November 1, 2008 Research Funding Opportunities
A listing of research and educational funding for the academic community

Office of Proposal Development
Division of Research & Graduate Studies
Texas A&M University
Hotlink to SUBSCRIBE or UNSUBSCRIBE:  MikeCronan@tamu.edu

Research Development & Grant Writing Resources
OPD’s monthly E-newsletter
If you don’t write grants, you won’t get any...
OPD recommended grant writing resources to enhance the competitiveness of research and educational proposals to federal agencies & foundations.
“Don’t reinvent the flat tire…” an NSF Program Officer’s comment on why background information is important to successful grant writing.

Grant Writing Resources (CTRL+Click)
- Grant Writing Resources
- New Agency Alerts, Reports
- New Web Resources
- Junior Faculty
- Grad Students/ Post Doc
- NSF
- NIH
- Open Solicitations
- Resources for Writing the Upcoming NSF GRF; NSF MRI;
- New OPD Seminars

Grant Funding (CTRL+Click)
Due Date by Month
November
December
January
February
March & Later

Grant Writing Articles (CTRL+Click #)
1. Evolving Proposal Narrative
2. Proposal Introduction
3. OPD “Quick Tips” on Grants
4. Why Read Abstracts
5. Know the Research Context
6. Obtaining DoD Funding
7. NSF Tips

By Mike Cronan & Lucy Deckard
[Topic Suggestions Welcome]

OPD-Web (http://opd.tamu.edu/)
a resource for the development and writing of research and educational proposals to federal agencies and foundations
New funding opportunities are posted to OPD-Web daily and clustered by week
http://opd.tamu.edu/funding-opportunities

Subscribe to OPD-Web Research Funding Opportunities RSS Feeds
http://opd.tamu.edu/funding-opportunities/subscribe-to-rss-feeds-for-discipline-specific-funding-opportunities
OPD-Web Content Manager: L-Deckard@tamu.edu

What’s New in Federal Research Budget: R&D Budget & Policy Updates
http://www.aaas.org/spp/rd/new.htm
http://www.aaas.org/spp/rd/fy09.htm
by Kei Koizumi, Director, R&D Budget and Policy Program

OPD Research Funding Opportunities Newsletter, November 2008, Page 1/59 (MikeCronan@tamu.edu)
<table>
<thead>
<tr>
<th>Grants.gov Tips &amp; Resources From Grantors</th>
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<tr>
<td><a href="http://www.grants.gov/applicants/tips_resources_from_grantors.jsp#9">http://www.grants.gov/applicants/tips_resources_from_grantors.jsp#9</a></td>
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26 Federal Agencies and their grant resources

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<th>Grant Writing Resources (Top)</th>
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<td>NCES Announces Datalab</td>
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Datalab, a new website from the **National Center for Education Statistics**, offers a wide range of survey data collected by NCES. Users can find a quick number or in-depth education data. The site will continue to add information and features over time.

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<th>Don't Overlook Contracts</th>
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Karen M. Markin is director of research development at the University of Rhode Island's research office.

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<tr>
<th>USDA &amp; DOE Release National Biofuels Action Plan</th>
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Department of Agriculture Secretary Ed Schafer and Department of Energy Secretary Samuel W. Bodman released the National Biofuels Action Plan (NBAP) October 7, an interagency plan detailing the collaborative efforts of Federal agencies to accelerate the development of a sustainable biofuels industry.

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<th>International Cooperative Biodiversity Groups Program</th>
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<th>NOAA Launches New Education Web Site, Estuaries Curriculum</th>
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Estuaries 101, the new on-line science curriculum from NOAA’s National Estuarine Research Reserve System, provides powerful ways for students to learn fundamental concepts in science and develop scientific thinking skills, as well as explore the nation’s biologically rich and economically important estuaries.

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<tr>
<th>National Estuarine Research Reserve System Strategic Plan 2005 - 2010</th>
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<tr>
<td><a href="http://nerrs.noaa.gov/Background_StrategicPlan.html">http://nerrs.noaa.gov/Background_StrategicPlan.html</a></td>
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<th>Advisory Committee on Water Information Sustainable Water Resources Roundtable</th>
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Serve as a forum to share information and perspectives that will promote better decision making in the U.S. regarding the sustainable development of our nation's water resources.

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<td><strong><a href="http://www.fda.gov/Cber/genetherapy/invitro120607fh.pdf">http://www.fda.gov/Cber/genetherapy/invitro120607fh.pdf</a></strong></td>
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<tr>
<td>AAUW to Launch Major STEM Study with Funding from NSF <a href="http://www.aauw.org/About/newsroom/pressreleases/NSF_101608.cfm">http://www.aauw.org/About/newsroom/pressreleases/NSF_101608.cfm</a></td>
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| **Do This, Don't Do That: How to Get Your Proposal Funded** [http://www.guidestar.org/news/features/do_this.jsp](http://www.guidestar.org/news/features/do_this.jsp) 
Excerpt from "Thank You for Submitting Your Proposal": A Foundation Director Reveals What Happens Next |
| **Research Funding Opportunities in the Humanities** The Melbern G. Glasscock Center for Humanities Research Texas A&M University [http://glasscockcenter.blogspot.com/](http://glasscockcenter.blogspot.com/) (funding blog) [http://glasscock.tamu.edu/](http://glasscock.tamu.edu/) |
| **Fellowships/Grants for Faculty in Humanities & Social Sciences** [http://www.vanderbilt.edu/cas/supportservices/grantopportunities/faculty/grantsfortravel.php](http://www.vanderbilt.edu/cas/supportservices/grantopportunities/faculty/grantsfortravel.php) 
College of Arts and Sciences, Vanderbilt University |
| **Smithsonian Opportunities for Research and Study 2008-2009** [http://www.si.edu/ofg/fell.htm](http://www.si.edu/ofg/fell.htm) 
Various due dates in 2009 
Smithsonian Institution Fellowship Program 
Smithsonian Institution Latino Studies Fellowship Program 
Smithsonian Institution Molecular Evolution Fellowship Program 
Minority Internship Program 
James E. Webb Internship Program 
Native American Awards Program 
Other fellowships in the natural sciences, social sciences, and humanities. |
| **National Endowment for Humanities Strategic Plan** Fiscal Year 2007 - Fiscal Year 2012 [http://www.neh.gov/whoweare/strategicplan.html](http://www.neh.gov/whoweare/strategicplan.html) |
| **National Endowment for the Arts** Strategic Plan: FY 2006 - 2011 [http://www.nea.gov/about/Budget/StrategicPlanFY06-11.pdf](http://www.nea.gov/about/Budget/StrategicPlanFY06-11.pdf) |
See due dates specific to program. The Woodrow Wilson International Center for Scholars supports research in the social sciences and humanities. Men and women... |
from a wide variety of backgrounds, including government, the non-profit sector, the corporate world, and the professions, as well as academia, are eligible for appointment. Through an international competition, it offers 9-month residential fellowships to academics, public officials, journalists, and business professionals. Fellows conduct research and write in their areas of interest, while interacting with policymakers in Washington and Wilson Center staff. The Center also hosts Public Policy Scholars and Senior Scholars who conduct research and write in a variety of disciplines. In addition to the Wilson Center Fellowships Program, several of our regional programs have their own grant competitions (Africa, Asia, Canada, East Europe, Southeast Europe, Russia).

**Small Grants Program in Behavioral Economics**
http://www.russellsage.org/programs/other/behavioral/smallgrants/
Continuous submission: The Russell Sage Behavioral Economics Roundtable supports a small grants research program to support high quality research in behavioral economics and to encourage young investigators to enter this developing field. There are no limitations on the disciplinary background of the principal investigator, and the proposed research may address any economic topic. Interdisciplinary efforts are welcome. Appropriate projects will demonstrate explicit use of psychological concepts in the motivation of the design and the preparation of the results.

**Department of Energy - Used Energy-Related Laboratory Equipment (ERLE) Grant Program**
http://erle.osti.gov/erle/
The ERLE Equipment List is continuously updated:
http://erle.osti.gov/erle/equipmentList.asp
The Used Energy-Related Laboratory Equipment (ERLE) Grant Program was established by the United States Department of Energy (DOE) to grant available excess of used energy-related laboratory equipment to universities and colleges and other nonprofit educational institutions of higher learning in the United States for use in energy oriented educational programs. The costs of care and handling incident to the grant must be borne by the requesting institution. Such costs normally consist of packing, crating, shipping, and insurance, and are limited to actual costs. Arrangements for shipment and the reimbursement of any of the aforementioned actual costs should be coordinated between the institution and each of the DOE facilities responsible for the equipment. These arrangements should be initiated by the requesting institution within one week after receipt and acceptance of the grant by the institution. The cost of any repairs and/or modifications to any equipment will be borne by the recipient institution.

**Department of Energy - National Energy Technology Laboratory Request for Unsolicited Proposals**
http://www.netl.doe.gov/business/usp/unsol.html
NETL encourages organizations and individuals to submit self-generated, unsolicited proposals that are relevant to NETL’s research and development mission. An unsolicited proposal is an application for support of an idea, method, or approach, which is submitted by an individual, business, and organization solely on the proposer's initiative, rather than in response to a
NETL solicitation. Funding of unsolicited proposals is considered a noncompetitive action. NETL considers proposals in all areas of energy and energy-related research and development with emphasis on long-term, high-risk, high-payoff technologies. NETL may accept an unsolicited proposal if it: Demonstrates a unique and innovative concept or a unique capability of the submitter; Offers a concept or service not otherwise available to the Federal government; Does not resemble the substance of a pending competitive solicitation.

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<td><strong>Overview, Programs for Junior Faculty by OPD</strong></td>
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<td><a href="http://opd.tamu.edu/the-craft-of-writing-workbook/toolkit-for-programs-for-junior-faculty">http://opd.tamu.edu/the-craft-of-writing-workbook/toolkit-for-programs-for-junior-faculty</a></td>
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<tr>
<td><strong>Grant Programs for New Investigators/Junior Faculty</strong></td>
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<tr>
<td><a href="http://opd.tamu.edu/funding-opportunities/funding-opportunities-by-category/programs-for-junior-faculty.html">http://opd.tamu.edu/funding-opportunities/funding-opportunities-by-category/programs-for-junior-faculty.html</a></td>
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<tr>
<td><strong>New Faculty Research Funding Starter Kit</strong></td>
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<tr>
<td><a href="http://opd.tamu.edu/resources-for-junior-faculty/new-faculty-research-funding-starter-kit.html">http://opd.tamu.edu/resources-for-junior-faculty/new-faculty-research-funding-starter-kit.html</a></td>
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<tr>
<td><strong>Applying for Research Grants</strong></td>
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<td><a href="http://www.nd.edu/~research/proposal/borkowski_howardapplying.pdf">http://www.nd.edu/~research/proposal/borkowski_howardapplying.pdf</a></td>
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<tr>
<td>John G. Borkowski &amp; Kimberly S. Howard, University of Notre Dame</td>
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<tr>
<td><strong>A Beginner's Guide to the World of Research Grants for Sociologists by Stewart Tolnay, University of Washington</strong></td>
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<td>“...Getting started to prepare a grant proposal is a lot like getting started to write a research paper. But, the scale of the enterprise is a little bit bigger because funders will usually expect you to produce more than one published article from a project that they support. It all begins with a GOOD IDEA. Where do “good ideas” come from? Basically, they come from previous work that has been done in a substantive area, and they identify unanswered questions that you will be able to answer when the funder gives you lots of money (or at least that’s the story). So, you must be familiar with the literature in the area within which your project is situated; and you have to be creative enough to come up with a set of research questions (sometimes stated as hypotheses) that seem: (1) relevant to the substantive area, (2) scientifically important, and (3) answerable with the methodological approach you propose to use.”</td>
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<tr>
<td><strong>The Art of Writing Proposals: Some Candid Suggestions for Applicants to Social Science Research Council Competitions</strong></td>
</tr>
<tr>
<td>By Adam Przeworski and Frank Salomon</td>
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NIH New Investigators Program

Common Mistakes in NIH Applications
http://www.ninds.nih.gov/funding/grantwriting_mistakes.htm

NIH Grant Cycle: Application to Renewal

NIH Early-Stage Investigator Portal

Resources for the Development of Early-Career Scientists
http://www.hhmi.org/resources/labmanagement/index.html

Beginning scientists face a variety of challenges in launching their careers. The publications and links on this Web site can help new investigators "make the right moves" and assist those who take on the important task of providing early-career researchers with scientific management training.

