Expression of *P. aeruginosa* Exposed to Cd(II) Salts and CdSe Quantum Dots."
- Hollerer, T.H., Computer Science, \$28,055, Toyon Research Corporation, "High Accuracy Tracking System for Infantry Training."
- Jellison, R.S., Melack, J.M. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$310,310, Los Angeles Department of Water and Power, "Proposal to Provide Professional, Scientific, Expert, and Technical Services for the Mono Lake Limnological Monitoring Program."
- Koegel, R. (Department of Counseling, Clinical, and School Psychology), Koegel, L. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education Research Office, \$51,567, County of Santa Barbara, "Early Mental Health and Other Special Needs Initiative."
- Marek-Sadowska, M., Electrical & Computer Engineering, \$167,326, National Science Foundation, "Collaborative Research: SGER: Layout Generation Tools for Double-Gate-Transistor-Array-Based IC Designs."
- Morse, D.E. (Molecular, Cellular & Developmental Biology), Marine Science Institute, \$350,000, Department of Energy, "Biological and Biomimetic Low-Temperature Routes to Materials for Energy Applications."
- Morton, C. (Theater & Dance), Chicano Studies Institute, \$3,724, UC Humanities Research Institute, "Teatro Tour."

- Nelson, N.B., Carlson, C.A. (Ecology, Evolution & Marine Biology), Institute for Computational Earth System Science, \$773,496, NASA Shared Services Center, "Ocean Color Observations on CLIVAR: Inherent Optical Properties and Community Structure on Trans-Ocean Sections."
- Pearson, J., Theater & Dance, \$10,000, Dance/USA, "American Masterpieces: Dance Marimba Project."
- Pettus, T.R., Chemistry & Biochemistry, \$1,132,387, National Institute of General Medical Sciences, "The Synthesis and Application of Novel Aromatic Materials."
- Reich, N.O., Chemistry & Biochemistry, \$50,000, UC Cancer Research Coordinating Committee, "Mechanistic and Inhibition of the Human de novo DNA Methyltransferase DNMT3A."
- Rodwell, M.J., Electrical & Computer Engineering, \$4,360,250, Cornell University, "UCSB Node of the National Nanotechnology Infrastructure Network."
- Rodwell, M.J., Electrical & Computer Engineering, \$2,250,000, Teledyne, "THz Electronics for Transceiver Arrays (THETA): THz Transistor and IC Development."
- Rodwell, M.J., Electrical & Computer Engineering, \$90,000, Georgia Institute of Technology, "RET Site: National Nanotechnology Infrastructure Network (NNIN) RET."
- Rothman, J.H. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, \$1,508,958, National Institute of Child Health & Human Development, "Specification and Differentiation of Endoderm in *C. elegans*."
- Scott, S.L., Chemical Engineering, \$85,338, Dow Chemical Company, "Investigation of Silica-Supported Bimetallic Polymerization Catalysts."
- Sherwin, M. (Physics), Institute for Terahertz Science & Technology, \$20,000, Tanner Research, Inc., "A Room Temperature Tunable Antenna Coupled Intersubband Terahertz (TACIT) Detector for Man-Portable Spectroscopy Instruments."
- Smith, S. (Department of Counseling, Clinical, and School Psychology), Cosden, M. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education Research Office, \$39,213, Society for Personality Assessment Foundation, "An Investigation of Personality Assessment with Challenging Psychotherapies."
- Squires, T., Chemical Engineering, \$75,000, Camille & Henry Dreyfus Foundation, "Camille Dreyfus Teacher-Scholar Award: Dynamic Effects at Physico-Chemical Interfaces."
- Tague, C. (Donald Bren School of Environmental Science & Management), Institute for Computational Earth System Science, \$79,462, US Geological Survey, "The Western Mountain Initiative: Vulnerability and Adaptation to Climate Change in Western Mountain Ecosystems."
- Van Dam, W.K., Computer Science, \$443,880, National Science Foundation, "Small: CIF: Exact Thresholds for Quantum Information Processing."
- Voss, L.B., Orfalea Family Children's Center, \$197,615, California Department of Education, "California State Preschool Program Application."
- Voss, L.B., Orfalea Family Children's Center, \$249,934, California Department of Education, "2009-2010 California Department of Education General Child Care."
- Wang, L., Electrical & Computer Engineering, \$330,000, National Science Foundation, "SHF: Small: Data Learning Framework for Diagnosis Based Yield Optimization."
- Yan, X., Computer Science, \$368,488, National Science Foundation, "III: Medium: Collaborative Research: Towards On-Line Analytical Mining of Heterogeneous Information Networks."
- Zok, F.W., McMeeking, R.M., Materials, \$2,499,905, Teledyne, "Hypersonic Materials and Structures."

