



Funding Resources

Office of Research, University of California, Santa Barbara

January/February 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.

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. 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
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blewalker@isber.ucsb.edu or 893-3576
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Revision of the NSF Grant General Conditions (GC-1)

Effective January 5, 2009, new NSF grants and funding amendments to existing NSF grants are subject to the Grant General Conditions (GC-1) dated 01/09. The Research Terms and Conditions will not apply to NSF cooperative agreements or NSF fellowship awards to individuals.

Significant changes include Travel, Article 10, which has been updated to incorporate revised circumstances under which use of a foreign-flag air carrier is permissible; and Expenditure Reports, Article 16, which has been revised to require use of the Federal Financial Report (FFR) instead of the Federal Cash Transaction Report (FCTR) for submission of expenditure information.

See http://www.nsf.gov/pubs/gc1/jan09.pdf?govDel=USNSF_80.

NIH Urges Early Stage Investigators to Update eRA Commons Profiles

Investigators who received their terminal research degrees or completed their medical residencies within the past ten years, and who have not previously received a substantial NIH research grant, may be eligible to qualify as Early Stage Investigators (ESI) for NIH R01 research grant applications.

An ESI is a subset of the New Investigator category. R01 grant applications from Early Stage Investigators will be flagged beginning with the February 2009 R01 submissions. Reviewers will be instructed to focus more on the research portion of the applications and less on the PI's track record. Beginning in May 2009, Early Stage Investigator applications will be clustered for review.

The idea behind this new policy is to encourage scientists to seek NIH funding for their research early on in their career. Eligible PIs are urged to log into eRA Commons (<https://commons.era.nih.gov/commons/>) and update their Personal Profile. Updates should be made *before* submission of an R01 application.

New International Competition: The Digging into Data Challenge

A new international competition, the *Digging into Data Challenge*, encourages humanities and social science research using large-scale data analysis, challenging scholars to develop international partnerships and explore vast digital resources, including electronic repositories of books, newspapers and photographs to identify new opportunities for scholarship.



International teams with members from at least two participating countries will be asked to demonstrate how data mining and data analysis tools currently used in the sciences can improve humanities and social science scholarship.

Interested applicants must submit a letter of intent by March 15, 2009. Sponsors include the U.K. Joint Information Systems Committee (JISC), the U.S. National Endowment for the Humanities (NEH) and National Science Foundation (NSF), and the Canadian Social Sciences and Humanities Research Council (SSHRC). For full program information, see <http://www.diggingintodata.org/>.

NSF Regional Grants Conference—March 30-31

Arizona State University will host the next NSF Regional Grants Conference on March 30-31, 2009. NSF representatives and faculty, researchers, and grant administrators from colleges and universities around the U.S. will participate.

The conference will provide insight into a wide range of current issues at NSF including the state of current funding; new and current policies and procedures; and pertinent administrative issues.

For additional information or to register, visit <https://www.seeuthere.com/rsvp/invitation/invitation.asp?id=m2c757-1LZIF9T0MYS6U>.

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.

Programs with upcoming campus deadlines include:

- National Science Foundation Math Science Partnership (MSP)—Campus pre-proposal deadline (*required*) 1/12/09 (none received); Agency proposal deadline (*varies by type*) 2/17/09 or 8/20/09
- Ellison Medical Foundation New Scholar Award in Aging—Campus pre-proposal deadline (*required*) 1/15/09 (none received); Agency proposal deadline 2/26/09
- National Science Foundation Presidential Awards for Excellence in Science, Mathematics, and Engineering (PAESMEM)—Campus notice of intent deadline (*required*) 2/2/09; Agency proposal deadline 3/3/09

Campus Honors and Awards

- **Anthony Barbieri-Low**, professor of history, was awarded the James Henry Breasted Prize recognizing the best book in English or any field of history prior to 1000 A.D. for “Artisans in Early Imperial China.”
- **Oliver Chadwick**, chair of geography and professor of environmental studies, was named a Fellow of the American Association for the Advancement of Science (AAAS) for his outstanding contributions to mineral weathering, soil development, critical zone exploration, soil polygenesis, climate change, and biochemical cycling in soils.
- **Mattanah de Vries**, professor of chemistry and biochemistry, was named a Fellow of the American Association for the Advancement of Science (AAAS) for his distinguished contributions in developing studies of isolated biomolecular building blocks in the gas phase that reveal fundamental properties of nucleobase pairing and peptide folding.
- **Michael Gazzaniga**, director of the Sage Center for the Study of the Mind and professor of psychology, has received the American Psychological Association 2008 Distinguished Scientific Contribution Award, which honors psychologists who have made distinguished theoretical or empirical contributions to basic research in psychology.
- **Gerald Jacobs**, research professor of psychology, has received the 2009 Verriest Medal from the International Colour Vision Society for his contributions in the field of color vision.
- **Richard Mayer**, professor of psychology and of education, has received from the American Psychological Association the Award for Distinguished Contributions of Applications of Psychology to Education and Training, and the Presidential Citation in recognition of leadership in educational and cognitive psychology.
- **Claudine Michel**, director of the Center for Black Studies Research and professor of black studies, has received the Haitian Studies Association Service Award in recognition of her commitment to the advancement of Haitian studies.
- **Stanley Parsons**, professor of chemistry and biochemistry, was named a Fellow of the American Association for the Advancement of Science (AAAS) for his pioneering functional, structural and pharmacological studies of the vesicular acetylcholine transport system (VACHT).
- **Susannah Scott**, professor of chemical engineering and of chemistry and biochemistry, was named a Fellow of the American Association for the Advancement of Science (AAAS) for her studies on the applications and quantitative characterizations of metal-oxide supported organo-metallic fragments as catalysts of olefin polymerization and metathesis.
- **David Seibold**, professor of communication, has received the Robert J. Kibler Memorial Award from the National Communication Association in recognition of his “dedication to excellence, commitment to the profession, concern for others, vision of what could be acceptance of diversity, and forthrightness.”
- **David Siegel**, director of the Institute for Computational Earth System Science (ICESS) and professor of geography, was named a Fellow of the American Association for the Advancement of Science (AAAS) for his distinguished contributions to ocean optics, implications of mixing and stirring in the ocean, ocean bio-optics, ocean-color remote sensing, and spatial interactions in population dynamics.
- **Herbert Waite**, professor of molecular, cellular, and developmental biology and of chemistry and biochemistry, was named a Fellow of the American Association for the Advancement of Science (AAAS) for his fundamental studies of the chemical and physical aspects of biological adhesion leading to new biomimetic materials.

NSF – Integrating Human and Social Dynamics Goals into SBE Programs

As reported in a Dear Colleague letter dated December 9, 2008, the NSF Directorate for Social, Behavioral & Economic Sciences (SBE) now encourages submission of research proposals covering complexity science, large-scale interdisciplinary research, and infrastructure to the regular SBE programs.

There are no special competitions or new programs for these three areas, but there will be new funds available in the Divisions to support these activities where they differ in scope or scale from the traditional core of the programs. One of the key topics of Human and Social Dynamics-funded work in each of these three areas concerns the relation between human activities and environmental change.

For the full Dear Colleague Letter, see http://www.nsf.gov/pubs/2009/nsf09019/nsf09019.jsp?govDel=USNSF_80.

Sponsored Projects Training for Administrators in Research (STAR)

Developed by the Office of Research, STAR, the Sponsored Projects Training for Administrators in Research program is designed for employees with duties and responsibilities related to contract and grant administration. Participants are welcome to take one or several courses in areas of particular interest to them—or they may opt to earn a certificate.

The program offers 11 required courses, which are provided in two series. Track A is offered from September through June. Track B is offered February through August. Classes meet in the Marine Sciences Building Auditorium (MSB 1302). For more information please visit www.research.ucsb.edu/s_p/sp_class_schedule.shtml or e-mail training@research.ucsb.edu.

Post-Award Administration—Required (3 hours)

This course addresses several aspects of post-award administration and will include presentations from selected campus representatives. Topics are award set-up, department responsibilities, obtaining campus approvals for post-award actions, travel, equipment management, reporting requirements, and closeout. (Track A) **Thursday, February 5, 2009; 9:00am-12:00pm**

Overview of Contract and Grant Administration—Required (2 hours)

This introductory course provides an overview of the administration of sponsored projects at UCSB and lays the foundation for later courses. Topics covered are campus research rankings, the Office of Research infrastructure and role, shared responsibilities, the general legal principles and policies that guide

research activities, resources to help locate and secure extramural funding, and tools, such as the Office of Research website. (Track B) **Thursday, February 19, 2009; 9:00am-11:00am**

Financial Management—Required (3 hours)

This course addresses the financial aspects of administering an extramural award. Financial topics reviewed are cost transfers, re-budgeting, direct costing, overdrafts and balances, close-out procedures and reports, and Personnel Activity Reporting. (Track A) **Thursday, March 5, 2009; 9:00am-12pm**

Enhancing Peer Review and New Scoring Procedures at NIH

NIH's new enhanced review criteria and scoring procedures will be effective for all applications for research grants and cooperative agreements submitted for funding consideration for fiscal year 2010 and thereafter. The first standing due date for FY2010 is January 25, 2009.