Office of Proposal Development NSF CAREER Seminar & CAREER Links

Program Information
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5262

NSF CAREER Proposal Writing Tips
http://www.clarku.edu/offices/research/pdfs/NSFProposalWritingTips.pdf
Edited by ZJ Pei, Kansas State University, January 2007

2008 NSF Sponsored CAREER Proposal Writing Workshop, Resources
http://www.k-state.edu/career/2008/08resource.htm
Dr. Jian Cao, Northwestern Univ., former NSF Program Director, ‘97 CAREER Awardee
Dr. Z.J. Pei, Kansas State Univ., 2004 CAREER Awardee

ACLS Competitions and Deadlines, 2008-09

American Philosophical Society Fellowships & Research Grants
http://www.amphilso.org:80/grants/

Components of a Humanities/Social Sciences Research Proposal
Suad Joseph, University of California, Davis
http://sjoseph.ucdavis.edu/Faculty_Workshop/COMPONENTS%20HARCS%20&%20SS%202004.htm

“...The basic components of research proposals are the same in humanities and social sciences. How they are phrased and staged varies by discipline and by funding agency. The questions posed herein are required by most agencies in some form. If you answer the “maximal” components below, you should be able to write proposals for most funding agencies. The components may seem more “social science” than “humanities”, but in fact, humanities funders ask the same questions, sometimes using different language. Decode the language for your discipline. Keep in mind, many agencies are interdisciplinary in their funding and have interdisciplinary review panels. Follow the guidelines of your funding agency, answer the questions the funder poses, use the funder’s language for the components described herein.”

Scholarly Arguments: Strategies for Writing Persuasive Proposals in the Humanities
Christina M. Gillis, Townsend Center for Humanities, UC-Berkeley
http://townsendcenter.berkeley.edu/pubs/scholarly%20arguments.pdf
http://townsendcenter.berkeley.edu/scholarly_arguments.shtml

Do's & Don't's for [NEH] Fellowship Applicants
by Guinevere L. Griest
Director, Division of Fellowships and Seminars, National Endowment for Humanities
http://www.wm.edu/grants/PROP/fellhints.html

Submitting A Grant Proposal: Risks, Benefits, and How to Succeed
An introduction to grant development in the humanities by Maria Carlson,
Director, Center for Russian and East European Studies, The University of Kansas
http://www.hallcenter.ku.edu/grants/development/pdf/SubmittingGrantProposal.shtml

The tutorial is divided into the following sections: Scholars and the Grant Application Process; The Risks and Benefits of Grant Proposal Submission; The "Theology" of Grant Proposal Writing; Frank Advice on Writing Research Grant Proposals in the Humanities; Abstract or Summary The Proposal Narrative; About Your Audience; Typical Review Panel Criteria; Identifying References and Recommendations; The Curriculum Vitae

ACLS Competitions and Deadlines, 2008-09

Resources for Graduate Students & Post Docs (Top)
Graduate Guide to Grants
http://www.gsas.harvard.edu:80/current_students/graduate_guide_to_grants_4.php
The Graduate Guide to Grants is an annual publication prepared by the Graduate School of Arts and Sciences, Harvard University.

A Guide to External Graduate Fellowships
http://www.gradschool.cornell.edu/pubs_and_forms/pubs/fellowshipbrochure.pdf
Cornell University Graduate Schools

Graduate Fellowships Data Base
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<td><strong>2008-2009 Graduate Student Funding Opportunities Guide</strong></td>
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<td>Teachers College, Columbia University OSP</td>
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<tr>
<td><strong>Scholarly Pursuits: A Guide to Professional Development During the Graduate Years</strong></td>
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<tr>
<td>by Cynthia Verba, Harvard University Graduate School of Arts &amp; Sciences</td>
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<tr>
<td><strong>Graduate Fellowship Personal Statements and Essays</strong></td>
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<tr>
<td>Worcester Polytechnic University</td>
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<tr>
<td><strong>Proposal Writing: The Art Of Persuasion Fulbright, Marshall &amp; Rhodes</strong></td>
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<tr>
<td>Institute for Global Studies &amp; Affairs, University of Cincinnati</td>
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<tr>
<td><strong>Writing Personal Statements and Scholarship Application Essays</strong></td>
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<tr>
<td>by Joe Schall</td>
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<tr>
<td><strong>Alexander von Humboldt Foundation - 2-year Post-Doctoral Fellowships for U.S. Scientists and Scholars (to Study in Germany)</strong></td>
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<tr>
<td>The Alexander von Humboldt Foundation enables highly qualified, early-stage researchers from abroad, who hold doctorates, to carry out research projects of their own choice in Germany. Applications may be submitted for long-term research stays of at least 13 and at most 24 months. Researchers of all disciplines may apply to the AvH directly at any time. There are no quotas for individual disciplines. This fellowship program enables highly qualified scientists and scholars, aged up to 40 years, of all nationalities and disciplines resident outside of Germany who hold doctorates to carry out research projects of their own choice in Germany. Applications may be submitted at any time for research stays of up to two years. Scholars from the disciplines of humanities, social sciences, and law may apply to the AvH directly at any time.</td>
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<td><strong>Funding Opportunities For Environmental Graduate Studies</strong></td>
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<td><a href="http://www.environment.msu.edu/news/opportunities/Funding%20for%20environmental%20graduate%20studies%20-%20major%20grants.pdf">http://www.environment.msu.edu/news/opportunities/Funding%20for%20environmental%20graduate%20studies%20-%20major%20grants.pdf</a></td>
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<td>Compiled by Michigan State University’s Environmental Science and Policy Program</td>
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<td><strong>National Science Foundation (Top)</strong></td>
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<td><strong>US Scientific Committee on Antarctic Research</strong></td>
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<td><a href="http://usscar.tamu.edu:80/">http://usscar.tamu.edu:80/</a></td>
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<tr>
<td><strong>NSF GPG Summary of Significant Changes-- January 1, 2009</strong></td>
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Mentoring Requirement for Postdoctoral Research Fellows


Chapter II – Section C.2d(i), Project Description, has had entirely new guidance added regarding mentoring activities. This was done to address the mentoring requirement of the America COMPETES Act. Each proposal that requests funding to support postdoctoral researchers must include, as a separate section within the 15-page project description, a description of the mentoring activities that will be provided for such individuals. Examples of such activities are provided and the mentoring plan will be evaluated during the merit review process, under the Broader Impacts criterion. Proposals that do not include a separate section on mentoring activities within the Project Description will be returned without review.

Life in Transition--Biological Sciences funding to support emerging areas of interdisciplinary research, NSF DCL Oct. 17


The Biological Sciences Directorate is augmenting funding to support emerging areas of interdisciplinary research, many of which lie at the intersection of the life and physical sciences. Priority will be given to projects that address fundamental questions about Life in Transition (LiT) including: how the living world has and is adapting to and transforming the Earth’s climate, the diverse strategies by which living systems obtain and use energy, and life’s origins and indispensable properties.

Microbial Systems in the Biosphere (MSB), NSF DCL Oct. 17


The Directorate for Biological Sciences is augmenting funding to programmatic areas throughout the Directorate for research in microbial biology. The Directorate invites investigators who have submitted proposals to the recently ended Microbial Observatories and Microbial Interactions and Processes (MO/MIP) solicitation

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6166&org=MCB to submit proposals to relevant core programs/clusters as described on the BIO web site. Examples of programs to which proposals may be submitted include but are not limited to:


NSF Strategic Plan FY 2006-2011


NSF Human Capital Strategic Plan

NSF RSS Feeds and Podcasts

National Institutes of Health (Top)
Announcing Initial Implementation Timeline for Enhancing Peer Review

The preliminary implementation plans for the 2009 through 2010 calendar years.

NIH Peer Review Policies & Practices

http://grants.nih.gov/grants/peer/

NIH Extramural Training Mechanisms

http://grants.nih.gov:80/training/extramural.htm

K Kiosk - Information about NIH Career Development Awards

http://grants1.nih.gov/training/careerdevelopmentawards.htm

New NIH Policy on Resubmission (Amended) Applications

NIH announces a change in the existing policy on resubmission (amended) applications (see http://grants.nih.gov/grants/policy/amendedapps.htm). Beginning with original new applications (i.e., never submitted) and competing renewal applications submitted for the January 25, 2009 due dates and beyond, the NIH will accept only a single amendment to the original application. Failure to receive funding after two submissions (i.e., the original and the single amendment) will mean that the applicant should substantially re-design the project rather than simply change the application in response to previous reviews. It is expected that this policy will lead to funding high quality applications earlier, with fewer resubmissions.

Encouraging Early Transition to Research Independence: Modifying the NIH New Investigator Policy to Identify Early Stage Investigators

http://grants.nih.gov/grants/guide/notice-files/N0-TOD-08-121.html
This notice describes a change in NIH New Investigator policies designed to encourage early transition to independence. Under this policy, New Investigators within ten years of completing their terminal research degree or within ten years of completing their medical residency will be designated Early Stage Investigators (ESIs). Traditional NIH research grant (R01s) applications from ESIs will be identified and the career stage of the applicant will be considered at the time of review and award.

Funding Opportunities - National Center for Research Resources – NCRR

2009-2013 Strategic Plan

http://www.ncrr.nih.gov/research_funding/funding_opportunities/

National Center for Research Resources New Strategic Plan

http://www.ncrr.nih.gov/strategic_plan/

NCRR Programs: Biomedical Technology; Research Infrastructure; Comparative Medicine; Clinical Research.

The National Institutes of Health Office of Extramural Research (OER) provides several sources for current news related to grants policy, funding programs, compliance, and electronic research administration.
- The **NIH Guide**, published weekly, is the official publication for research grant policies, guidelines, and funding opportunities. Readers may subscribe to a weekly email listserv of the Table of Contents or an RSS feed of NIH Funding Opportunities.
- The **NIH Extramural Nexus** is a monthly newsletter update from OER.
- The OER web page has a **News & Events** section.

### NIH Roadmap for Medical Research


The Transformative R01 Program (T-R01s) will allow highly creative, “out-of-the-box” projects to be supported in any area of research that falls within the NIH mission, and in particular, in areas of Highlighted Need. The NIH recognizes that new paradigms are needed in these areas and will highly encourage research that addresses these needs.

### NIH Links


Links to a wide variety of data, statistics, strategic plans, policy studies, program evaluations, and other sources of reports on biomedical and behavioral research programs, as well as broader science-related information resources.