*Data provided by the Office of Research. “( )” represent investigators’ home departments when those are different from the administering unit.*



# Contract and Grant Awards

Office of Research, University of California, Santa Barbara

## August 2009

### American Reinvestment & Recovery Act Funding:

- Bouwmeester, D. (Physics), Petroff, P.M. (Materials), Institute for Terahertz Science & Technology, \$399,914, National Science Foundation, "Solid-State Cavity Electrodynamics."
- Bowers, J.E., Colbert, D., Electrical & Computer Engineering, \$15,700,000, Department of Energy, "Center on Materials for Energy Efficiency Applications."
- Hacker, B.R. (Earth Science), Mattinson, J.M. (Earth Science), Institute for Crustal Studies, \$341,828, National Science Foundation, "How Does the Lower Crust Thicken and Grow During Continent Collisions? A Case Study of the Pamir."
- Kruegel, C., Computer Science, \$405,000, National Science Foundation, "Career: Toward Eliminating Malicious Code."
- Leal, L.G., Squires, T., Chemical Engineering, \$314,469, National Science Foundation, "Nanoparticles as Surfactants: Static and Dynamic Properties."
- Lipshutz, B.H. (Chemistry & Biochemistry), Institute for Terahertz Science & Technology, \$200,000, National Science Foundation, "EAGER: Chemistry of Water-Intolerant Intermediates...in Water."
- Loomis, J.M. (Psychology), Institute for Social, Behavioral, & Economic Research, \$602,322, National Eye Institute, "Multimodally Encoded Spatial Images in Sighted and Blind."
- Manjunath, B.S., Electrical & Computer Engineering, \$1,950,000, National Science Foundation, "CDI-Type II: Computational Challenges in the Discovery and Understanding of Complex Biological Structures Through Multimodal Imaging."
- McFadden, J. (Geography), King, J. (Geography), Institute for Computational Earth System Science, \$499,945, National Science Foundation, "Collaborative Research: Coupling Human Choice and Biogeochemical Cycling in Urban Ecosystems."
- McMeeking, R.M., Mechanical Engineering, \$180,000, National Science Foundation, "GOALI: Collaborative Research: Engineered Surface Microstructures by Machining."
- Nuernberger, A., Goodchild, M.F., Geography, \$200,000, National Science Foundation, "Development and Assessment of Self-Assessed Scales for Everyday Environmental Knowledge (Seek)."
- Parsons, S.M. (Chemistry & Biochemistry), Neuroscience Research Institute, \$37,280, Washington University, "Vesicular Acetylcholine Transporter Imaging Agents."
- Passow, U., Alldredge, A.L. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$705,703, National Science Foundation, "Will Ocean Acidification Diminish Particle Aggregation and Mineral Scavenging, Thus Weakening The Biological Pump?"
- Porter, S.M. (Earth Science), Institute for Crustal Studies, \$214,813, National Science Foundation, "Collaborative Research: Ocean Oxidation and the Biosphere During Neoproterozoic Glaciation."
- Rodoplu, V., Electrical & Computer Engineering, \$278,770, National Science Foundation, "NeTS: Small: Automated Design of Medium Access Control Protocols."
- Seshadri, R., Materials, \$360,000, National Science Foundation, "Materials World Network: Approaches to the Coupling of Dilute Spins in Oxides."
- Shell, M., Chemical Engineering, \$403,254, National Science Foundation, "Career: An Integrated Multiscale Platform for Fundamental Studies of Peptide Self-Assembly."
- Weimbs, T. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, \$8,038, National Institute of Diabetes, Digestive & Kidney Diseases, "Regulation of the mTOR Pathway in Polycystic Kidney Disease."
- Wodtke, A.M., Chemistry & Biochemistry, \$333,705, National Science Foundation, "Purchase of a Gas Chromatograph Time-of-Flight Mass Spectrometer for High Resolution Small Molecule Analysis with Cyber Enabled Remote Access for Research, Education, and Outreach."
- Zhao, Y., Belding, E.M., Computer Science, \$700,000, National Science Foundation, "NeTS: Medium: Airlab: Distributed Infrastructure for Wireless Measurements."
- Zheng, H., Computer Science, \$269,000, National Science Foundation, "NeTS: Small: A Practical and Efficient Trading Platform for Dynamic Spectrum Distribution."