A summary of the enhanced review criteria is available at <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-025.html>. Highlights of the new scoring system are below, and details are available at <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-024.html>.

New Scoring System The new scoring system will utilize a 9-point rating scale (1 = exceptional; 9 = poor).

Percentile Rankings Percentile rankings will be calculated anew, starting with scores from the May 2009 cycle of review, and reported to the nearest whole number.

Scores for Individual Criteria Before the review meeting, each reviewer and discussant assigned to an application will give a separate score for each of five core review criteria (Significance, Investigator(s), Innovation, Approach, and Environment). For all applications, even those not discussed by the full committee, the scores of the assigned reviewers and discussant(s) for these criteria will be reported individually on the summary statement.

Priority Scores – Discussed Applications Before the review meeting, each reviewer and discussant assigned to an application will give a preliminary impact score for that application. The preliminary impact scores will be used to determine which applications will be discussed. For each application that is discussed, a final impact score will be given by each eligible committee member (without conflicts of interest). Each member's impact score will reflect his/her evaluation of the overall impact that the project is likely to have on the research field(s) involved, rather than a weighted average applied to the reviewer's scores given to each criterion (see above).

The overall impact score for each discussed application will be determined by calculating the mean score from all the eligible members' impact scores, and multiplying the average by 10; the overall impact score will be reported on the summary statement. Thus, the 81 possible overall impact scores will range from 10 - 90.

Funding Decisions The new scoring system may produce more applications with identical scores. Thus, other important factors, such as mission relevance and portfolio balance, will be considered in making funding decisions when grant applications are considered essentially equivalent on overall impact, based on reviewer ratings.

New Publications Available for Viewing

- [Annual Report to Employees 2008](#), National Science Foundation
- [Autumn/Winter 2008 Transect](#), UC Natural Reserve System (NRS)
- [FY 2008 Annual Financial Report](#), National Science Foundation
- [FY 2008 Annual Performance Report](#), National Science Foundation
- [Issues in Science and Technology](#), National Academy of Sciences
- [Resources, Issue 170](#), Resources for the Future
- [Succeed, Winter 2009](#), Grants.gov

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.
- 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

1-20-09

Research Concept Solicitation
Air Resources Board (ARB)

The Air Resources Board (ARB) is soliciting ideas for the Fiscal Year 2009-2010 Research Plan. ARB's program of research probes causes, effects, and solutions to California's air pollution problems. This research provides a scientific basis for development of regulations, voluntary programs, and outreach efforts; Board decision-making; and implementation of initiatives to protect the health of people and the environment. General areas of research that are critical to ARB's mission include: Health and Exposure; Emissions, Transport, and Transformation; Technology Advancement and Pollution Prevention; Agriculture; and Climate Change. Ideas outside of indicated research interests will also be considered. URL: <http://www.arb.ca.gov/research/apr/plan/concepts/concepts09-10.htm>.

Contact: Susan Fischer, 916/324-0627 or sfischer@arb.ca.gov

1-28-09

Energy-Related Environment Research Relevant to California—Public Interest Energy Research - Environmental Research Area (PIER-EA)
California Energy Commission

Each of the four PIER topics for this solicitation represents a major variable in the overall picture of environmentally focused energy research in a California context: air quality, aquatic resources, terrestrial resources, and community scale energy research. Funded research will contribute toward a more comprehensive understanding of the relationship between energy generation and distribution and its impact on California's environment. (PON-08-003) URL: http://www.energy.ca.gov/contracts/PON-08-003/PON-08-003_Application_Manual.pdf.

Contact: Joe O'Hagan, johagan@energy.state.ca.us

1-30-09

Bluesky Innovation - Social Computing in 2020
UC Transliteracies Project
Social Computing Group, UC Santa Barbara

Social Computing in 2020 seeks to promote new research directions for social-computing technologies of the future. The competition is open to students worldwide, and participants are encouraged to think broadly and freely about how society and technology will interact 10 to 20 years from now. Submissions

should address some specific or general aspect of how people or society will interact with future social-computing technology. The technological component — hardware, software, or some combination — should be innovative but possible within a 10- to 20-year timeline.

URL: <http://socialcomputing.ucsb.edu/contest2020/>.Contact: socialcomputing@lsmail.ucsb.edu

1-30-09

Renewable-Based Energy Secure Communities (RESCO)
California Energy Commission

This solicitation aims to: 1) Identify and co-fund three or more integrated renewable energy (RE) projects that enable effective use of multiple geographically convenient RE sources and address technical, economic, and environmental barriers to implementation of renewable energy secure communities (RESCO) in California; and 2) Identify and co-fund one project for each RESCO collateral category projects that complement the RESCO integration projects. The integrated RE projects are targeted to be organized by leading California communities in collaboration with other private and public sector partners. Resulting integrated technical solutions will be replicable by sustainable communities in California.

URL: http://www.energy.ca.gov/contracts/PON-08-004/PON-08-004_Application_Manual.pdf.Contact: Valentino Tiangco, vtiangco@energy.state.ca.us

2-1-09

Community Outreach and Training
Graduate Student Research Travel Grants
Systemwide Workshops

California Studies Consortium, UC Humanities Research Institute, UC Irvine

Community Outreach and Teaching Grants will support faculty research and creative work that involves community organizations in California and contributes to a broader goal of building ties between UC campuses and off-campus communities. Grants will support faculty projects that focus mainly on questions relevant to California and its rapidly changing social and cultural demography. The Kevin Starr Travel Grant assists UC graduate students for travel and access to archives and collections for research in California Studies. The Systemwide Workshops program invites proposals for a series of faculty workshops based on a clear theme relating to California Studies in a global context and open to different disciplinary approaches.

URL: http://www.uchri.org/page-home.php?page_id=1257&cat_id=3#research.
Contact: Mariam Lam, mariam.lam@ucr.edu

2-1-09

Individual Research Grant

UC Linguistic Minority Research Institute, UC Santa Barbara

Grant proposals are encouraged that seek to understand and improve educational outcomes for language minority students, including English learners, redesignated English learners, and dialect English speakers. Individual Research Grants, which award up to \$20,000 over 12 months, are intended 1) to generate valuable research findings from small-scale or pilot projects, and 2) to provide seed money for projects that will seek funding from other resources. UC Faculty and research staff with PI status are eligible to submit. Preference will be given to applicants who have not previously received an LMRI grant, and to junior faculty members.

URL: <http://www.lmri.ucsb.edu/grantcall/individual.php>.
Contact: lmri@lmri.ucsb.edu or 805/893-2250

2-1-09

Regional Seminars and Research Workgroups

California Studies Consortium, UC Humanities Research Institute, UC Irvine

UCCSC invites proposals from UC faculty or faculty sponsored graduate students looking at Northern, Southern, or Central California, centering on new or evolving themes that will map out new regions of critical California Studies. Particularly encouraged are: seminars with a regional focus; California regional studies; comparative regionalism; and topical foci such as ethnic and race studies; environment; gender; work; human rights; citizenship; housing; poverty; education; cultural practices. Activities include retreats; faculty-led graduate seminars; off-campus forums; faculty workgroups; or K-12 or university curricula transformation. Awards are up to \$5,000. Additional funding (up to another \$5,000) is available for a digitizing or archival component and plans for technological infrastructure. Cost sharing at a rate of 1:2 is required.

URL: http://www.uchri.org/page.php?page_id=1307
Contact: Mariam Lam, mariam.lam@ucr.edu

2-2-09, 6-1-09, and 10-5-09 **UC MEXUS Small Grants**

3-16-09 **UC MEXUS-CONACYT Collaborative Grants and Fellowships**

03-30-09

UC MEXUS Research Grants and Dissertation Fellowships

UC Institute for Mexico and the United States (UC MEXUS)

UC MEXUS supports work in all disciplines as it relates to fostering collaborative ties with Mexican scientists and scholars and/or contributing to the areas of Mexican Studies, U.S.-Mexico relations and critical issues, and studies of Mexican-origin populations in California. Small Grants provide up to \$1,500 and Research Grants up to \$15,000 for UC faculty and researchers. The UC MEXUS-CONACYT Collaborative Grants award up to \$25,000 to teams of UC and Mexican PIs, and the UC MEXUS-CONACYT Fellowships provide funds for postdoctoral or visiting scholars. Dissertation Fellowships of up to \$12,000 are available for UC graduate students.