### NIH Parent Announcements

(For Unsolicited or Investigator-Initiated Applications)


NIH and other agencies serviced by eRA Commons still want your investigator-initiated applications. Electronic grant applications must be submitted in response to a Funding Opportunity Announcement. NIH has developed Parent Announcements for use by applicants who wish to submit what were formerly termed investigator-initiated or ‘unsolicited’ applications.

### NCRR strategic plan: strategy to Facilitate information sharing among biomedical researchers


### CSREES RSS Feeds


### Open Solicitations (Top)

#### U.S. Nuclear Regulatory Commission, Grant Opportunities

[http://www.nrc.gov/about-nrc/grants.html#negp](http://www.nrc.gov/about-nrc/grants.html#negp)

#### AFOSR: Broad Agency Announcements – Current


#### Office of Naval Research Currently Active BAAs

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<td><strong>DOE Open Grants and Contracts</strong></td>
<td><a href="http://www.sc.doe.gov/grants/grants.html">http://www.sc.doe.gov/grants/grants.html</a></td>
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<td><strong>HSARPA Solicitations Portal</strong></td>
<td><a href="https://www.hsarpabaa.com/">https://www.hsarpabaa.com/</a></td>
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<td><strong>Center for Disease Control &amp; Prevention Open FOAs</strong></td>
<td><a href="http://www.cdc.gov/od/pgo/funding/FOAs.htm">http://www.cdc.gov/od/pgo/funding/FOAs.htm</a></td>
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**McNeil Center for Early American Studies - Barra Postdoctoral Fellowship, 2009-2011**

The McNeil Center will appoint a recent recipient of the PhD as a Postdoctoral Fellow for a two-year term beginning 1 July 2009. The fellow will receive a starting stipend of at least $41,000; health insurance; private office space in the Center's building at the northeastern gateway to the University of Pennsylvania's historic campus; library, computer, and other privileges at the university; and access to the Philadelphia area's magnificent manuscript, rare book and museum collections. Modest funds for travel and research are available. During the two-year term of appointment, the fellow will teach two courses in an appropriate department at the University of Pennsylvania. All McNeil Center fellows are expected to be in residence during the academic year and to participate in the Center's program of seminars and other activities.

**Mellon Fellowships for Assistant Professors**

The School Of Historical Studies at the Institute for Advanced Study, with the support of the Andrew Mellon Foundation, has established a program of one year memberships for assistant professors at universities and colleges in the United States and Canada to support promising young scholars who have embarked on professional careers. While at the Institute they will be expected to engage exclusively in scholarly research and writing.

**National Estuarine Research Reserve Graduate Research Fellowship Program FY09**

The School of Historical Studies at the Institute for Advanced Study, with the support of the Andrew Mellon Foundation, has established a program of one year memberships for assistant professors at universities and colleges in the United States and Canada to support promising young scholars who have embarked on professional careers. While at the Institute they will be expected to engage exclusively in scholarly research and writing.  

**U.S. Department of Education Federal Register Funding Notices**


**Center for Disease Control & Prevention Open FOAs**

http://www.cdc.gov/od/pgo/funding/FOAs.htm

**U.S. Department of Education Federal Register Funding Notices**


**National Estuarine Research Reserve Graduate Research Fellowship Program FY09**

http://www.grants.gov/search/search.do;jsessionid=L38TSgP4TTYZHypgk8xg852bGnSgHVp2cn5DnTMSK6fMpb4h7hhr!825306283?oppId=42320&flag2006=false&mode=VIEW
NOAA announces the availability of graduate research fellowships. The National Estuarine Research Reserve System consists of estuarine areas of the United States and its territories which are designated and managed for research and educational purposes. Each reserve within the system is chosen to reflect regional differences and to include a variety of ecosystem types in accordance with the classification scheme of the national program as presented in 15 CFR part 921. Each reserve supports a wide range of beneficial uses of ecological, economic, recreational, and aesthetic values which are dependent upon the maintenance of a healthy ecosystem. The sites provide habitats for a wide range of ecologically and commercially important species of fish, shellfish, birds, and other aquatic and terrestrial wildlife. For detailed descriptions of the sites, refer to the NERR Web site at [http://www.nerrs.noaa.gov/fellowship](http://www.nerrs.noaa.gov/fellowship) or contact the site staff.

**American Academy In Rome, Rome Prize Fellowships**  
30 fellowships for advanced research and creative work in Rome: 15 in the fine arts and 15 in the humanities. Fellowships range from 6 months to 2 years. Awards include room, board, travel, and work space at the Academy. Humanities. School of Arts and Architecture. School of Public Affairs. Open to the following fields: art history, archaeology, architecture, classical studies, conservation, graphic design, literature, modern Italian studies, musical composition, post-classical humanistic studies, urban design and planning, and visual arts. **Nov. 1**

**Dumbarton Oaks-Residential Fellowships (Byzantine Studies, Pre-Columbian & Garden)**  
[http://www.doaks.org/research/info_fellowships.html](http://www.doaks.org/research/info_fellowships.html)  
Dumbarton Oaks offers Residential Fellowships in three areas of study: Byzantine Studies (including related aspects of late Roman, early Christian, Western medieval, Slavic, and Near Eastern studies), Pre-Columbian Studies (of Mexico, Central America, and Andean South America), and Garden and Landscape Studies. Fellowship awards range from an equivalent of approximately $27,000 for an unmarried Junior Fellow to a maximum of $47,000 for a Fellow from abroad accompanied by family members. **Junior Fellowships** are for degree candidates who at the time of application have fulfilled all preliminary requirements for a Ph.D. (or appropriate final degree) and will be working on a dissertation or final project at Dumbarton Oaks under the direction of a faculty member at their own university. Fellowships are for scholars who hold a doctorate (or appropriate final degree) or have established themselves in their field and wish to pursue their own research. **Nov. 1**

**Institute for Advanced Study-School of Historical Studies -- Opportunities for Scholars**  
[http://www.hs.ias.edu/instructions.htm](http://www.hs.ias.edu/instructions.htm)  
Those chosen are offered membership for a set period and a stipend. The Institute provides access to extensive resources including offices, libraries, subsidized restaurant and housing facilities, and some secretarial services. Open to all fields of historical research, the School of Historical Studies' principal interests are the history of western, near eastern and far eastern civilizations, with particular emphasis upon Greek and Roman civilization, the history of Europe (medieval, early modern, and modern), the Islamic world, East Asian studies, the history of art, the history of science, modern international relations, and music studies. **Nov. 1**

**Institute for Advanced Study - Mellon Fellowships for Assistant Professors**  
[http://www.sss.ias.edu/about/](http://www.sss.ias.edu/about/)  
Three appointments will be made for the academic year 2009-2010. Appointments will be for one full year (July 1 through June 30 with the option of staying through the second summer until August 15) and will carry all the privileges of Membership at the Institute for Advanced Study. The stipend will match the combined salary and benefits at the Member's home institution at the time. **Nov. 1**
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<tr>
<th><strong>Archaeological Institute of America</strong></th>
<th>Nov. 1</th>
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<tr>
<td>The AIA is pleased to offer six fellowships for travel and study to deserving scholars. Fellowships are open to members of the Archaeological Institute of America, and information for each fellowship is listed below. If you have any questions, contact the Fellowship Coordinator at 617-358-4184 or <a href="mailto:lsparks@aia.bu.edu">lsparks@aia.bu.edu</a>.</td>
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<tr>
<th><strong>Ruth I. Michler Memorial Prize of the AWM</strong></th>
<th>Nov. 1</th>
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<tr>
<td>Awarded annually to a woman recently promoted to Associate Professor or an equivalent position in the mathematical sciences. The prize provides a fellowship for the awardee to spend a semester in the Mathematics Department of Cornell University without teaching obligations.</td>
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<tr>
<th><strong>Folger Shakespeare Library Long-term Fellowships</strong></th>
<th>Nov. 1</th>
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<tr>
<td><a href="http://folger.edu/template.cfm?cid=298">http://folger.edu/template.cfm?cid=298</a></td>
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<tr>
<td>Long-term fellowships are supported by funds from the Andrew W. Mellon Foundation and the National Endowment for the Humanities. Long-term fellows are selected by an external committee which considers the following criteria in making its selections: importance of the topic; originality and sophistication of the approach; feasibility of the research objectives; and the applicant's need for the Folger collections. The Folger looks for highly talented, productive scholars whose work will be significantly advanced by a prolonged period of access to our collection, and who, while in residence, will contribute to the intellectual vitality of this institution.</td>
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<tr>
<th><strong>American Psychological Foundation - Roy Scrivner Memorial Research Grants</strong></th>
<th>Nov. 1</th>
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<td>The Roy Scrivner Memorial Research Grants support empirical and applied research focused on lesbian, gay, and bisexual family psychology and lesbian, gay, and bisexual family therapy. APF encourages researchers from all fields of the behavioral and social sciences to apply. One grant of up to $10,000 for research by a post-doctoral researcher. Up to two $1,000 grants for graduate student research with strong preference given to dissertation candidates.</td>
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<tr>
<th><strong>Graduate Research Fellowship Program</strong></th>
<th>Nov. 3-12 based on disciplines</th>
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<tr>
<td>The National Science Foundation aims to ensure the vitality of the human resource base of science, technology, engineering, and mathematics in the United States and to reinforce its diversity by offering approximately 900-1,600 graduate fellowships in this competition pending availability of funds. The Graduate Research Fellowship provides three years of support for graduate study leading to research-based master's or doctoral degrees and is intended for students who are in the early stages of their graduate study. The Graduate Research Fellowship Program (GRFP) invests in graduate education for a cadre of diverse individuals who demonstrate their potential to successfully complete graduate degree programs in disciplines relevant to the mission of the National Science Foundation. For each hosted Fellow, the affiliated institution receives a $40,500 award per Fellow tenure year to cover the costs described below. Fellows Abroad receive direct NSF grant awards up to the same amount per year on tenure. The Graduate Research Fellowship stipend currently is $30,000 for a 12-month tenure period, prorated monthly at $2,500 for shorter periods as approved by NSF. The cost of education allowance currently is $10,500 per tenure year and is to be used by the affiliated institution to cover the costs of educating the Fellow.</td>
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https://www.nsfgradfellows.org/
OPD Seminar: How to Find & Apply for Graduate Fellowships
Advice Applying For Graduate Fellowships: NSF, NDSEG, Hertz
By Philip J. Guo, Ph.D. student, Dept. of Computer Science, Stanford University
http://www.stanford.edu/~pgbovine/fellowship-tips.htm#general
How to Win a Graduate Fellowship
By Michael Kiparsky, Chronical of Higher Education
[Students] In Pursuit of the Perfect Letter of Reference
Campbell, R.W., M. Boersma, J. Dower, G. Muller-Parker, C.S. Weiler
http://www.disccrs.org/reports/referenceletters.html
NSF Graduate Research Fellowship Program
By Valorie Troesch
http://gsc.students.mtu.edu/funding/NSFGraduateResearchFellowshipProgram.ppt
http://www.grad.clemson.edu/fellowships/NSF%20GRFP%2020Seminar%20202%20in%202006.ppt
Advice for Applicants to the NSF Graduate Research Fellowship
By Keith Jacks Gamble, updated 1/23/06
http://socrates.berkeley.edu/~gamble/nsfadvice.pdf
NSF Graduate Research Fellowship Program
American Society for Engineering Education
NSF GRF Program: What Panelists Look For?!
Tess Moon, Ph.D., Mechanical Engineering, University of Texas at Austin
NSF Graduate Research Fellowship Program
http://www.northwestern.edu/fellowships/docs/NSF%20GRFP%2020Presentation.pdf
Nicole Le Maistre, GRF Operations Center

Higher Education for Development - TIES US - Mexico University Partnerships -- Request for Applications (RFA)
The Higher Education for Development, in cooperation with the U.S. Agency for International Development (USAID), anticipates making at least two awards of up to $450,000 each for three-year partnerships as part of the US-Mexico Training, Internships, Exchanges, and Scholarships (TIES) Initiative. The awards will provide higher education support for legal reforms in Mexico. HED expects to fund at least two awards of up to $450,000 each, incrementally funded over a three-year period, contingent on USAID funding. The partnerships will provide Higher Education Support for Legal Reforms in Mexico. For further information regarding this RFA, please contact Senior Program Associate Jennifer Sisane (202) 243-7680; jsisane@hedprogram.org.