### Other Contract & Grant Awards:

- Awschalom, D.D. (Physics), California Nanosystems Institute, \$1,000,000, Air Force, "Synthesis and Engineering of Diamond for Nanoelectronics, Photonics, and Quantum Information Processing."

- Belkin, A. (Political Science), Institute for Social, Behavioral, & Economic Research, \$25,000, Johnson Family Foundation, "Palm Center Research, Communications, and Military Outreach."
- Beltz, G.E. (Mechanical Engineering), College of Engineering, \$5,750, UC MESA, "MESA NSF Scholarship."
- Bergstrom, T.C. (Economics), Garratt, R.J. (Economics), Institute for Social, Behavioral, & Economic Research, \$400,000, National Science Foundation, "Bone Marrow Registries and Donor Motives."
- Blumenthal, D.J., Bowers, J.E., Electrical & Computer Engineering, \$9,215,092, Advanced Research Projects Agency, "ULLW-PICs: Ultra Low Loss Waveguides for High Performance Integrated Photonic Delays Using Passive/Active InP/SiO<sub>2</sub> and InP/Si/SiO<sub>2</sub> PIC Platforms."
- Blumenthal, D.J., Electrical & Computer Engineering, \$300,000, Advanced Research Projects Agency, "Proposal for Seeding on Optical Field Programmable Gate Arrays (FPGA)."
- Blumenthal, D.J., Electrical & Computer Engineering, \$300,000, Army, "Sub-Wavelength Metal Gratings for Slow Light and Optical Communications Applications."
- Bowers, J.E., Electrical & Computer Engineering, \$75,000, Hewlett Packard, "High-Speed, Low-Threshold Hybrid Silicon Evanescent Ring Resonator Lasers."
- Carlson, C.A. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$339,737, National Science Foundation, "Collaborative Research: ETBC: The Coupling Between Dom, Algae, and Microbes on Coral Reef Platforms."
- Carr, D.L., Murtinho, F., Geography, \$11,950, National Science Foundation, "Doctoral Dissertation Research: Adaptation in Watershed Management Among Andean Rural Communities."
- Dahlquist, F.W., Chemistry & Biochemistry, \$1,269,423, National Institute of General Medical Sciences, "Mechanistic Studies of Bacterial Chemotaxis."
- Feinstein, S.C. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, \$226,493, Society for Progressive Supranuclear Palsy, Inc., "Tau-Mediated Effects Upon Microtubule Structure and Kinesin Translocation."
- Fredrickson, G.H., Chemical Engineering, \$330,000, National Science Foundation, "Field-Theoretic Polymer Simulations: Free Energy and Multi-Scale Methods."
- Gaines, S. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$1,625,000, Department of Commerce, "Ocean Science Education Building, Phase 1."
- Gaines, S. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$38,318, Environmental Defense Fund, "Ocean Analytics."
- Glassow, M.A. (Anthropology), Institute for Social, Behavioral, & Economic Research, \$100,000, National Oceanic and Atmospheric Administration, "Mal de Mer no Mas: Searching for Early Underwater Sites in The Sea of Cortez."
- Grafton, S.T., Psychology, \$131,951, Einstein University, "Prospective Control of Action: Computational Principles, Neural Substrates, and Clinical Implications."
- Gurven, M.D. (Anthropology), Von Rueden, C.R. (Anthropology), Institute for Social, Behavioral, & Economic Research, \$11,750, National Science Foundation, "Dissertation Research: The Determinants and Outcomes of Male Social Status in a Rapidly Acculturating Amazonian Society."
- Halpern, B.S., Marine Science Institute, \$24,827, University of North Carolina, "Mapping the Vulnerability of Coastal Marine Ecosystems to Anthropogenic Climate Change."
- Hampton, S., Marine Science Institute, \$140,793, National Oceanic and Atmospheric Administration, "Cameo: Building the Foundation, New Statistical Tools for Analyzing Community Dynamics with Applications to Marine Zooplankton."
- Homsy, G.M., Mechanical Engineering, \$390,000, UC Lab Fees Research Program, "IMMS UC Lab Fees Research Program Contingency Award."
- Kanjo-Jurist, K., Gonzales, E., Art Museum, \$35,000, Andy Warhol Foundation for Visual Arts, Inc., "The Imagery of Ruins in Contemporary Art."
- Lange, F.F., Materials, \$330,000, National Science Foundation, "Understanding Defects Generated by the Low Temperature Aqueous Synthesis of ZnO."
- Levi, C.G., Materials, \$30,052, Directed Vapor Technologies International, Inc., "STTR Phase I: High-Temperature Environmental Barrier Coating for Silicon Carbide Composites."
- Lieberman, D.A., Institute for Social, Behavioral, & Economic Research, \$738,445, Robert Wood Johnson Foundation, "National Program Office: Research on Games for Health."
- Liu, A.Y., English, \$35,000, UC Office of the President, "Transliterations."
- Martinis, J.M. (Physics), Cleland, A.N. (Physics), California Nanosystems Institute, \$8,210,000, Army, "Low-Loss Materials for Josephson Qubits."
- Mayer, R., Psychology, \$263,352, Carnegie Mellon University, "Adaptex: Exploring the Learning Benefits of Erroneous Examples and Their Dynamic Adaptations within the Context of Middle-School Mathematics."
- Meiburg, E.H., Mechanical Engineering, \$270,000, National Science Foundation, "The Formation of Channels, Gullies and Sediment Waves by Turbidity Currents: A Navier-Stokes Based Framework."