URL: <http://www.ucmexus.ucr.edu/funding/>.
Contact: Andrea Kaus, 951/827-3519 or andrea.kaus@ucr.edu; Wendy DeBoer, 951/827-7339 or wendy.deboer@ucr.edu

2-15-09 and 4-15-09

CNSI Research Seed Funding Program

California Nanosystems Institute, UC Santa Barbara

The focus of the program is to provide early support up to \$50,000 for innovative, high risk/high reward research projects for CNSI-UCSB faculty members. At least three projects will be funded per cycle. CNSI intends to fund one project specifically led by a non-tenured faculty member each cycle. The remaining two projects may be led by either tenured or non-tenured CNSI-UCSB faculty members.

URL: http://www.cnsi.ucsb.edu/funding/seed_funding/.
Contact: Holly Woo, 805/893-4130 or woo@cnsi.ucsb.edu

2-15-09 Visual Arts Practice and Research Emerging Fields

UC Institute for Research in the Arts, UC Santa Barbara

UCIRA will grant up to \$10,000 for individual and collaborative projects that represent the most innovative and relevant arts research taking place within the UC system. Partial matching funding and campus support is required. UC arts faculty, staff, and students are eligible, but a full-time faculty member must sponsor each project. Visual Arts projects may include 2D, 3D, or multi-media projects, or critical curatorial practice. Emerging Fields projects may include new forms, alternative genres, collective public projects, or new media innovations. UCIRA is committed to supporting risk-taking research that might not otherwise find funding from other sources.

URL: <http://www.ucira.ucsb.edu/grants.html>.
Contact: Holly Unruh, 805/893-7799 or info@ucira.ucsb.edu

2-27-09

Individual Faculty General Research Grant

Academic Senate, UC Santa Barbara

Any Academic Senate member may apply for funds to support his or her own research project. Awards average \$4,000 to \$5,000 and may be used for expenses including hourly research assistants at less than 25% time, project-specific supplies, materials, and travel for field or archival research purposes. Funds for computers and computer hardware are considered only in exceptional circumstances. Only one application per call will be accepted from any faculty member.

URL: <http://senate.ucsb.edu/grants/>.

Contact: Connie Howard, connie.howard@senate.ucsb.edu

4-8-09

Health Games Research: Advancing Effectiveness of Interactive Games for Health

Robert Wood Johnson Foundation

Institute for Social, Behavioral, and Economic Research, UC Santa Barbara

Health Games Research is a national program of the Robert Wood Johnson Foundation (RWJF) that funds research to enhance the quality and impact of interactive games that are used to improve health. The goal of the program is to advance the innovation, design and effectiveness of health games and game technologies so that they help people improve their health-related behaviors and, as a result, achieve significantly better health outcomes. In this round of funding, approximately \$2 million will be available to support outstanding research projects that study one or more games designed to increase physical activity and/or improve self-care. Up to 15 research

grants of between \$100,000 and \$300,000 will be awarded for projects lasting one to two years.

URL: www.rwjf.org/applications/solicited/cfp.jsp?ID=20424.

Contact: Debra Lieberman, 805/893-7787 or healthgamesresearch@isber.ucsb.edu

NATIONAL SCIENCE FOUNDATION

2-17-09

Advancing Theory in Biology (ATB)

Biological Sciences

Progress in the biological sciences is supported by the development of theory, which identifies plausible models, testable predictions, and general principles necessary to understand the dynamics and diversity of living systems. Examples are chaos theory, the theory of evolution by means of natural selection, neutral theory, and network theory. Advancing Theory in Biology calls for the development of new theory, or the significant extension of existing theory, to provide an explanatory framework for common themes that cross levels of biological organization. (NSF 08-513)

URL: <http://www.nsf.gov/pubs/2008/nsf08513/nsf08513.htm>.

Contact: Kamal Shukla, 703/292-7131 or BioTheory@nsf.gov

2-18-09

2010 Project

Biological Sciences

This program will support research to determine the functions of all genes in the model plant *Arabidopsis thaliana* by the year 2010. Investigators will be supported to conduct creative and innovative, genome-wide or systems-level research designed to determine, using all available means, the functions of *Arabidopsis* genes. The program will continue to support genome-wide analyses and research on biological networks using high throughput methods and integrating modeling with experimental data. (NSF 09-514)

URL: http://www.nsf.gov/pubs/2009/nsf09514/nsf09514.htm?govDel=USNSF_25.

Contact: Gerald Berkowitz, 703/292-7879 or bio-2010@nsf.gov

2-24-09

Collaboration in Mathematical Geosciences (CMG)

Cross-Directorate

The purpose is to enable collaborative research at the intersection of mathematical sciences and geosciences, and to encourage cross-disciplinary education. Projects should fall within one of three themes: 1) mathematical and statistical modeling of complex geosystems, 2) understanding and quantifying uncertainty in geosystems, or 3) analyzing large/complex geoscience data sets. Research groups must include at least one mathematical/statistical scientist and at least one geoscientist. Proposals that address problems with relevance to global change and sustainability are especially encouraged. (NSF 09-520)

URL: http://www.nsf.gov/pubs/2009/nsf09520/nsf09520.htm?govDel=USNSF_25.

Contact: Junping Wang, 703/292-4488 or jwang@nsf.gov

3-13-09

Human Origins (HOMINID)

Social, Behavioral, and Economic Sciences

This competition is directed towards increasing our knowledge of the complex biological, physical, and behavioral interrelationships that led to the development of our species and that are responsible for both the shared and variable features that characterize living human populations. The competition will support large scale, long term, integrative research and infrastructure projects through awards up to \$500,000 per year for up to five years. (NSF 08-512)

URL: http://www.nsf.gov/pubs/2009/nsf09521/nsf09521.htm?govDel=USNSF_25.

Contact: John Yellen, 703/292-8759 or jyellen@nsf.gov

3-23-09

Assembling the Tree of Life (ATOL)

Cross-Directorate

Currently, single investigators or small teams of researchers are studying the evolutionary pathways of heredity usually concentrating on taxonomic groups of modest size. Assembly of a framework phylogeny, or Tree of Life for all 1.7 million described species requires a greatly magnified effort, often involving large teams working across institutions and disciplines. NSF announces its intention to continue support of creative and innovative research that will resolve evolutionary relationships for large groups of organisms throughout the history of life. Investigators also will be supported for projects in data acquisition, analysis, algorithm development, and dissemination in computational phylogenetics and phyloinformatics. (NSF 09-522)

URL: <http://www.nsf.gov/pubs/2009/nsf09522/nsf09522.htm>.

Contact: Maureen Kearney, 703/292-7187 or mkearney@nsf.gov

3-27-09

George E. Brown, Jr. Network for Earthquake Engineering Simulation Research (NEESR)

Engineering

NSF invites proposals for research that uses the George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES) for (1) earthquake and tsunami loss reduction of our nation's civil infrastructure, and (2) new experimental simulation techniques and instrumentation for NEES. NEES equipment sites include shake tables, geotechnical centrifuges, a tsunami wave basin, unique large-scale testing laboratory facilities, and mobile and permanently installed field equipment. (NSF 09-524)

URL: <http://www.nsf.gov/pubs/2009/nsf09524/nsf09524.htm>.

Contact: Joy Pauschke, 703/292-7024 or jpauschk@nsf.gov

4-2-09

Foundations of Data and Visual Analytics (FODAVA)

Computer and Information Science and Engineering
Mathematical and Physical Sciences

NSF and the Department of Homeland Security invite research proposals whose outcomes will enable data stakeholders to detect the expected and discover the unexpected in massive data sets. Research outcomes will be applicable across broad application areas, establishing a solid scientific foundation for visual analytics systems of the future. Research in Data and Visual Analytics seeks to facilitate analytical reasoning through the use of interactive visual interfaces. Proposed activities

should emphasize novel data transformations, while also demonstrating research relevance to visual analytics systems by including a research component in areas such as, but not limited to, visualization, human-computer interaction, and cognitive psychology. (NSF 09-525)
URL: <http://www.nsf.gov/pubs/2009/nsf09525/nsf09525.htm>.
Contact: Lawrence Rosenblum, 703/292-8910 or Irosenbl@nsf.gov

4-7-09
RIDGE 2000
Geosciences

Ridge 2000 science objectives are encapsulated in the phrase "from mantle to microbe". This year, Ridge 2000 moves into its integration and synthesis phase, where results of its multi-disciplinary field expeditions, laboratory, and analytical studies, and modeling efforts are to be combined to provide a holistic and advanced, conceptual and quantitative understanding of Earth's mid-ocean ridge system. (NSF 09-527)
URL: <http://www.nsf.gov/pubs/2009/nsf09527/nsf09527.htm>.
Contact: David Garrison, 703/292-7588 or dgarrison@nsf.gov