Microsoft New Faculty Fellowship Program
http://research.microsoft.com/ur/us/nff/
Microsoft Research seeks nominees who are advancing computing research in novel directions with the potential for high impact on the state of the art, and who demonstrate the likelihood of becoming thought leaders in the field.
### EPA Forecasting Ecosystem Services from Wetland Condition Analyses

Applications to develop relationships between wetland ecological condition indicators and ecosystem services delivery. There is a great need to extract maximum value from current efforts to conduct wetland condition surveys and to consider the full range of benefits derived from ecosystem services. (Services provided by ecosystems to humans include provisioning [e.g., providing water food, fuel, fiber]; support [soil fertility, nutrient cycling, pollination]; regulation [climate moderation, flood control]; cultural [economic, spiritual, and recreational benefits]; and preservation [biodiversity, renewable resources].)

**Nov. 3**

### Reagan-Fascell Democracy Fellows Program

The National Endowment for Democracy invites applications to its Reagan-Fascell Democracy Fellows Program for fellowships in 2009-2010. Named in honor of the two principal founders of NED, former president Ronald Reagan and the late congressman Dante Fascell, the program enables democracy activists, practitioners, scholars, and journalists from around the world to deepen their understanding of democracy and enhance their ability to promote democratic change.

**Nov. 3**

### Minority Postdoctoral Research Fellowships and Supporting Activities

These fellowships support training and research in science, technology, engineering and mathematics (STEM) fields in a host institution only in the areas of biology and social, behavioral, and economic sciences within the purview of NSF.

**Nov. 3**

### NEH/DFG Symposia and Workshops Program - Digital Humanities

The National Endowment for the Humanities (NEH) in the United States and the German Research Foundation (Deutsche Forschungsgemeinschaft e.V., DFG) in Germany are working together to offer support for digital humanities projects. These grants provide funding for up to two bilateral symposia or workshops in the area of digital humanities. Collaboration between U.S. and German partners is a key requirement for this grant category. The goal of this request for proposals is to promote stronger bilateral cooperation and increased competencies in the digital humanities communities in the two countries by initiating or intensifying contact between distinguished scholars, junior researchers, scientists, librarians, information professionals, and others working on humanities projects.

**Nov. 4**

### International Collaboration in Chemistry: US Investigators/ Counterparts Abroad

Proposals may only be submitted by the following: -Universities and Colleges: Universities and two- and four-year colleges (including community colleges) located and accredited in the US, acting on behalf of their faculty members. Such organizations also are referred to as academic institutions. *PI Limit: a) A U.S. Investigator must establish a partnership with an investigator in either Germany, Austria, United Kingdom, China or France. The collaborating foreign investigator must be eligible for funding from the DFG (Germany), FWF (Austria), EPSRC (UK), NSFC (China) and ANR (France) respectively. b) The solicitation calls for new projects in areas that are supported by the Division of Chemistry programs in Analytical and Surface Chemistry, Inorganic chemistry, Organic chemistry, Physical chemistry and Theoretical and Computational chemistry.

**Prelim Nov. 4; full Jan. 30**

### TeraGrid Phase III: eXtreme Digital Resources for Science and Engineering

**Prelim**
In many areas of research, a key to making advances is the ability of scientists and engineers to manipulate extremely large quantities of information. Examples include: numerical simulation and modeling; the analysis of very large datasets, whether generated by new generations of scientific instrumentation or by numerical models; and the mining of a wide range of collections of digital artifacts. At the largest scales, the resources needed to work with huge volumes of digital information are expensive and scarce.

**National Physical Science Consortium - Graduate Fellowships in the Physical Sciences**

NPSC offers a unique Ph.D.-track graduate fellowship in the physical sciences and related engineering fields. It is open to all U. S. Citizens, but with emphasis on recruitment of applications from historically underrepresented minorities and women. An NPSC Fellowship covers the first two or three years of graduate school, depending on the employer who sponsors the fellowship, with the possibility of continuation for several more years providing all the conditions of the fellowship continue to be met. The maximum duration is six years, in which case the overall value (stipend, tuition, fees, summer salary for two summers) of an NPSC fellowship typically well exceeds $200,000. **Downloads:** [http://www.npsc.org/downloads/#brochure](http://www.npsc.org/downloads/#brochure)

**International Dissertation Research Fellowship**

The International Dissertation Research Fellowship (IDRF) program supports distinguished graduate students in the humanities and social sciences conducting dissertation research outside the United States. Seventy-five fellowships will be awarded in 2009 with funds provided by the Andrew W. Mellon Foundation.

Program encourages research that is relevant to societies, cultures, economies and/or politics outside the United States. Supports 9 to 12 months in the field. The IDRF program is committed to empirical and site-specific research that advances knowledge about non-U.S. cultures and societies (involving fieldwork, research in archival or manuscript collections, or quantitative data collection). The program promotes research that is situated in a specific discipline and geographical region and is engaged with interdisciplinary and cross-regional perspectives. Fellowships will provide support for nine to twelve months of dissertation research. Individual awards will be approximately $20,000. No awards will be made for proposals requiring less than nine months of on-site research. The 2009 IDRF fellowship must be held for a single continuous period within the eighteen months between July 2009 and December 2010.

**NEH Collaborative Research**

Collaborative Research Grants support original research undertaken by a team of two or more scholars or research coordinated by an individual scholar that, because of its scope or complexity, requires additional staff and resources beyond the individual's 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 (projects may encompass excavation, materials analysis, laboratory work, field reports, and preparation of interpretive monographs); translations into English of works that provide insight into the history, literature, philosophy, and artistic achievements of other cultures; and research that uses the knowledge, methods, and perspectives of the humanities to enhance understanding of science, technology, medicine, and the social sciences.
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<tr>
<th>National Academy of Education/ Spencer Postdoctoral Fellowship</th>
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<tr>
<td><a href="http://www.naeducation.org/NAEd_Spencer_Postdoctoral_Fellowship.html">http://www.naeducation.org/NAEd_Spencer_Postdoctoral_Fellowship.html</a></td>
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<td>Nov. 7</td>
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<td>The National Academy of Education/Spencer Postdoctoral Fellowship Program supports early career scholars working in critical areas of education research. This nonresidential postdoctoral fellowship funds proposals that make significant scholarly contributions to the field of education. The program also develops the careers of its recipients through professional development activities involving National Academy of Education members.</td>
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<th>Cyber-Enabled Discovery and Innovation (CDI)</th>
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<tr>
<td>Prelim Nov. 8 &amp; 9; full April 20</td>
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<td>Cyber-Enabled Discovery and Innovation (CDI) is NSF’s bold five-year initiative to create revolutionary science and engineering research outcomes made possible by innovations and advances in computational thinking. Computational thinking is defined comprehensively to encompass computational concepts, methods, models, algorithms, and tools. Applied in challenging science and engineering research and education contexts, computational thinking promises a profound impact on the Nation’s ability to generate and apply new knowledge. Collectively, CDI research outcomes are expected to produce paradigm shifts in our understanding of a wide range of science and engineering phenomena and socio-technical innovations that create new wealth and enhance the national quality of life.</td>
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<tr>
<th>National Coastal and Estuarine Research and Technology Program</th>
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<tr>
<td><a href="http://www.grants.gov/search/search.do;jsessionid=L31P8VCNL8rkC0ybKN4FLSRHOvdj4CQyQd2rR7DG3WNpysh6T8vl825306283?oppId=42319&amp;flag2006=false&amp;mode=VIEW">http://www.grants.gov/search/search.do;jsessionid=L31P8VCNL8rkC0ybKN4FLSRHOvdj4CQyQd2rR7DG3WNpysh6T8vl825306283?oppId=42319&amp;flag2006=false&amp;mode=VIEW</a></td>
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<td>Nov. 9</td>
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<td>NOAA seeks to establish a national estuarine research and technology program which operates in partnership with the National Estuarine Research Reserve System (NERRS). Funds will be used to conduct collaborative research and transform the best available science into practical innovative tools that coastal managers can use to detect, prevent, and reverse the impacts of coastal pollution and habitat degradation. Additionally, the program will provide coastal and estuarine managers a better understanding of what tools are available, how well they work, and how best to apply them to detect, prevent, and reverse the impacts of coastal pollution and habitat degradation.</td>
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<th>Howard Foundation Fellowships</th>
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<td><a href="http://www.brown.edu/Divisions/Graduate_School/Howard_Foundation/">http://www.brown.edu/Divisions/Graduate_School/Howard_Foundation/</a></td>
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<td>Nov. 10</td>
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<td>The Howard Foundation awards a limited number of fellowships each year for independent projects in fields selected on a six-year rotation of topics. Approximately ten fellowships will be awarded for 2009-2010. Stipends of $25,000 are awarded to support individuals working on specific research projects. Howard Fellowships may not be used to prepare exhibits or to support institutional programs. There are no residency requirements for individuals who receive awards.</td>
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<tr>
<th>National Endowment for Democracy - Reagan-Fascell Democracy Fellows Program</th>
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<td>Nov. 10</td>
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<td>The National Endowment for Democracy (NED) invites applications for the Reagan-Fascell Democracy Fellows Program. The program enables democracy activists, practitioners, scholars, and journalists from around the world to deepen their understanding of democracy and enhance their ability to promote democratic change. Fellows maintain full-time residence at the International Forum for Democratic Studies, the research arm of the Endowment, located in Washington, DC. The Forum hosts 12 to 15 Reagan-Fascell fellows per year for periods ranging</td>
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from three to ten months. Each fellow receives a monthly stipend for living expenses as well as an office and support services, including access to the Forum’s Democracy Resource Center and Library. While the program's scholarly track is intended primarily for accomplished or promising scholars from new and emerging democracies, distinguished scholars from the US are also eligible to apply.

**Research Opportunities at Rare Isotope Beam Facilities**
https://e-center.doe.gov/iips/faopor.nsf/

The Office of Nuclear Physics, Office of Science, announces its interest in receiving preapplications for developing outstanding scientific opportunities in nuclear structure and dynamics, nuclear astro-physics, and tests of fundamental interactions and symmetries at leading rare isotope beam facilities around the world.

**Opportunities for Enhancing Diversity in the Geosciences (OEDG)**

The Directorate for Geosciences of the National Science Foundation supports research and education in the Atmospheric, Earth, and Ocean Sciences. The Opportunities for Enhancing Diversity in the Geosciences (OEDG) Program is designed to address the fact that certain groups are underrepresented in the geosciences relative to the proportions of those groups in the general population. The primary goal of the OEDG Program is to increase participation in the geosciences by African Americans, Hispanic Americans, Native Americans (American Indians and Alaskan Natives), Native Pacific Islanders (Polynesians or Micronesians), and persons with disabilities. A secondary goal of the program is to increase the perceived relevance of the geosciences among broad and diverse segments of the population.