- Mishra, U.K., Electrical & Computer Engineering, \$10,000, Navy, "36th International Symposium on Compound Semiconductors (ISCS 2009) - 1."
- Mishra, U.K., Electrical & Computer Engineering, \$10,000, Navy, "36th International Symposium on Compound Semiconductors (ISCS 2009) - 2."
- Morse, D.E. (Molecular, Cellular & Developmental Biology), Institute for Collaborative Biotechnologies, \$1,100,000, General Technical Services LLC, "Bio-Inspired Low-Temperature Catalytic Synthesis of Nanoparticle Barium Titanate for Fireproof Lithium Ion Batteries."
- Morton, C. (Dramatic Art), Chicano Studies Institute, \$6,463, UC Mexus, "Intercambio Teatral."
- Ostwald, T., Chemistry & Biochemistry, \$48,000, UC Office of the President, "South Coast Science Project."
- Palerm, J. (Anthropology), Lanzas, G. (Anthropology), Chicano Studies Institute, \$1,470, UC MEXUS, "Development in the Tropics: The Case of Plan Chontalpa and its Impacts on a Rural Community in Tabasco, Mexico."
- Perona, J.J., Chemistry & Biochemistry, \$1,273,267, National Institute of General Medical Sciences, "Specificity in the Synthesis of Aminoacyl-tRNA."
- Segura, D.A. (Sociology), Institute for Social, Behavioral, & Economic Research, \$6,897, American Sociological Association, "Dilemmas of Diversity: Inclusion and Exclusion of Racial-Ethnic Minority Graduate Students in Sociology."
- Soh, H.T. (Mechanical Engineering), Xiao, Y., Institute for Collaborative Biotechnologies, \$1,540,331, National Institute of Biomedical Imaging and Bioengineering, "Strain Specific Detection of Influenza at the Point-of-Care."
- Sorlien, C.C., Institute for Crustal Studies, \$49,999, National Science Foundation, "Collaborative Research: The North Anatolian Fault in the Marmara Sea, Turkey: The Growth of Continental Transform Basins."
- Spafford, J., Keller, U., History of Art & Architecture, \$1,237, Artstor Inc., "Contribution of African Material to Artstor from UCSB's Visual Resources Collection."
- Spaldin, N.A. (Materials), Levi, C.G. (Materials), Materials Research Laboratory, \$5,380,000, National Science Foundation, "IMI: International Center for Materials Science (ICMS)."
- Stemmer, S., Materials, \$140,000, Semiconductor Research Corporation, "Tunnel Junction Devices for Nonvolatile Memories."
- Stemmer, S., Spaldin, N.A., Materials, \$6,250,000, Army, "Emergent Phenomena at Mott Interfaces."
- Teel, A.R., Electrical & Computer Engineering, \$321,053, National Science Foundation, "Stability Theory for Set-Valued Stochastic Hybrid Systems."
- Thorsch, J.A. (Ecology, Evolution & Marine Biology), D'Antonio, C.M. (Environmental Studies Program), Marine Science Institute, \$272,162, National Science Foundation, "Infrastructure Upgrade and Curation of the Cheadle Center for Biodiversity and Ecological Restoration Herbarium at UCSB."

*Data provided by the Office of Research. “( )” represent investigators’ home departments when those are different from the administering unit.*