4-28-09
CISE Pathways to Revitalized Undergraduate Computing Education (CPATH)
Computer and Information Science and Engineering

CPATH recognizes the growing importance of Computational Thinking (CT) in society, and aims to contribute to the development of a globally competitive U.S. workforce with CT competencies; to increase the number of students developing CT competencies by infusing CT learning opportunities into undergraduate education; and to demonstrate transformative CT-focused undergraduate education models that are replicable across a variety of institutions. (NSF 09-528)
URL: <http://nsf.gov/pubs/2009/nsf09528/nsf09528.html>.
Contact: Harriet Taylor, 703/292-8950 or htaylor@nsf.gov

5-11-09
CubeSat-based Science Missions for Space Weather and Atmospheric Research
Geosciences

NSF is soliciting research proposals centered on small satellite missions. The overarching goal is to support the development, construction, launch, operation, and data analysis of small satellite science missions to advance space weather and atmospheric research. It will also provide opportunities to train the next generation of experimental space scientists and aerospace engineers. (NSF 09-523)
URL: <http://www.nsf.gov/pubs/2009/nsf09523/nsf09523.htm>.
Contact: Therese Moretto Jorgensen, 703/292-8518 or tjorgens@nsf.gov

DEPARTMENT OF HEALTH & HUMAN SERVICES

12-22-08 Letter of Intent (*optional*)
1-22-09 Application
Innovation in Molecular Imaging Probes
Cross Institute

The purpose is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging

approaches developed through this initiative can focus on one (or both) of the following long-term goals: 1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and 2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. (PAR-09-016)
URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-016.html>.
Contact: Yantian Zhang, 301/402-1373 or y Zhang@mail.nih.gov

2-5-09
Research on the Cognitive Sequelae of Parkinson's Disease
Cross Institute

Applications are invited that address the underlying neurobiological mechanisms associated with cognitive impairment and mood disturbance in Parkinson's disease (PD), that address the development of clinical interventions and therapeutics for PD, or that promote improved clinical diagnosis or treatment of impairment in PD. The goal is to overcome barriers to cross-disciplinary and biobehavioral research and examine all aspects of cognition and affective regulation in PD. This FOA will utilize the R01 mechanism and runs in parallel with an FOA of identical scientific scope, PA-09-034, that encourages applications under the R21 grant mechanism and has its own deadline. (PA-09-033)
URL: <http://grants.nih.gov/grants/guide/pa-files/PA-09-033.html>.
Contact: Tijuana DeCoster, 301/496-9231 or decostert@mail.nih.gov

2-12-09
Academic Career Award
National Institute on Aging

The Academic Career Award provides support to increase the pool of individuals with academic and research expertise to become academic researchers and to enhance the educational or research capacity at the grantee sponsoring grantee institution. The program supports K07 Development awards for more junior level candidates and K07 Leadership awards for more senior individuals with acknowledged scientific expertise and leadership skills. (PA-09-041)
URL: <http://grants.nih.gov/grants/guide/pa-files/PA-09-041.html>.
Contact: Chyren Hunter, 301/496-9322 or hunterc@nia.nih.gov

2-12-09
Career Development Award to Promote Diversity in Neuroscience Research
National Institute of Neurological Disorders and Stroke

The purpose is to support an intensive, supervised career development and scientific mentoring experience for promising senior postdoctoral or junior investigators to obtain research independence. It is envisioned that this funding will bolster efforts to address underrepresented populations in neuroscience, and increase the total pool of well-trained researchers and health professionals who are competitively funded to conduct research. (PA-09-065)
URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-065.html>.
Contact: Michelle Jones-London, 301/496-3102 or jonesmiche@ninds.nih.gov

2-12-09

Mentored Quantitative Research Development Award
Cross Institute

The Mentored Quantitative Research Career Development Award aims to attract to NIH-relevant research those investigators whose quantitative science and engineering research has thus far not been focused primarily on questions of health and disease. The award will provide support and "protected time" for a period of supervised study and research for productive professionals with quantitative (e.g., mathematics, statistics, economics, computer science, imaging science, informatics, physics, chemistry) and engineering backgrounds to integrate their expertise with NIH-relevant research. (PA-09-039)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-09-039.html>.

Contact varies by Institute.

2-12-09

Mentored Research Scientist Development Award
Cross Institute

Mentored Research Scientist Development Awards provide support and "protected time" (three, four, or five years) for an intensive, supervised career development experience leading to research independence. All participating Institutes and Centers (ICs) use this mechanism to support career development experiences that lead to research independence, but some ICs use the award for individuals who propose to train in a new field or for individuals who have had a hiatus in their research career. Others utilize the award to increase research workforce diversity by providing research career development opportunities. (PA-09-040)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-09-040.html>.

Contact varies by Institute.

2-12-09

NIH Pathway to Independence Award
Cross Institute

The primary purpose of the program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm. (PA-09-036)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-09-036.html>.

Contact varies by Institute.

4-17-09 Letter of Intent (*optional*)

5-14-09 Application

New Methodologies for Natural Products Chemistry
Cross Institute

This initiative will support the development of new methodologies for natural products chemistry. The long-term goal is to reinvigorate the investigation of nature as a prolific source of bioactive small molecules with the potential to probe the roles of a wide range of proteins in cellular processes, and/or be developed into new drugs. (RFA-RM-09-005)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-005.html>.

Contact: John Schwab, 301/594-3827 or

schwabj@nigms.nih.gov

DEPARTMENT OF DEFENSE

2-3-09 White Paper

5-12-09 Full Proposal

Electronic Warfare Technology

Office of Naval Research

The goal of electronic warfare is to control the electromagnetic spectrum by exploiting, disrupting, or denying enemy use of the spectrum while ensuring its use by friendly forces. The primary emphasis of this BAA is on technologies to detect and defeat imaging infrared and multi-mode threats. Efforts should focus on development of technology and techniques to detect and/or counter advanced threat tracking systems, missiles, and other precision guided munitions. (BAA 09-014)

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

Contact: Peter Craig, peter.craig@navy.mil

2-16-09

Young Faculty Award

Defense Advanced Research Projects Agency, DARPA

The DARPA Young Faculty Award (YFA) program will identify and engage rising research stars in junior faculty positions in academia. The program will provide high-impact funding to these rising stars early in their careers in order to develop their research ideas in the context of DoD needs.

The long term goal is to develop the next generation of academic scientists, engineers, and mathematicians in key disciplines who will focus a significant portion of their career on DoD and national security issues. The UC Office of the President is providing guidance on security clearances and citizenship requirements. Please contact your Sponsored Projects team for information. (DARPA-RA-09-14)

URL: <http://www.darpa.mil/MTO/solicitations/ra09-14/index.html>.

Contact: RA09-14@darpa.mil

3-31-09

Research and Education Initiatives at the Naval Postgraduate School

Naval Postgraduate School

NPS is interested in receiving proposals for research and education initiatives which offer potential for advancement and improvement in the NPS core mission. The scope includes the spectrum of science and engineering, business and policy, operational and informational sciences, and interdisciplinary disciplines that support the NPS's graduate education and research mission. (NPS BAA-08-003)

URL:

<http://apply07.grants.gov/apply/opportunities/instructions/oppNPSBAA08-003-cfda12.300-cidNPSBAA08-003-instructions.pdf>.

Contact: Janet Dang, 562/626-7683 or janet.dang@navy.mil

OTHER FEDERAL AGENCIES

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

2-11-09 Notice of Intent

4-9-09 Full Proposal

Science Education and Public Outreach Forums Cooperative Agreement

Science Mission Directorate

Proposals are solicited for collaborations with the Science Mission Directorate to execute its Education and Public Outreach (E/PO) program. Four awards are anticipated for individual affiliations with Astrophysics, Earth Science, Heliophysics, and Planetary Science. Areas to be addressed include E/PO community engagement and development, division E/PO product and project activity analysis, and Science Education and Outreach Forum coordination committee service.