**ACLS Collaborative Research Awards**

ACLS invites applications for the inaugural competition for the ACLS Collaborative Research Awards. These awards support collaborative research in the humanities and related social sciences (1). A grant from The Andrew W. Mellon Foundation supports this program. Collaborations need not be interdisciplinary or inter-institutional, but must involve at least two scholars; applicants at the same institution must demonstrate why local funding is insufficient to support the project. It is hoped that projects of successful applicants will help demonstrate the range and value of both collaborative research and inquiry in the humanities, and model how such collaboration may be carried out successfully. Collaborations that involve the participation of assistant and associate faculty members, or that of scholars at different kinds of institutions, are particularly encouraged.

**American Council of Learned Societies - Chiang Ching-kuo Foundation for Scholarly Exchange (CCK) - New Perspectives on Chinese Culture and Society (Workshop Support)**

The American Council of Learned Societies, in cooperation with the Chiang Ching-kuo Foundation for Scholarly Exchange, has announced a program of support for conferences and publications on New Perspectives on Chinese Culture and Society. The program will award funds in support of planning meetings, workshops, and/or conferences leading to publication of scholarly volumes. The program is intended to support projects that bridge disciplinary or geographic boundaries, engage new kinds of information, develop fresh approaches to traditional materials and issues, or otherwise bring innovative perspectives to the study of Chinese culture and society. The program will support collaborative work of three types: Grants of up to $25,000 will be offered to support formal research conferences intended to produce significant new research published in a conference volume. Grants of up to $15,000 will be offered for support of workshops or seminars.
designed to less formally facilitate new research on newly available or inadequately researched problems, data, or texts. Grants of up to $6,000 will be offered for planning meetings to organizers of the above-described types of projects.

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<tr>
<th>American Council of Learned Societies - American Research in the Humanities in China</th>
<th>Nov. 12</th>
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<td>The Committee on Scholarly Communication with China Programs supports scholars in the humanities to do research in China. The American Research in the Humanities in China program is for scholars in the humanities to do research in the People's Republic of China. US citizens and permanent residents who have lived in the US continuously for at least three years by the application deadline are eligible to apply. This program supports individuals with the Ph.D. or equivalent to do in-depth research on China or the Chinese portion of a comparative study. Grants are offered for 4 to 12 months of continuous research in China. Applicants should demonstrate that they have fully utilized the available resources in the US and are prepared by virtue of study, training, and planning to take full advantage of an opportunity to do research in China.</td>
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<tr>
<th>American Council of Learned Societies - Chinese Fellowships Scholarly Development</th>
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<td>Fellowships are available for Chinese scholars in the social sciences and humanities with the M.A., Ph.D., or equivalent from a Chinese institution to carry out one or two semesters of individual or collaborative research at the invitation of a US host scholar. Candidates must be nominated by the US host; Chinese scholars may not apply directly. Nominees must currently reside in China. Scholars who have previously visited the US for five months or more, or who are enrolled in degree programs, are not eligible. Funding for this program is provided by the Li Foundation.</td>
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<tr>
<th>ACLS - East European Studies Programs: Fellowships and Grants</th>
<th>Nov. 12</th>
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<tr>
<td>ACLS accepts applications for the East European Studies Programs Fellowships and Grants. The East European Studies Program is funded by the Department of State under the Research and Training for Eastern Europe and the Independent States of the Former Soviet Union Act of 1983 as amended (Title VIII), whose purpose is the development of expertise in the United States needed for broad knowledge and analysis of developments in this critical world area. Every application for these fellowships and grants should, therefore, state clearly how the proposed research will contribute to a better understanding of the region and policy-making related to it.</td>
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<td>The Robert Wood Johnson Foundation's (RWJF) New Connections: Increasing Diversity of RWJF Programming aims to expand the diversity of perspectives that inform RWJF programming and introduce new researchers and scholars to the Foundation, while simultaneously helping to meet staff needs for data analysis. The program invites Junior Investigators—scholars from historically disadvantaged and underrepresented communities who have received their doctorate within the last seven years—to address specific questions posed by one of RWJF’s program areas using secondary data analysis. Eligible scholars include individuals from ethnic or racial minorities or low-income communities, first-generation college graduates, or others who historically have been underrepresented in research disciplines that RWJF supports.</td>
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<th>Fulbright-Hays Doctoral Dissertation Research Abroad (DDRA) Fellowship</th>
<th>Nov. 13</th>
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<tr>
<td>Purpose of Program: The Fulbright-Hays Doctoral Dissertation Research Abroad (DDRA)</td>
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**Fellowship Program** provides opportunities to doctoral candidates to engage in full-time dissertation research abroad in modern foreign languages and area studies. The program is designed to contribute to the development and improvement of the study of modern foreign languages and area studies in the United States.

**Enduring Questions: Pilot Course Grants**  
The purpose of the Enduring Questions grant program is to encourage faculty and students at the undergraduate level to grapple with the most fundamental concerns of the humanities, and to join together in deep, sustained programs of reading in order to encounter influential thinkers over the centuries and into the present day. Enduring questions are, to an overarching degree, pre-disciplinary. They are questions to which no discipline or field or profession can lay an exclusive claim. Enduring questions can be tackled by reflective individuals regardless of their chosen vocations, areas of expertise, or personal backgrounds. They are questions that have more than one plausible or interesting answer.

**American Council of Learned Societies - Henry Luce Foundation/ ACLS Grants to Individuals in East Asian Archaeology and Early History**  
ACLS invites applications for the second annual competition for grants to individuals in the Archaeology and Early History of East Asia. This program is undertaken in cooperation with the Henry Luce Foundation. Research fellowships and training grants will be awarded for study of the peoples and cultures of early East Asia. Comparative projects and those that build scholarly networks are especially encouraged. Proposals may cover prehistoric or historical periods, but must focus on research or training that involves excavations and/or excavated materials. For the purposes of this program, "East Asia" refers to northeast Asia (China, Hong Kong, Japan, Korea, Macau, Mongolia, and Taiwan) and southeast Asia (Brunei, Burma/Myanmar, Cambodia, Indonesia, Laos, Malaysia, Philippines, Singapore, Thailand, and Vietnam).

**Ford Foundation Diversity Fellowships, 2009 fellowships competition is NOW OPEN**  
[http://www7.nationalacademies.org/fordfellowships/](http://www7.nationalacademies.org/fordfellowships/)  
The Ford Foundation Diversity Fellowships seek to increase the diversity of the nation’s college and university faculties by increasing their ethnic and racial diversity, to maximize the educational benefits of diversity, and to increase the number of professors who can and will use diversity as a resource for enriching the education of all students. To facilitate this goal the Fellowship grants awards at the Predoctoral, Dissertation and, Postdoctoral levels to students who demonstrate excellence, a commitment to diversity and a desire to enter the professoriate. The Fellowship makes the following annual awards:  
Approximately 60 Predoctoral Awards at $20,000 per year for up to three years (**Due Nov. 14**).  
Approximately 35 Dissertation Awards at $21,000 for one year (**Due Nov. 28**).  
Approximately 20 Postdoctoral Awards at $40,000 for one year (**Due Nov. 28**).  
**New**  
**OPD Suggested Ford Development Resources**  

**Council for International Exchange of Scholars - Fulbright New Century Scholars**  
[http://www.cies.org/NC/ncs_description.htm](http://www.cies.org/NC/ncs_description.htm)  
The Bureau of Educational and Cultural Affairs of the US Department of State has announced the competition for the sixth Fulbright New Century Scholars Program (NCS). The 2009 program will focus on the role of higher education in national and global economic development with a specific focus on “The University as Innovation Driver and Knowledge Center.”
| **Joint Research Grants**  
http://egypt.usembassy.gov/usegypt/grants.htm | Nov. 15 |
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<td>This grant is available for experts from U.S. and Egyptian scientific institutes, universities, scientific societies, private sector research and development centers, and governmental agencies interested in working on a joint research projects. Individuals in either country may initiate proposals that are designed to support the add-on costs of bilateral cooperation. Joint Research Grants also known as Dual Research Grants should be also developed by interested experts of both countries. Ideally the Egyptian and U.S. participants will already be familiar with each other or enjoy a working relationship. This prior collaboration should be evident in the proposal or in attachments of supporting correspondence Research Area. The joint Board will entertain proposals from a range of fields including: Biotechnology, Environmental Technologies, Information Technologies, Standards &amp; Metrology, Manufacturing Technologies, Energy, Other Social Sciences.</td>
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| **Advanced Detector Research Program**  
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<tr>
<td>The Office of High Energy Physics of the Office of Science (SC), U.S. Department of Energy, hereby announces its interest in receiving grant applications for support under its Advanced Detector Research Program. Applications should be from investigators who are currently involved in experimental high energy physics, and should be submitted through a U.S. academic institution. The purpose of this program is to support the development of the new detector technologies needed to perform future high energy physics experiments.</td>
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| **NEH Scholarly Editions**  
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<td>Scholarly Editions Grants support the preparation of editions 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 and one other staff member. Grants typically support editions of significant literary, philosophical, and historical materials, but other types of work, such as musical notation, are also eligible. Contact the staff of NEH's Division of Research Programs at 202-606-8200 and <a href="mailto:editions@neh.gov">editions@neh.gov</a>.</td>
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| **Regional Integrated Pest Management Competitive Grants Program - Southern Region**  
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<tr>
<td>The Regional IPM Competitive Grants Program (RIPM) supports the continuum of research and extension efforts needed to increase the implementation of IPM methods. The RIPM program supports projects that develop individual pest control tactics, integrate individual tactics into an IPM system, and develop and implement extension and education programs. The program is administered by the land-grant university system's four regional IPM Centers (North Central, Northeastern, Southern, Western) in partnership with CSREES.</td>
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| **Social Science Research Council - Academia in the Public Sphere: Islam and Muslims in World Contexts**  
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<td>SSRC accepts applications for small grants intended to promote public engagement and public scholarship among university faculty and area studies centers on the topic of Islam and Muslims in world contexts. The program supports the development of scholarship that can be made available as a public resource, and the grants are available to all Title VI National Resource Centers funded by the Department of Education. Applicants may seek up to $50,000 per center, while collaborative projects involving multiple centers may request up to $100,000. The activities funded by the grants may include the development of communications infrastructure,</td>
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programming that enables partnerships between scholars and advocacy groups or other community organizations, and projects that engage new and traditional media.

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<tr>
<th>Alfred P. Sloan Foundation, Research on U.S. Science and Engineering Workforce</th>
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<tr>
<td><strong><a href="http://www.phds.org/content/grants-for-research-on-the-science-and-engineering-workforce">http://www.phds.org/content/grants-for-research-on-the-science-and-engineering-workforce</a></strong></td>
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<tr>
<td><strong><a href="http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=5292">http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=5292</a></strong></td>
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<tr>
<td>The Alfred P. Sloan Foundation is pleased to announce the second round of its small grants program to support creative research on the U.S. workforce and labor markets in science and engineering (“S&amp;E”). In the second round of this research competition, the Foundation wishes especially to encourage proposals that focus on the complex nexus between the U.S. science and engineering workforce and international migration. Submissions and inquiries should be addressed to: Michael S. Teitelbaum, Vice President, Research Awards on the U.S. Science and Engineering Workforce. Alfred P. Sloan Foundation, 630 Fifth Avenue, Suite 2550, New York, NY 10111. Phone: 212-649-1649; Fax: 212-757-5117; E-mail: <a href="mailto:Teitelbaum@sloan.org">Teitelbaum@sloan.org</a></td>
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<th>Materials World Network: Cooperative Activity in Materials Research between US Investigators and their Counterparts Abroad (MWN)</th>
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<td>Continued progress in fundamental materials and condensed matter research is increasingly dependent upon collaborative efforts among different disciplines, as well as closer coordination among funding agencies and effective partnerships involving universities, industry, and national laboratories. In addition, because of the growing interdependence of the world’s economies, partnerships are important not only at the national level but from an international point of view as well. The National Science Foundation is working jointly with counterpart national, regional and multinational funding organizations worldwide to enhance opportunities for collaborative activities in materials research and education between US investigators and their colleagues abroad. This solicitation describes an activity to foster opportunities for such collaborations. It includes joint activities between NSF and funding organizations in Africa, the Americas, Asia, and Europe. Proposals submitted to NSF in response to this solicitation must have clear relevance to research supported by the NSF Division of Materials Research (DMR), as they will be evaluated within the context of programmatic areas within DMR: condensed matter physics, solid state and materials chemistry, polymers, biomaterials, metals, ceramics, electronic materials, and condensed matter and materials theory.</td>
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<th>Novel Approaches for Assessing Exposure for School-Aged Children in Longitudinal Studies</th>
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<td><strong><a href="http://es.epa.gov/ncer/rfa/2008/2008_star_novelapproaches.html">http://es.epa.gov/ncer/rfa/2008/2008_star_novelapproaches.html</a></strong></td>
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<tr>
<td>The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is soliciting applications proposing research to develop and evaluate novel, innovative approaches for classifying exposure for children 2 to &lt;11 years of age to toxic chemicals in their environment for use in large-scale longitudinal exposure assessment and epidemiological studies.</td>
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<th>Arctic Research Opportunities  Arctic Natural Sciences; Arctic Social Sciences; Arctic System Science; and Arctic Observing Networks</th>
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<td>Important revisions to the program descriptions, proposal preparation instructions and review criteria are included in this solicitation and should be read carefully by all proposers.</td>
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<th>Dynamics of Coupled Natural and Human Systems</th>
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OPD Research Funding Opportunities Newsletter, November 2008, Page 23/59 (MikeCronan@tamu.edu)
The Dynamics of Coupled Natural and Human Systems competition promotes quantitative, interdisciplinary analyses of relevant human and natural system processes and complex interactions among human and natural systems at diverse scales. The Dynamics of Coupled Natural and Human Systems (CNH) is a multidirectorate program jointly operated by three NSF directorates (Biological Sciences; Geosciences; and Social, Behavioral, and Economic Sciences).

**Collaborative Studies on Systems Biology of Complex Phenotypes (R01)**


The National Institute of General Medical Sciences (NIGMS) invites applications for collaborative research projects that use systems biology approaches to investigate the mechanisms that underlie genetic determination of complex phenotypes. These projects will combine quantitative modeling approaches and experimental validation of predictive models. It is expected that a team of at least two principal investigators (PIs), one with expertise in systems biology and the other with expertise in the genetics of humans or model organisms, will apply for funding under this FOA. Applications from a single investigator or that propose solely data production and accumulation will be considered non-responsive and will not be reviewed.

**International Cooperative Biodiversity Groups (ICBG)**


The National Institutes of Health, the National Science Foundation, and the U.S. Department of Energy (hereafter "the Government" or "the Participating Agencies") invite applications for the establishment or continuation of "International Cooperative Biodiversity Groups" to address the interdependence of biodiversity exploration for potential applications in health and energy, with investments in research capacity that support sustainable use of these resources, the knowledge to conserve them and equitable partnership frameworks among research and development organizations in the U.S. and low and middle income countries. This competition of the International Cooperative Biodiversity Groups (ICBG) program, continues several new emphases that began with the previous RFA (TW-08-003), including an emphasis on microbial and marine organisms, some changes in target health areas, greater involvement of funded consortia with government contract resources, greater use of molecular and genomic tools, and the opportunity to integrate energy-related discovery research into projects.

**NSF Doctoral Dissertation Improvement Grants, Directorate for Biological Sciences**


The National Science Foundation awards Doctoral Dissertation Improvement Grants in selected areas of the biological sciences. These grants provide partial support of doctoral dissertation research to improve the overall quality of research. Allowed are costs for doctoral candidates to participate in scientific meetings, to conduct research in specialized facilities or field settings, and to expand an existing body of dissertation research.

**Department of Justice - NIJ FY09 Graduate Research Fellowship**

http://www07.grants.gov/search/search.do?&mode=VI EW&flag2006=false&oppl d=

Seeks applications for the NIJ FY09 Graduate Research Fellowship Grant program. This program furthers the Department's mission by sponsoring research to provide objective, independent, evidence-based knowledge and tools to meet the challenges of crime and justice, particularly at the State and local levels. The Graduate Research Fellowship is an NIJ annual program that provides dissertation research support to outstanding doctoral students undertaking independent research on issues related to crime and justice. Students from any academic discipline are encouraged to apply and propose original research that has direct implications for criminal justice.

**Postdoctoral Fellowships For Achieving Excellence in College and University Teaching**

Nov. 28
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<th><strong>High Performance Computing System Acquisition: Petascale Computing Environment</strong></th>
<th>Nov. 28</th>
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<td>NSF’s five-year goal for high performance computing (HPC) is to enable petascale science and engineering through the deployment and support of a world-class HPC environment comprising the most capable combination of HPC assets available to the academic community.</td>
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<tr>
<th><strong>American Society for Mass Spectrometry (ASMS) Research Award</strong></th>
<th>Nov. 30</th>
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<td>OBJECTIVE. To promote academic research by young scientists in mass spectrometry. ELIGIBILITY. Open to academic scientists within four years of joining the tenure track faculty or equivalent in a North American university. Applicants may not have previously received an award under this program. FISCAL. The awards of $25,000 each will be made to a university in the name of the selected individual and for the researcher's exclusive use. In accepting this award, the institution will agree not to charge overhead on the funds. INFORMATION. Contact ASMS. Telephone: (505) 989-4517 Fax: (505) 989-1073 <a href="mailto:office@asms.org">office@asms.org</a></td>
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<th><strong>December (Top)</strong></th>
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<td><strong>American Association of University Women - International Fellowships (for non US citizens)</strong></td>
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<td><a href="http://www.aauw.org/fga/fellowships_grants/international.cfm">http://www.aauw.org/fga/fellowships_grants/international.cfm</a></td>
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<td>International Fellowships are awarded for full-time study or research in the United States to women who are not United States citizens or permanent residents. Both graduate and postgraduate study at accredited institutions are supported. Several fellowships are available for study outside of the U.S.</td>
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<th><strong>Computational Mathematics</strong></th>
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<td>Supports mathematical research in areas of science where computing plays a central and essential role, emphasizing algorithms design, numerical methods and their analysis, and symbolic methods. The prominence of computation in the research is a hallmark of the program. Proposals ranging from single-investigator projects that develop and analyze innovative computational methods to interdisciplinary team projects that not only create new mathematical and computational techniques but use them to model, study, and solve important application problems are encouraged.</td>
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<th><strong>Wenner-Gren Foundation for Anthropological Research</strong></th>
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Conference and Workshop Grants are for amounts up to $15,000. In accordance with the mission of the Foundation, priority is given to events that foster the creation of an international community of research scholars in anthropology and advance significant and innovative anthropological research.

**Society of Toxicology (SOT) - Student Research Internships in Toxicology**

http://209.183.221.234/ai/ee/sri.asp

The Society of Toxicology (SOT) invites applications for the Student Research Internships in Toxicology, which enable selected students to extend their scientific education toward solving problems related to the effects of a wide variety of toxicants on living systems. Internships are available throughout the US in industrial, academic, and government laboratories. Interns receive financial support, and may be eligible for travel reimbursement.

**Luce (Henry) Foundation - Luce Scholars Program (for Study in Asia)**

http://www.hluce.org/lsprogram.aspx

The Luce Scholars Program provides stipends and internships for eighteen young Americans to live and work in Asia each year. Dating from 1974, the program's purpose is to increase awareness of Asia among future leaders in American society. Luce Scholars have backgrounds in virtually any field other than Asian studies—including medicine, the arts, business, law, science, environmental studies, and journalism. Placements can be made in the following countries in East and Southeast Asia: Brunei, Cambodia, China and Hong Kong, Indonesia, Japan, Laos, Malaysia, Mongolia, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam.

**Emerging Frontiers In Research And Innovation 2009 (EFRI-2009)**


The Directorate for Engineering at the National Science Foundation has established the Office of Emerging Frontiers in Research and Innovation (EFRI) to serve a critical role in focusing on important emerging areas in a timely manner. The EFRI Office is launching a new funding opportunity for interdisciplinary teams of researchers to embark on rapidly advancing frontiers of fundamental engineering research. For this solicitation, we will consider proposals that aim to investigate emerging frontiers in the following two specific research areas: (1) BioSensing & BioActuation: Interface of Living and Engineered Systems (BSBA), and (2) Hydrocarbons from Biomass (HyBi). EFRI seeks proposals with transformative ideas that represent an opportunity for a significant shift in fundamental engineering knowledge with a strong potential for long term impact on national needs or a grand challenge.

**Advanced Detector Research Program**


The Office of High Energy Physics of the Office of Science (SC), U.S. Department of Energy, hereby announces its interest in receiving grant applications for support under its Advanced Detector Research Program. Applications should be from investigators who are currently involved in experimental high energy physics, and should be submitted through a U.S. academic institution. The purpose of this program is to support the development of the new detector technologies needed to perform future high energy physics experiments.

**Federal Cyber Service: Scholarship for Service (SFS)**


The Federal Cyber Service: Scholarship for Service (SFS) program seeks to increase the number of qualified students entering the fields of information assurance and computer security and to increase the capacity of the United States higher education enterprise to continue to produce
professionals in these fields to meet the needs of our increasingly technological society.

**Fulbright-Hays Faculty Research Abroad (FRA) Fellowship Program (attached pdf)**

*http://www.grants.gov/search/search.do;jsessionid=L1nMjYBIyKGDTyv2pxSmvpjPF04jgHPnZ32wk4Jnht3bbdGNrk6l261671221?oppId=43182&flag2006=false&mode=VIEW*

The Fulbright-Hays Faculty Research Abroad Fellowship Program offers opportunities to faculty of Institutions of Higher Education (IHEs) to engage in research abroad in modern foreign languages and area studies.

**Disparities in Perinatal Health-U.S./Mexico Border, Alaska and Hawaii**


To apply programs must target a Community/geographic area(s) with disparate perinatal indicators (such as inadequate prenatal care, anemia) that can contribute to infant mortality. The selected communities must be within 62 miles of the U.S.-Mexican border or be in Alaska or Hawaii. Funding would be made available to projects which have: 1) significant disparities in perinatal indicators which contribute to high infant mortality rates, among one or more subpopulations; 2) A planned or existing active consortia of stakeholders which have underway, a perinatal disparity reduction initiative and, 3) a feasible plan to reduce barriers, improve the local perinatal system of care, and work towards eliminating existing disparities in perinatal health. These sites must have or plan to implement/adapt Healthy Start strategies of consortium, case management, and outreach services in a culturally and linguistically sensitive manner. In addition, they must demonstrate existing/planned collaborations with key State and local services and resources systems. Under this program, grants will be awarded to address significant disparities in perinatal health indicators in communities within 62 miles of the U.S. Mexico border or in Alaska and Hawaii. Communities must provide a scope of project services that will cover pregnancy and interconceptional phases for women and infants residing in the proposed project area. Services are to be given to both mother and infant for two years following delivery to promote longer interconceptional periods and prevent relapses of unhealthy risk behaviors.