URL:

http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=172900/SEPOF%20CAN%202008_Final.pdf

Contact: Larry Cooper, 202/358-1531 or

larry.p.cooper@nasa.gov

U. S. DEPARTMENT OF EDUCATION

1-30-09

Grant Competition to Prevent High-Risk Drinking or Violent Behavior Among College Students

Office of Safe and Drug-Free Schools

The grant provides awards to develop or enhance, implement, and evaluate campus-and/or community-based strategies to prevent high-risk drinking or violent behavior among college students. Applicants are required to: 1) Identify a specific student population and provide justification; 2) Provide evidence that a needs assessment has been conducted on campus to document prevalence rates; 3) Set measurable goals and objectives and provide a description of how progress toward achievement will be measured; 4) Design and implement prevention strategies; 5) Use a qualified evaluator to design and implement an evaluation of the project using summative and formative measures; and 6) Demonstrate the ability to start the project within 60 days after receiving funding. (CFDA 84.184H)

URL: <http://edocket.access.gpo.gov/2008/pdf/E8-29656.pdf>

Contact: Amalia Cuervo, 202/245-7881 or

amalia.cuervo@ed.gov

2-23-09

College Assistance Migrant Program (CAMP)

Office of Elementary and Secondary Education

The purpose of CAMP is to provide academic and financial support to help migrant and seasonal farm-workers and their children complete their first year of college. (CFDA 84.149A)

URL: <http://edocket.access.gpo.gov/2008/pdf/E8-31025.pdf>

Contact: David De Soto, 202/260-8103 or

david.de.soto@ed.gov

2-23-09

Women's Educational Equity Act Program (WEEA)

Office of Innovation and Improvement

The purpose of the WEEA program is: (a) To promote gender equity in education in the U.S.; (b) to provide

financial assistance to enable educational agencies and institutions to meet the requirements of title IX; and (c) to promote equity in education for women and girls who suffer from multiple forms of discrimination based on sex, race, ethnic origin, limited English proficiency, disability, or age. (CFDA 84.083A)

URL: <http://edocket.access.gpo.gov/2009/pdf/E8-31226.pdf>

Contact: Beverly Farrar, 202/205-3145 or oiiweea@ed.gov

2-24-09

Partnerships in Character Education Program

Office of Safe and Drug-Free Schools

This opportunity supports programs to design and implement character education programs that can be integrated into classroom instruction and that are consistent with State academic content standards. Such programs may be carried out in conjunction with other educational reform efforts, and must take into consideration the views of the parents of the students to be taught under the program and the views of the students. (CFDA 84.215S)

URL: <http://edocket.access.gpo.gov/2008/pdf/E8-30388.pdf>

Contact: Sharon Burton, 202/245-7867 or

sharon.burton@ed.gov

U. S. DEPARTMENT OF ENERGY

3-3-09

20% Wind by 2030: Overcoming the Challenges

Golden Field Office

This opportunity addresses wind development technical challenges as well as market acceptance barriers. The six topic areas are turbine research, development and testing; market acceptance efforts; environmental research and siting strategies; transmission analysis, planning and assessments; workforce development; and distributed wind technology. Applicants may apply to more than one topic area provided they meet the eligibility requirements for each. (DE-PS36-09GO99009)

URL: [https://e-center.doe.gov/iips/faopor.nsf/UNID/C53C9A2E58F125848525753000066191/\\$file/FINAL_FOA_PMC113_1-FOA-Grants_Gov_with_M002.pdf](https://e-center.doe.gov/iips/faopor.nsf/UNID/C53C9A2E58F125848525753000066191/$file/FINAL_FOA_PMC113_1-FOA-Grants_Gov_with_M002.pdf)

Questions must be submitted through the DOE "Submit question" feature at <http://e-center.doe.gov>.

U. S. ENVIRONMENTAL PROTECTION AGENCY

2-2-09

National Network for Environmental Management Studies (NNEMS) Fellowship Program

Office of Children's Health Protection and Environmental Education

The purpose is to: provide students with practical research opportunities and experiences in EPA's program and regional offices and in its laboratories; increase public awareness of and involvement in environmental issues; encourage qualified individuals to pursue environmental careers; and help defray the costs associated with the pursuit of academic programs related to environmental protection, such as pollution control, science, engineering, technology, and social science. (CFDA No. 66.952)

URL:

<http://www.epa.gov/enviroed/NNEMS/pdf/solicitation2009.pdf>

Contact: Ginger Potter, 202/564-0443

U. S. DEPARTMENT OF AGRICULTURE

3-2-09

Microbial Genome Sequencing Program

USDA Cooperative State Research, Education and Extension Service
National Science Foundation

Proposals are invited (i) to support high-throughput sequencing of the genomes of microorganisms and the metagenomes of mixed microbial communities and (ii) to develop and implement strategies, tools, and technologies to make currently available and novel genome sequences more valuable to the user community. The sequences are expected to be available to and used by a community of investigators to address issues of scientific and societal importance. (USDA-CSREES-AFRI-001967)

URL: http://www.csrees.usda.gov/funding/microbial_genome_announcement.html.

Contact: Ann Lichens-Park, 202/401-6460 or apark@csrees.usda.gov

U.S. DEPARTMENT OF COMMERCE

2-6-09 Abbreviated Proposal (*required*)

5-8-09 Full Proposal (*invitation only*)

Precision Measurements Grants Program

National Institute of Standards and Technology

This program seeks proposals for significant research in the field of fundamental measurement or the determination of fundamental constants. Proposed projects may be for up to \$50,000 per year for three years. (2009-PMGP-01)

URL: <http://physics.nist.gov/ResOpp/grants/2009/frn.pdf>.

Contact: Christopher Hunton, 301/975-5718 or christopher.hunton@nist.gov

3-3-09

Hydrologic Research

National Weather Service
National Oceanic and Atmospheric Administration

The objective is to improve the general understanding of the science of river and flash flood forecasting, and how probabilistic information can be successfully transmitted and understood by emergency managers, water resource managers, and the public. The program is interested in proposals that demonstrate the use of in situ and remote sensing techniques for weather, hydrologic, and water resources observations; numerical weather and climate forecasts; and coupled surface and groundwater systems, to demonstrate how the combination of those could enhance hydrologic and water resource forecasts. (NWS-NWSPO-2009-2001614)

URL: <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&opId=44571>.

Contact: Pedro Restrepo, 301/713-0640 or pedro.restrepo@noaa.gov

NATIONAL ENDOWMENT FOR THE HUMANITIES

2-17-09 Draft Proposal (*optional*)

3-17-09 Final Proposal

Landmarks for American History and Culture: Workshops for School Teachers

Workshops for Community College Faculty
Division of Education Programs

The Landmarks program supports series of one-week residence-based workshops at universities and other venues for a national audience of K-12 or community college educators. Workshops use historic sites to address central themes and issues in American history, government, literature, art history, and other related subjects in the humanities. The goals are to provide instructors with expertise in the use and interpretation of historical sites and of material and archival resources, increase knowledge and appreciation of places significant to American history and culture, and encourage historical sites to develop greater capacity and scale for professional development programs. (CFDA 45.163)

URLs: <http://www.neh.gov/grants/guidelines/landmarks.html> and <http://www.neh.gov/grants/guidelines/landmarksc.html>.

Contact: 202/606-8463 or sem-inst@neh.gov

2-18-09

Institutes for Advanced Topics in the Digital Humanities Office of Digital Humanities

These grants support national or regional (multi-state) training programs for scholars and advanced graduate students to broaden and extend their knowledge of digital humanities. NEH seeks to increase the number of humanities scholars using digital technology in their research and broadly disseminate knowledge about advanced technology tools and methodologies relevant to the humanities. Projects may be a single opportunity or offered multiple times to different audiences. (CFDA 45.169)

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

Contact: odh@neh.gov

3-3-09

Summer Seminars and Institutes

Division of Education Programs

These grants support national faculty development programs in the humanities for school teachers and for college and university teachers. Seminars and institutes may be hosted by colleges, universities, school systems, learned societies, centers for advanced study, libraries or other repositories, and cultural or professional organizations. The host site must be appropriate for the project, providing facilities for scholarship and collegial interaction. (CFDA 45.163)

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

Contact: 202/606-8463 or sem-inst@neh.gov

4-8-09

Digital Humanities Start-Up Grants

Office of Digital Humanities

This program is designed to encourage innovations in the digital humanities. By awarding relatively small grants to support the planning stages, NEH aims to encourage the development of projects that are particularly innovative and promise to benefit the humanities. In an effort to foster new

collaborations and advance the role of cultural repositories in online teaching, learning, and research, this program is cosponsored by the Institute of Museum and Library Services (IMLS). (CFDA No. 45.169)

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

Contact: odh@neh.gov

NATIONAL ENDOWMENT FOR THE ARTS

2-20-09

International Literary Exchanges: Chinese and U.S. Contemporary Poetry Anthologies

National Endowment for the Arts

This initiative develops partnerships between the National Endowment for the Arts and foreign governments or their designees. The Endowment makes a commitment to fund the publication of an anthology of the work of writers of the foreign country, and the partner country commits to publishing a corresponding anthology of the work of United States writers. Each country pays the fees of its own editors and acquires the publication rights of its own writers. This solicitation supports a contemporary poetry exchange publication project with China. (NEAPS0902)

URL: <http://www.arts.gov/grants/apply/RFP/China.html>.