**Healthy Start Initiative-Eliminating Racial/Ethnic Disparities**

*https://grants.hrsa.gov/webExternal/FundingOppDetails.asp?FundingCycleId=3A51DA09-3CE4-4215-ADFE-FA6CDC4975CE&ViewMode=EU&GoBack=&PrintMode=&OnlineAvailabilityFlag=&pageNumberOf=&version=&NC=&Popup=

Under this program, grants will be awarded to address significant disparities in perinatal health indicators: Eliminating Disparities In Perinatal Health focuses on disparities among Hispanics, Americans Indians, African Americans, Alaska Natives, Asian/Pacific Islanders, Immigrant Populations, or differences occurring by education, income, disability, or living in rural-isolated areas by enhancing a community's service system. Communities must provide a scope of project services that will cover pregnancy and interconceptional phases for women and infants residing in the proposed project area. Services are to be given to both mother and infant for two years following delivery to promote longer interconceptional periods and prevent relapses of unhealthy risk behaviors. Funding would be made available to projects which have: 1) significant disparities in perinatal indicators which contribute to high infant mortality rates, among one or more subpopulations; 2) A planned or existing active consortia of stakeholders which have underway, a perinatal disparity reduction initiative and, 3) a feasible plan to reduce barriers, improve the local perinatal system of care, and work towards eliminating existing disparities in perinatal health. These sites must have or plan to implement/adapt Healthy Start strategies of consortium, case management, and outreach services in a culturally and linguistically sensitive manner. In addition,
they must demonstrate existing/planned collaborations with key State and local services and resources systems.

**Data Gathering for Dissertation and Early Career Research on the Pollution Control Aspects of Environmental Economics**

[http://yosemite.epa.gov/ee/epa/eed.nsf/webpages/GrantSolicitations.html](http://yosemite.epa.gov/ee/epa/eed.nsf/webpages/GrantSolicitations.html)

The EPA's National Center for Environmental Economics (NCEE) supports leading-edge research to stimulate the sound use of economics that fulfills EPA's mission to protect human health and safeguard the natural environment. NCEE and its predecessors have long sponsored research to improve the data and methods available to determine the economic value of improved pollution control and other aspects of environmental economics. Much of the resulting research can be found on the NCEE Website at [http://yosemite.epa.gov/epa/eed.nsf/webpages/EnvironmentalEconomicsReports.html](http://yosemite.epa.gov/epa/eed.nsf/webpages/EnvironmentalEconomicsReports.html). The Environmental Protection Agency's National Center for Environmental Economics (NCEE) is soliciting proposals for Federal assistance for (1) conducting research on the “Design of Policies for Pollution Control Using Market Mechanisms” and for (2) research support for “Data Gathering for Dissertation and Early Career Research on the Pollution Control Aspects of Environmental Economics”.

**Summer Institute for Training in Biostatistics II (T15)**


The National Heart, Lung and Blood Institute and the National Center for Research Resources (NCRR) invite applications for training grants to develop, conduct, and evaluate summer courses in the basic principles and methods of biostatistics as employed in biomedical research. The courses will introduce advanced undergraduate students and beginning graduate students to the field of biostatistics for the purpose of encouraging them to pursue careers in biostatistics. The courses will cover the fundamental concepts of probability, statistical reasoning and inferential methods motivated, in part, by examples that include data collected in studies of heart, lung, blood, and sleep disorders. The courses will be taught during the summers of 2010, 2011, 2012 with appropriate modifications or refinements following each of the first two summer sessions.

**Sandia National Laboratories President Harry S. Truman Fellowship in National Security Science and Engineering**


Sandia National Laboratories announces the establishment of the President Harry S. Truman Fellowship in National Security Science and Engineering to attract the best nationally recognized new Ph.D. scientists and engineers. The Fellowship provides the opportunity for recipients to pursue independent research of their own choosing that supports the national security mission of Sandia National Laboratories. Truman Fellowship candidates are expected to have solved a major scientific or engineering problem in their thesis work or will have provided a new approach or insight to a major problem, as evidenced by a recognized impact in their field.

**ONR Summer Faculty Research Program and Sabbatical Leave Program**

[http://www.asee.org/fellowships/summer/index.cfm](http://www.asee.org/fellowships/summer/index.cfm)

The Office of Naval Research (ONR) sponsors the Summer Faculty Research Program and the Sabbatical Leave Program for US citizens and legal permanent residents who hold teaching or research appointments at US colleges and universities. These programs provide an opportunity for faculty members to participate in research of mutual interest to the faculty member and professional peers at U.S. Navy Laboratories. The Sabbatical Leave Program provides fellowship appointments for a minimum of one semester to a maximum of one year in length. Participants in the Sabbatical Leave Program receive a monthly stipend making up the difference between salary...
and sabbatical leave pay from their home institution. Relocation and travel assistance are provided to qualifying participants. Both programs are residential and all work must be completed on site at the sponsoring US Navy Laboratory.

**East Asia and Pacific Summer Institutes for U.S. Graduate Students (EAPSI)**


The East Asia and Pacific Summer Institutes (EAPSI) provide U.S. graduate students in science and engineering: 1) first-hand research experiences in Australia, China, Japan, Korea, New Zealand, Singapore or Taiwan; 2) an introduction to the science, science policy, and scientific infrastructure of the respective location; and 3) an orientation to the society, culture and language. The primary goals of EAPSI are to introduce students to East Asia and Pacific science and engineering in the context of a research setting, and to help students initiate scientific relationships that will better enable future collaboration with foreign counterparts. All institutes, except Japan, last approximately eight weeks from June to August. Japan lasts approximately ten weeks from June to August (specific dates are available and updated at www.nsf.gov/eapsi).

**Dec. 9**

**Broad Agency Announcement for Conferences, Workshops, and/ or Meetings**


EPA is interested in supporting scientific and technical research conferences that address the following research program areas: (1) human health; (2) ecosystems; water and security; (3) economics and sustainability; (4) air and global climate change; and (5) technology.

**Dec. 10**

**Ecology of Infectious Diseases (EID)**


The Ecology of Infectious Diseases program solicitation supports the development of predictive models and the discovery of principles governing the transmission dynamics of infectious disease agents. To that end, research proposals should focus on understanding the ecological and socio-ecological determinants of transmission by vectors or abiotic agents, the population dynamics of reservoir species, the transmission to humans or other hosts, or the cultural, social, behavioral, and economic dimensions of disease communication. Research may be on zoonotic, vector-borne or enteric diseases of either terrestrial, freshwater, or marine systems and organisms, including diseases of non-human animals and plants, at any scale from specific pathogens to inclusive environmental systems. Proposals for research on disease systems of public health concern to developing countries are strongly encouraged. Investigators are encouraged to include links to the public health research community, including for example, participation of epidemiologists, physicians, veterinarians, medical social scientists, medical entomologists, virologists, or parasitologists.

**Dec. 10**

**NSF/DOE Partnership in Basic Plasma Science and Engineering**

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5602

The NSF/DOE Partnership in Basic Plasma Science and Engineering funds research in the fundamental physics of plasmas. The types of phenomena investigated include transport in plasmas in confined magnetic structures, non-neutral plasmas in traps, dusty plasmas in laboratory configurations, and high-field laser-plasma interactions, including research in high-energy-density physics involving laser-produced plasmas. Both theoretical and experimental research is included.

**Dec. 11**

**EPA Research Opportunities Fellowships for Undergraduate Environmental Study**


The U.S. Environmental Protection Agency (EPA), as part of its Greater Research Opportunities (GRO) program, is offering Greater Research Opportunities (GRO) undergraduate fellowships for bachelor level students in environmental fields of study. The deadline for receipt of pre-
Office of Proposal Development (http://opd.tamu.edu), Texas A&M University

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<th>Application Deadline</th>
<th>Description</th>
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<td>December 11, 2008 at 4:00 PM Eastern Time</td>
<td>Subject to availability of funding, the Agency plans to award approximately 20 new fellowships by July 31, 2009. Eligible students will receive support for their junior and senior years of undergraduate study and for an internship at an EPA facility during the summer between their junior and senior years. The fellowship provides up to $19,250 per year of academic support and up to $8,000 of internship support for a three-month summer period.</td>
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</table>
| December 12 | Fusion Simulation Program  
The Office of Fusion Energy Sciences (OFES) and the Office of Advanced Scientific Computing Research (OASCR) of the Office of Science (SC), U.S. Department of Energy (DOE), hereby announce their interest in receiving Cooperative Agreement applications for carrying out a detailed planning study for the Fusion Simulation Program (FSP). The goal of the FSP is to develop a world-leading, experimentally validated, predictive simulation capability for fusion plasmas in the regimes and geometries relevant for practical fusion energy. To accomplish this objective, the FSP will take advantage of the emergence of petascale computing capabilities and the scientific knowledge enabled by the OFES and OASCR research programs, in particular those under the auspices of the Scientific Discovery through Advanced Computing (SciDAC) program. |
| December 15 | 2009-2010 Fellowships at The Huntington  
The Huntington is an independent research center with holdings in British and American history, literature, art history, and the history of science and medicine. The Library collections range chronologically from the eleventh century to the present and include a half-million rare books, nearly six million manuscripts, 800,000 photographs, and a large ephemera collection, supported by a half-million reference works. The Burndy Library consists of some 67,000 rare books and reference volumes in the history of science and technology, as well as an important collection of scientific instruments. Within the general fields listed above there are many areas of special strength, including: Middle Ages, Renaissance, Eighteenth Century, Nineteenth- and Twentieth-Century Literature, British Drama, Colonial America, American Civil War, Western America, and California. The Huntington will award to scholars over one hundred fellowships for the academic year 2009-2010. These fellowships derive from a variety of funding sources and have different terms. Recipients of all fellowships are expected to be in continuous residence at The Huntington and to participate in and make a contribution to its intellectual life. |
| December 15 | American Association of University Women - Career Development Grants  
[http://www.aauw.org/fga/fellowships_grants/career_development.cfm](http://www.aauw.org/fga/fellowships_grants/career_development.cfm)  
AAUW Career Development Grants support women who hold a bachelor's degree and are preparing to advance their careers, change careers, or re-enter the work force. Special consideration is given to AAUW members, women of color, and women pursuing their first advanced degree or credentials in nontraditional fields. Grants provide support for course work beyond a bachelor's degree, including a master's degree, second bachelor's degree, or specialized training in technical or professional fields. Funds are available for distance learning. Course work must be taken at an accredited two- or four-year college or university, or at a technical school that is fully licensed or accredited by an agency recognized by the U.S. Department of Education. Funds are not available for doctoral-level work. |
| December 15 | Partner University Fund  
Grants provided by the Partner University Fund support research and graduate education partnerships between French and American Universities with emphasis placed on novel, innovative and, when relevant, interdisciplinary approaches that involve exchanges across national and... |
disciplinary boundaries. Applicants are expected to develop new or deeper partnerships through the collaboration. The PUF Grant Review Committee will value, when applicable, evidence of institutional commitment to the development of joint or dual degrees even when the partnership starts with simple shared teaching and research exchanges. PUF seeks to fund research and graduate education projects in all disciplines without exception. It also encourages interdisciplinary projects when relevant.