Contact: Pennie Ojeda, 202/682-5562 or ojeda@arts.gov

NATIONAL ARCHIVES & RECORDS ADMINISTRATION

4-1-09 Draft (*optional*)

6-5-09 Final

Digitizing Historical Records

National Historical Publications and Records Commission

The Commission seeks proposals that use cost-effective methods to digitize nationally significant historical record collections and make the digital versions freely available online. Projects must make use of existing holdings of historical repositories and consist of entire collections or series. The materials should already be available to the public at the archives and described so that projects can re-use existing information to serve as metadata for the digitized collection. (CFDA 89.003)

URL: <http://www.archives.gov/nhprc/announcement/digitizing.html?template=print>.

Contact: Lucy Barber, 202/357-5306 or lucy.barber@nara.gov

4-1-09 Draft (*optional*)

6-5-09 Final

Electronic Records Projects

National Historical Publications and Records Commission

This program seeks proposals that will increase the capacity of archival repositories to create electronic records archives that preserve records of enduring historical value. The NHPRC supports efforts by archivists and records managers to meet the challenges of electronic records. Projects must involve institutions that have already established archives and records management programs. Start-up or collaborative projects will be considered. (CFDA 89.003)

URL: <http://www.archives.gov/nhprc/announcement/electronic.html?template=print>.

Contact: Lucy Barber, 202/357-5306 or lucy.barber@nara.gov

4-1-09 Draft (*optional*)

6-5-09 Final

Publishing Historical Records

National Historical Publications and Records Commission

Proposals are sought to publish historical records of national significance. Projects may focus on the papers of major figures from American life or cover broad historical movements in politics, military, business, reform movements, the arts, and other aspects of the national experience. The historical value of the records and their expected usefulness to broad audiences must justify the costs of the project. Grants are awarded for collecting, describing, preserving, compiling, editing, and publishing documentary source materials. (CFDA 89.003)

URL:

<http://www.archives.gov/nhprc/announcement/publishing.html?template=print>.

Contact: Timothy Connelly, 202/357-5301 or

timothy.connelly@nara.gov

JAPAN-U.S. FRIENDSHIP COMMISSION

3-3-09

The Arts

Japan-United States Friendship Commission

The Commission believes that the arts are at the heart of a people's creative genius and, until further notice, it will give priority to sending American visual and performing arts to Japan, especially to venues outside Tokyo. The Commission has established the following categories: Creative Artists Exchange Fellowship Program; performing arts exchanges; exhibition and visual arts exchanges; and infrastructure support for arts exchanges. Under the Creative Artists Exchange Fellowship Program the Commission and the National Endowment for the Arts jointly select five leading contemporary and traditional artists from the U.S. spend six months in Japan.

URL:

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

Contact: 202/653-9800 or jusfc@jusfc.gov

3-3-09

Japanese Studies in the United States

Japan-United States Friendship Commission

The Commission believes that American public understanding of Japan requires the development and strengthening of the next generation of American area specialists on Japan, and therefore devotes a portion of its budget to Japanese studies in American higher education. The Commission provides support for scholarly research in Japanese studies through grants to academic associations that can organize peer review panels to review and select individual research project proposals for support with Commission funds. The Commission will also consider on a case-by-case basis support for group research, conference and workshop projects dealing with topics ranging from policy issues to cultural affairs.

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

Contact: 202/653-9800 or jusfc@jusfc.gov

3-3-09

The Study of the United States in Japan
Japan-United States Friendship Commission

The Commission has committed itself to the development of both institutional and individual expertise in the Japanese academic community in the study of the U.S., and will consider support in the following project areas: exchanges between academic organizations in the two countries, research projects on the study of the U.S., research center development, faculty development, curriculum development, and conferences and seminars. The Commission will consider research projects that investigate the study of the United State itself, particularly on how the Japanese acquire basic knowledge about the U.S. – its politics, society and economy – through both formal and informal channels, such as classroom instruction or the popular media, and how to increase that knowledge and its accuracy.
URL: <http://www.jusfc.gov/currentprogramguidelines.asp?name=study>.
Contact: 202/653-9800 or jusfc@jusfc.gov

PRIVATE/NONPROFIT AGENCIES

2-28-09 and 8-31-09

Grant Programs

Engineering Information Foundation

EIF grants of \$5,000 to \$25,000 support developmental projects, instructional projects, and training programs in engineering education and research that fit their program areas, which include availability and use of Information; women in engineering, and developing countries. The Foundation favors innovative projects, with measurable results; projects that promote significant and lasting change; projects that can be successfully replicated elsewhere; and methodologies that are specific, well-defined and cost-effective
Requests for multi-year grants are discouraged.
URL: <http://www.eifgrants.org/info/index.html>.
Contact: 212/579-7596 or info@eifgrants.org

3-2-09

Science of Virtues

University of Chicago, Arete Initiative

The new multidisciplinary research initiative supports highly original, scholarly projects that demonstrate promise of a distinctive contribution to virtue research and have the potential to begin a new field of interdisciplinary study. This RFP hopes to encourage the most creative new scholarship on virtues in fields including anthropology, biological sciences, cinema and media, classics, communication, economics, education, engineering, history, linguistics, mathematics, neuroscience, philosophy, physics, religious studies, and sociology. The central question is: In what ways might the humanities and the sciences cooperate to develop richer understandings of virtue for modern societies? About 20 two-year grants will be awarded ranging from \$50,000 to \$300,000.
URL: <http://www.scienceofvirtues.org/index.html>.
Contact: Brenda Huskey, 773/834-3475 or virtues@uchicago.edu

3-2-09

Short-term Fellowships

Newberry Library

The Newberry Library offers 11 short-term fellowships, which are generally restricted to post-doctoral scholars, Ph.D. candidates, or holders of other terminal degrees from outside of the Chicago area who have a specific need for Newberry collections. The tenure varies from one week to two months, and awards are generally \$1600 per month, pro-rated for shorter periods.

URL: <http://www.newberry.org/research/felshp/short-term.html>.
Contact: 312/255-3666 or research@newberry.org

3-2-09

Travel Funds for Research on Music

American Musicological Society

The Harold Powers World Travel Fund assists Ph.D. candidates, post-docs, and junior faculty in all fields of musical scholarship to travel anywhere in the world to carry out work for their dissertation or other research. The Eugene K. Wolf Travel Fund for European Research assists Ph. D. candidates conducting research in Europe, and the M. Elizabeth C. Bartlet Fund for Research in France is intended for musicological research in France.

URL: <http://www.ams-net.org/awards/>
Contact: 207/798-4243 or ams@ams-net.org

3-17-09

Research Awards

James S. McDonnell Foundation

Research Awards are designed to support research projects with a high probability of generating new knowledge and insights. Projects should be at an early, even preliminary stage of development, and should be intended to break new ground or to challenge commonly-held assumptions. Projects should be sufficiently novel, cross-disciplinary, or heterodox so that they have a strong likelihood of influencing the development of new ways of thinking about important problems. All projects must qualify for one of two program areas: Studying Complex Systems and Brain Cancer Research.

URL: <http://www.jsmf.org/apply/research/index.htm>.
Contact: <http://www.jsmf.org/about/contact.htm>

3-28-09

Petroleum Research Fund, New Directions Grants

American Chemical Society

New Directions aims to stimulate a *new direction* of research for established faculty, and to support the careers of their student scientists and engineers. The proposed research should not be in the same direction as or overlap with current projects in the lead PI's research group. About 100 two-year grants will be made, each in the amount of \$100,000. Fundamental research is required as opposed to applied research or methods development.

URL: http://portal.acs.org/portal/acs/corg/content?_nfpb=true&_pageLabel=PP_TRANSITIONMAIN&node_id=1262&use_sec=false&sec_url_var=region1&_uuiid=5276ac4f-75fc-4e1c-869f-8df658f9abcc.

Contact: Robert Botto, 202/872-6186 or r_botto@acs.org

4-1-09

Arthur H. Cole Grants in Aid
Economic History Association

Arthur H. Cole grants-in-aid support research in economic history, regardless of time period or geographic area. Awards typically are in amounts up to \$2,500. Applicants must be members of the Association and must hold the Ph.D. degree. Preference is given to recent Ph.D. recipients.
URL: <http://eh.net/eha/grants>.
Contact: Anne McCants, amccants@mit.edu

Ongoing

Collaborative Activity Awards
James S. McDonnell Foundation

Collaborative Activity Awards are offered to initiate interdisciplinary discussions on problems or issues, to help launch interdisciplinary research networks, or to fund communities of researchers/practitioners dedicated to developing new methods, tools, and applications of basic research to applied problems. The focus of the activity must meet the program guidelines for one of the following program areas: Studying Complex Systems, Brain Cancer Research, and Understanding Human Cognition.
URL: <http://www.jsmf.org/apply/collaborative/index.htm>.
Contact: collaborative@jsmf.org

4-30-09 and 10-31-09

TransCoop Programme
Alexander von Humboldt Foundation

This program provides funds for cooperative research between German, U.S., and/or Canadian scholars in the fields of the humanities, social sciences, law, and economics. Scientific questions, including any from engineering or life sciences, may be considered providing the subject of the proposed research is convincingly related to the humanities or social sciences. Matching funds are required from U.S. and/or Canadian sources.
URL: <http://www.humboldt-foundation.de/web/8175.html>.
Contact: +49 (0) 228-833-212 or info@avh.de

5-1-09 and 11-1-09

Dissertation Fieldwork Grants
Wenner-Gren Foundation

The Foundation supports research that demonstrates a clear link to anthropological theory and debates, and promises to make a solid contribution to advancing these ideas. There is no preference for any methodology, research location, or subfield. The Foundation particularly welcomes proposals that employ a comparative perspective, can generate innovative approaches or ideas, and/or integrate two or more subfields. Dissertation Fieldwork Grants provide a maximum of US \$15,000 and are non-renewable.
URL: http://www.wennergren.org/programs/programs_show.htm?doc_id=367834&attrib_id=13232.
Contact: 212/683-5000 or inquiries@wennergren.org

Deadlines vary by program.

Grants and Fellowships
Wenner-Gren Foundation

The Foundation's programs support research that demonstrates a clear link to anthropological theory and

debates, and promises to make a solid contribution to advancing these ideas. There is no preference for any methodology, research location, or subfield. Programs include grants for doctoral students and post doctoral scholars; non-U.S. scholars, conferences and workshops, and historical archives.

URL: http://www.wennergren.org/programs/programs_show.htm?doc_id=367834&attrib_id=13232.
Contact: 212/683-5000 or inquiries@wennergren.org



Contract and Grant Awards

Office of Research, University of California, Santa Barbara

October 2008

- Banerjee, K., Electrical & Computer Engineering, \$7,792, UC MICRO, "Interconnect Modeling and Extraction for Ultra-High Frequency Applications."
- Banerjee, K., Electrical & Computer Engineering, \$30,000, Intel Corporation, "A Framework for Robust Design of Emerging Nanometer Scale VLSI under Parameter Variations."
- Banerjee, K., Electrical & Computer Engineering, \$3,896, UC MICRO, "A Framework for Robust Design of Emerging Nanometer Scale VLSI Under Parameter Variations."
- Bazan, G.C. (Chemistry & Biochemistry), Institute For Collaborative Biotechnologies, \$30,000, Air Force, "Optical Approaches for Drug Screening Based Light-Harvesting Conjugated Polyelectrolyte."
- Belkin, A. (Political Science), Institute for Social, Behavioral, & Economic Research, \$60,000, Arcus Foundation, "Gays and Lesbians in the Military."
- Blumenthal, D.J., Electrical & Computer Engineering, \$20,553, University of Rochester, "Slow Light Using Patterned Metal Structures on Semiconductor Waveguides."
- Bowers, J.E., Electrical & Computer Engineering, \$74,996, Hewlett Packard, "High-Speed, Low-Threshold Hybrid Silicon Evanescent Ring Resonator Lasers."
- Branigan, E. (Film Studies), Interdisciplinary Humanities Center, \$60,000, American Council of Learned Societies, "ACLS Fellowship: Color in Cinema: Language, Memory, Commerce."
- Caselle, J.E., Marine Science Institute, \$34,226, National Oceanic and Atmospheric Administration, "Maintenance of PISCO-CINMS Moorings in the Channel Islands National Marine Sanctuary."
- Cheng, K., Electrical & Computer Engineering, \$9,815, UC MICRO, "Digitally-Assisted Validation and Production Testing for Advanced Analog/RF Circuits."
- Clarke, D.R., Levi, C.G., Materials, \$900,000, Honeywell, Inc., "Honeywell-UCSB Thermal Barrier Coating Alliance."
- Coldren, L.A., Electrical & Computer Engineering, \$9,775, UC MICRO, "High-Speed, High-Efficiency Sources for Active Cables."
- Davis, F.W. (Donald Bren School of Environmental Science & Management), Institute for Computational Earth System Science, \$143,350, US National Park Service, "Preparing of Natural Resource Condition Assessment for Santa Monica Mountains NRA, Pinnacles NM, and John Muir NHS."
- Dozier, J.C. (Donald Bren School of Environmental Science & Management), Institute for Computational Earth System Science, \$10,000, Department of Agriculture, "Using a Modeling System to Extend Hydrologic Parameters and Processes From Experimental Watersheds to Larger Regions Within Mountainous Regions of the Western US."
- Eckstein, M.P., Psychology, \$297,000, National Science Foundation, "Predictive Cues During Multiple Fixation Search."
- Fredrickson, G.H. (Chemical Engineering), Materials Research Laboratory, \$30,000, Sandia National Laboratories, "Field Theoretic Simulations of Mixed Polymer Brushes."
- Gossard, A.C., Petroff, P.M., Materials, \$80,000, Harvard University, "Science of Nanoscale Systems and Their Device Applications."
- Han, S., Chemistry & Biochemistry, \$875,000, David and Lucile Packard Foundation, "Packard Fellowship: New Spectroscopy Approaches to Protein Function in Assemblies."
- Hechinger, R.F., Kuris, A.M. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$76,763, US Geological Survey, "Status and Potential Distribution of the Invasive New Zealand Mudsnail Aboard Marine Corps Base Camp Pendleton."
- Heeger, A.J. (Physics), Institute for Collaborative Biotechnologies, \$250,001, BAE Systems, "Toward Flexible Solar Panels With Efficiencies Greater Than 10%."

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- Herbst, D.B., Marine Science Institute, \$100,000, US Forest Service, "Monitoring Of Sentinel Aquatic Management Indicator Species Sites to Account for the Influence of Global Climate Change on Stream Reference Condition."
 - Holden, P.A. (Donald Bren School of Environmental Science & Management), Institute for Computational Earth System Science, \$67,375, UC Riverside, "Fate, Persistence, and Source Identification of Pathogens, Pathogen Indicator Bacteria, and Human Specific Markers in Coastal Beach and Wetland Sediments of Southern California."
 - Holden, P.A. (Donald Bren School of Environmental Science & Management), Institute for Computational Earth System Science, \$340,000, City of Santa Barbara, "Microbial Source Tracking Protocol Development."
 - Hu, E.L. (Electrical & Computer Engineering), Kramer, L., California NanoSystems Institute, \$15,000, Burnham Institute, "Developing Novel Technologies to Diagnose and Treat Diseases of the Heart and Lungs."
 - Husak, G.J., Michaelsen, J.C., Geography, \$4,084,833, US Geological Survey, "Monitoring and Forecasting Climate, Water and Land Use for Food Production in the Developing World."
 - Jellison, R.S., Melack, J.M. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$100,000, Los Angeles Department of Water and Power, "Monitoring of Limnology and Plankton in Mono Lake."
 - Jordan, M.A., Wilson, L. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, \$338,000, Bristol-Myers Squibb Company, "Mechanism of Action of Ixabepilone."
 - Lee, H., Iltis, R.A., Electrical & Computer Engineering, \$200,000, Naval Postgraduate School, "High-Performance Sensor and Sensing Technology, III-C."
 - Leifer, I.S., Marine Science Institute, \$7,984, Applied Science Associates, Inc., "A Literature Review Of Seep Research."
 - Love, M.S., Marine Science Institute, \$32,236, US Geological Survey, "Comparison of Levels and Profiles of Polycyclic Aromatic Hydrocarbon Metabolites in Bile of Fishes from Off-Shore Oil Platforms and Natural Reefs Along the California Coast."
 - Love, M.S., Marine Science Institute, \$297,509, US Geological Survey, "Arctic Marine Fish Ecology Catalog."
 - Marek-Sadowska, M., Electrical & Computer Engineering, \$5,950, UC MICRO, "Modeling, Testing, and Diagnosing of Deep-Submicron Defects."
 - Marek-Sadowska, M., Electrical & Computer Engineering, \$2,550, UC MICRO, "Research on Physical Synthesis."
 - Morse, D.E. (Molecular, Cellular & Developmental Biology), Institute for Collaborative Biotechnologies, \$400,000, Army, "Bio-Inspired Dynamically Tunable Polymer-Based Filters for Multi-Spectral Infrared Imaging."
 - Morse, D.E. (Molecular, Cellular & Developmental Biology), Institute for Collaborative Biotechnologies, \$20,000, Air Force, "Proposal for Conference/Symposium/Workshop Support from ITC-PAC."
 - Ostwald, T., Chemistry & Biochemistry, \$48,000, UC Office of the President, "CSMP-NCLB5 (2008-2009)."
 - Pennathur, S., Mechanical Engineering, \$125,000, Charles Stark Draper Laboratory, Inc., "Nanofluidic Technology for Influenza Separation and Detection."
 - Polchinski, J.G., Sugar, R., Physics, \$2,250,000, National Science Foundation, "Problems in Theoretical Physics."
 - Rice, W.R. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$136,350, University of Washington, "Drosophila Seminal Fluid: Proteomic Discovery and Functional Variation Analyses."
 - Roberts, D., Geography, \$50,000, Naval Postgraduate School, "Mapping Urban Materials Using Imaging Spectrometry and Multi-Return Lidar."
 - Rodwell, M.J., Electrical & Computer Engineering, \$450,000, Teledyne, "High Frequency Integrated Vacuum Electronics."
 - Rose, K., Gibson, J.D., Electrical & Computer Engineering, \$19,550, UC MICRO, "Efficient Compression and Processing of Audio and Video Signals."
 - Rothman, J.H. (Molecular, Cellular & Developmental Biology), Joshi, P.M., Neuroscience Research Institute, \$1,258,365, National Cancer Institute, "Modulation of Cell Proliferation in *C. elegans*."
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- Rumberger, R.W. (Gevirtz Graduate School of Education), Gevirtz Graduate School of Education Research Office, \$30,000, Walter S. Johnson Foundation, "California Dropout Research Project Follow-Up Activities (Walter S. Johnson)."
 - Rumberger, R.W. (Gevirtz Graduate School of Education), Gevirtz Graduate School of Education Research Office, \$70,000, James Irvine Foundation, "California Dropout Research Project Follow-Up Activities (Irvine)."
 - Sherman, D.A., Psychology, \$10,000, UC ACCORD All Campus Collaborative on Research for Diversity, "Undermining the Effects of Stereotype Threat on Student Performance: A Self-Affirmation Intervention."
 - Shynk, J.J., Electrical & Computer Engineering, \$35,000, Applied Signal Technology, Inc. "Adaptive Receiver Algorithms For Co-channel Signal Separation and Detection."
 - Shynk, J.J., Electrical & Computer Engineering, \$5,950, UC MICRO, "Adaptive Receiver Algorithms for Co-channel Signal Separation and Detection."
 - Speck, J.S., Materials, \$733,000, Air Force, "Development of Advanced III-Nitride Materials."
 - Tao, A., Morse, D.E. (Molecular, Cellular & Developmental Biology), Institute for Collaborative Biotechnologies, \$45,000, UC Office of the President, "Biomimicry of Cephalopod Skin to Construct Tunable Photonic Nanostructures."
 - Thorsch, J.A. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$33,572, California State Library, "The Katherine Esau Digital Archive of Plant Anatomy."
 - Turk, M.A. (Computer Science), Hu, E.L. (Electrical & Computer Engineering), California NanoSystems Institute, \$500,000, National Science Foundation, "MRI: Development of the Allosphere, an Immersive Instrument for Scientific Exploration."
 - Valentine, D.L. (Earth Science), Marine Science Institute, \$562,584, Department of Energy, "Assessing the Efficacy of the Aerobic Methanotrophic Biofilter in Methane Hydrate Environments."
 - Wang, L.C., Electrical & Computer Engineering, \$3,896, UC MICRO, "Applying Data Mining Techniques in Analog Design: Tools and Methodologies."
 - Weissglass, J. (Gevirtz Graduate School of Education), Gevirtz Graduate School of Education Research Office, \$26,000, UC Office of the President, "Tri-County Mathematics Project 07-09 *NCLB."
 - Wudl, F. (Chemistry & Biochemistry), Heeger, A.J. (Physics), Center for Polymers & Organic Solids, \$510,116, Cbrite Inc., "Hemispherical Array Detector for Imaging (Hardi)."



Contract and Grant Awards

Office of Research, University of California, Santa Barbara

November 2008

- Airame, S., Gaines, S. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$29,613, Resources Legacy Fund Foundation, "Communicating The First Five Years of Monitoring Channel Islands Marine Protected Areas."
- Awschalom, D.D. (Physics), California NanoSystems Institute, \$1,250,000, Cornell University, "Electrical Control of Magnetic Dynamics in Hybrid Metal-Semiconductor Systems."
- Awschalom, D.D. (Physics), California NanoSystems Institute, \$75,000, University of Virginia, "Coherent Spin Dynamics in Single Ion Doped Semiconductors: Towards a Coherent or Quantum Spin Switch."
- Belkin, A. (Political Science), Institute for Social, Behavioral, & Economic Research, \$15,000, Small Change Foundation, "Gays and Lesbians in the Military."
- Blau, S.D. (Gevirtz Graduate School of Education), Gevirtz Graduate School of Education Research Office, \$82,510, UC California Writing Project, "South Coast Writing Project."
- Briggs, C.J. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$9,999, SRS Technologies, "Detection and Quantification of *Batrachochytrium dendrobatidis* in Amphibians at Vandenberg Air Force Base."
- Cabezon, J. (Religious Studies), Interdisciplinary Humanities Center, \$30,000, Shelley and Donald Rubin Foundation, "Enhancing Undergraduate Tibetan-Himalayan Undergraduate Studies at UC Santa Barbara: Rubin Foundation Grant, Year 2 (2008-2009)."
- Chmelka, B.F., Chemical Engineering, \$95,000, Amberwave Systems Corporation, "Fundamental Research and Engineering of Mesoporous and Nanocomposite Materials for Energy Generation, Conversion and Storage."
- Colbert, D. (Electrical & Computer Engineering), Donald Bren School of Environmental Science & Management, \$15,000, UC Discovery Grant-Multidisciplinary Research, "International Seminar on Energy and Resource Productivity."
- Comanor, W.S. (Economics), Institute for Social, Behavioral, & Economic Research, \$38,672, UC Los Angeles, "Developing a World-Wide Fair Drug Pricing Program for Pharmaceuticals."
- Dudley, T.L., Kuris, A.M. (Ecology, Evolution & Marine Biology), Marine Science Institute, \$118,627, UC Sea Grant College Program, "Development of Biological Control for the New Zealand Mud Snail."
- Goulias, K.G., Geography, \$39,936, UC Transportation Center (Berkeley), "Group Behavioral Process Identification in the Interaction Between Location Choice and Travel Behavior."
- Herbst, D.B., Marine Science Institute, \$18,270, Kern Community Foundation, "Aquatic Restoration in Upper Kern River of Sequoia National Park."
- Kaminsky, I.D., Downing, E., Student Health Service, \$299,882, Department of Education, "Preventing High-Risk Drinking Among First-Year Students Through UCSB's College Alcohol and Substance Education Program."
- Keller, A.A., Holden, P.A. (Donald Bren School of Environmental Science & Management), Institute for Computational Earth System Science, \$7,076,282, UC Los Angeles, "CEIN-Predictive Toxicological Assessment and Safe Implementation of Nanotechnology in the Environment."
- Leifer, I.S., Marine Science Institute, \$61,159, Texas A&M University, "Remote Sensing and Sea-Truth Measurements of Methane Flux to the Atmosphere from Near-Surface Gas Hydrates in Continental Margins."
- Madhow, U., Rodwell, M.J., Electrical & Computer Engineering, \$500,000, National Science Foundation, "XPLR: Multi-Gigabit Millimeter Wave Mesh Networks: Cross-Layer Design and Experimental Validation."
- Marin-Spiotta, E., Chadwick, O.A., Geography, \$5,000, National Science Foundation, "Sources and Fate of Dissolved Organic Matter in Wet Tropical Forest Volcanic Soils."

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- Marston, J.R. (Geography), Institute for Social, Behavioral, & Economic Research, \$51,019, Smith-Kettlewell Eye Research Institute, "Fundamental Issues in Wayfinding Technology."
 - Meinhold, P.R., Physics, \$1,308,102, Jet Propulsion Laboratory, "Remote and On-Site Support for LFI Integration and Test, US Planck Internal Advisory Board and Planck Data Analysis 2005."
 - Odette, G.R. (Mechanical Engineering), Chemical Engineering, \$40,000, Battelle Memorial Institute, "Characterization of the Microstructures and Mechanical Properties of Advanced Structural Alloys for Radiation Service: A Comprehensive Library of ATR Irradiated Alloys and Specimens."
 - Rodwell, M.J., Palmstrom, C., Electrical & Computer Engineering, \$540,000, Navy, "In Situ and Coherent Metal-Semiconductor Interfaces by MBE."
 - Spaldin, N.A., Materials, \$300,000, Penn State University, "MRSEC: Center for Nanoscale Science."
 - Wang, L., Electrical & Computer Engineering, \$25,000, Intel Corporation, "Design-Silicon Timing Correlation: Methods and Applications."
 - Wang, L., Electrical & Computer Engineering, \$7,792, UC MICRO, "Design-Silicon Timing Correlation: Methods and Applications."
 - Wilkinson, R.C., Donald Bren School of Environmental Science & Management, \$33,000, UC California Institute for Energy Efficiency, "Embedded Energy in Water Studies RFP No. Cp1-007-08."

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