<table>
<thead>
<tr>
<th><strong>Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge (SPECA) Grants Program</strong></th>
<th>Dec. 15</th>
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<tbody>
<tr>
<td><a href="http://www.csrees.usda.gov/fo/educationchallengessecondaryhep.html">http://www.csrees.usda.gov/fo/educationchallengessecondaryhep.html</a> The purpose of the Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge (SPECA) Grants Program is to: enhance curricula in agricultural education; increase faculty teaching competencies; interest young people in pursuing higher education in order to prepare for scientific and professional careers in the food and agricultural sciences; promote the incorporation of agriscience and agribusiness subject matter into other instructional programs, particularly classes in science, business, and consumer education; facilitate joint initiatives by the grant recipient with other secondary schools, institutions of higher education that award an associate's degree, institutions of higher education that award a bachelor's degree, and nonprofit organizations supporting agriscience and agribusiness education, to maximize the development and use of resources, such as faculty, facilities, and equipment, to improve agriscience and agribusiness education; support other initiatives designed to meet local, State, regional, or national needs related to promoting excellence in agriscience and agribusiness education; and support current Agriculture in the Classroom programs for grades K-12.</td>
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<th><strong>Short-Term Travel Grants for Research in Central Asia, the Caucasus, and the Balkans</strong></th>
<th>Dec. 15; April 15</th>
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<tr>
<td><a href="http://www.nceeer.org/Programs/STTG/sttg.php">http://www.nceeer.org/Programs/STTG/sttg.php</a> The National Council for Eurasian and East European Research (NCEEER) invites proposals for its Title VIII Short-term Travel Grant Program for Research on Central Asia, the Caucasus, and the Balkans. This fellowship provides a maximum award of $3,000 for research on the countries of Central Asia, the Caucasus, and the Balkans. To qualify, applicants must be U.S.-based scholars or researchers holding a Ph.D., or individuals with comparable research experience in any discipline of the humanities and social sciences or other professional terminal graduate degree.</td>
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<tr>
<th><strong>2009-2010 Fellowships at The Huntington</strong></th>
<th>Dec. 15</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="http://www.huntington.org/ResearchDiv/Fellowships.html">http://www.huntington.org/ResearchDiv/Fellowships.html</a> The Huntington is an independent research center with holdings in British and American history, literature, art history, and the history of science and medicine. The Library collections range chronologically from the eleventh century to the present and include a half-million rare books, nearly six million manuscripts, 800,000 photographs, and a large ephemera collection, supported by a half-million reference works. The Burndy Library consists of some 67,000 rare books and reference volumes in the history of science and technology, as well as an important collection of scientific instruments. Within the general fields listed above there are many areas of special strength, including: Middle Ages, Renaissance, Eighteenth Century, Nineteenth- and Twentieth-Century Literature, British Drama, Colonial America, American Civil War, Western America, and California. <strong>The Huntington will award to scholars over one hundred fellowships for the academic year 2009-2010.</strong> These fellowships derive from a variety of funding sources and have different terms. Recipients of all fellowships are expected to be in continuous residence at The Huntington and to participate in and make a contribution to its intellectual life.</td>
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<tr>
<th><strong>Virginia Foundation for the Humanities</strong></th>
<th>Dec. 15</th>
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VFH is committed to humanities research in the public interest. The VFH Fellowship program offers time, space, and resources to scholars applying the tools of history, philosophy, ethics, cultural studies, and literary criticism to matters of public concern. The disciplines of economics, medicine, architecture, engineering, psychology, and the sciences have entered public consciousness and achieved public trust because they are seen as practical.

Science, Mathematics, And Research for Transformation Defense Scholarship  
[https://www.asee.org/smart/?CFID=4112792&CFTOKEN=95014704](https://www.asee.org/smart/?CFID=4112792&CFTOKEN=95014704)

Awardees will be announced in the spring of 2009 and funding will begin August 2009. Please continue to visit this site for updates. The Department of Defense (DoD) is proud to offer scholarships to undergraduate, master's and doctoral students who have demonstrated ability and special aptitude for training in Science, Technology, Engineering & Mathematics (STEM) fields. The DoD also offers them career opportunities to continue their research as civilian employees of a DoD laboratory after graduation. The Science, Mathematics, And Research for Transformation (SMART) Defense Scholarship for Service Program offers our nation's research leaders of tomorrow not only an education but rewarding career opportunities. Annual stipend ranging from $22,000-$39,000 depending on prior educational experience.

CHE-DMR-DMS Solar Energy Initiative (SOLAR)  

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; one must have demonstrated high expertise in chemistry, a second in materials research, and a third in mathematical sciences. The goal here is to create a new modality of linking the mathematical with the chemical and materials sciences to develop transformative paradigms in an area of much activity but largely incremental advances. Successful proposals will offer potentially transformative projects and new concepts based on the integrated expertise and synergy from the three disciplinary communities.

Science of Science and Innovation Policy (SciSIP)  

SciSIP underwrites fundamental research that creates new explanatory models, analytic tools and datasets designed to inform the nation’s public and private sectors about the processes through which investments in science and engineering (S&E) research are transformed into social and economic outcomes. SciSIP’s goals are to understand the contexts, structures and processes of S&E research, to evaluate reliably the tangible and intangible returns from investments in research and development, and to predict the likely returns from future R&D investments within tolerable margins of error and with attention to the full spectrum of potential consequences.

High-Performance Networks for Distributed Petascale Science  

The Office of Advanced Scientific Computing Research (ASCR) of the Office of Science (SC), U.S. Department of Energy (DOE), hereby announces its interest in receiving grant applications for research and development projects in high-capacity and high-performance networks to support distributed petascale science. Awards for this solicitation will be made in FY2009, subject to the availability of funds. The emergence of distributed petascale science in DOE, characterized by supercomputers that perform quadrillions of mathematical operations per second; large science experiments that generate petabyte-scale data; and large-scale scientific collaborations that are of National and International scale, have generated the need for a new generation of networks with unprecedented capabilities. The core capabilities of these networks include: 1) the ability to deliver multi-gigabits/sec - terabits/sec throughputs to high-end science applications; 2) the...
capability to dynamically provision on-demand bandwidth and circuit services to a variety of science applications across federated networks; and 3) the ability to diagnose faults, and to measure, monitor, and predict end-to-end performance of federated networks.

### 6th Annual P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet


The U.S. Environmental Protection Agency (EPA), as part of the P3 Award Program, is seeking applications proposing to research, develop, and design solutions to real world challenges involving the overall sustainability of human society. The P3 competition highlights the use of scientific principles in creating innovative projects focused on sustainability. The P3 Awards program was developed to foster progress toward sustainability by achieving the mutual goals of economic prosperity, protection of the planet, and improved quality of life for its people-- people, prosperity, and the planet – the three pillars of sustainability. The EPA offers the P3 competition in order to respond to the technical needs of the world while moving towards the goal of sustainability. Please see the P3 website ([http://www.epa.gov/P3](http://www.epa.gov/P3)) for more details about this program.

### The Mouse Gene Development Initiative (R01)


This funding opportunity announcement (FOA), requests research grant applications that propose to 1) map traits associated with addiction by varying environmental factors at different states of development across inbred strains of mice including using, but not limited to, selective breeding strategies, recombinant inbred mice, the collaborative cross, and haplotype associative mapping with inbred strains; or 2) Identify epigenetic and genetic modifiers that under different environmental and developmental conditions produces different phenotypic outcomes in mice carrying a defined genetic variant, (e.g., knockout, CNVs). A separate paragraph in the section on Specific Requirements, Objectives, and Scope addresses the interest of NIAAA.

### Roadmap Transformative R01 Program (R01)


As part of the NIH Roadmap for Biomedical Research, the National Institutes of Health invites transformative Research Project Grant (R01) applications from institutions/organizations proposing exceptionally innovative, high risk, original and/or unconventional research with the potential to create new or challenge existing scientific paradigms. Projects must clearly demonstrate potential to produce a major impact in a broad area of biomedical or behavioral research. A major goal of the NIH is to foster bold and creative investigator-initiated research. While R01 grants support the bulk of mainstream NIH investigator-initiated efforts, the Transformative Research Projects Program (T-R01) is designed to provide a more flexible and engaging avenue for support of investigators testing novel concepts and truly transformative ideas.

### Irish American Cultural Institute - IACI/ NUI Visiting Fellowship

[http://www.iaci-usa.org/fellowship.html](http://www.iaci-usa.org/fellowship.html)

The IACI/NUI-Galway Visiting Fellowship in Irish Studies is made possible by joint funding from the Irish American Cultural Institute and the National University of Ireland - Galway. The Fellowship is granted to an Irish studies scholar, typically a resident of the United States, and provides a semester (4 months or more) at the National University of Ireland-Galway. The Fellowship includes a stipend of $13,000, transatlantic transportation, office accommodations, and visiting faculty status.

### Association of American Geographers Dissertation Research Grants


Dec. 31
The American Institute for Maghrib Studies Grants Program

The American Institute for Maghrib Studies (AIMS) announces its annual Grants Program for the academic year beginning in May 2009. The program offers grants to US scholars interested in conducting research on North Africa in any Maghrib country, specifically Morocco, Tunisia, Algeria, Libya, or Mauritania. AIMS sponsors three Overseas Research Centers in the region and all AIMS grants are categorized by where research will be conducted. AIMS does not fund research outside the Maghrib. These awards are made possible through grants from U.S. Department of State.

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<th>December 31</th>
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### January 2009 (Top)

**Integrated Design, Modeling, and Monitoring of Geologic Sequestration of Anthropogenic Carbon Dioxide to Safeguard Sources of Drinking Water**

The U.S. Environmental Protection Agency (EPA), as part of its Science To Achieve Results (STAR) program, is seeking applications to conduct research to support the development of sound risk management strategies for the underground injection of anthropogenic carbon dioxide (CO2) in candidate subsurface geologic formations. To further the scientific understanding of this practice, research is needed to investigate how integrating approaches in design, siting, modeling and monitoring of CO2 in the subsurface can provide safe and effective storage, mitigate potential risks, and prevent endangerment of existing and potential sources of drinking water.

| January 6 |

**2009 National Spatial Data Infrastructure Cooperative Agreement Program**

The purpose of the National Spatial Data Infrastructure Cooperative Agreements Program (NSDI CAP) is to fund innovative projects in the geospatial data community to build the infrastructure necessary to effectively discover, access, share, manage, and use digital geographic data. The NSDI consists of the technologies, policies, organizations, and people necessary to promote cost-effective production, and the ready availability and greater utilization of geospatial data among a variety of sectors, disciplines, and communities. Specific NSDI areas of emphasis include: metadata documentation, clearinghouse establishment, framework development, standards implementation, and geographic information system (GIS) organizational coordination. Since 1994, the Federal Geographic Data Committee (FGDC) has funded projects that advance the NSDI in partnership with the geospatial data community. The FGDC, now as part of the new National Geospatial Program Office (NGPO), will continue to support these projects.

| January 6 |

**Discovery Research K-12 (DR-K12)**

This revised Discovery Research K-12 (DR-K12) program solicitation has been restructured in order to clarify the call for proposals. The first major change is the elimination of the separate Contextual and Frontier strands in the previous solicitation. The DR-K12 program goal is to support projects along a continuum, from those that respond to immediate concerns and issues within the current educational context to those that anticipate education as it could be in future decades. The second major change is the consolidation of the five DR-K12 challenges in the previous solicitation into three, and the introduction of implementation studies as a fourth challenge. The four DR-K12 challenges now focus on assessment, STEM learning, teacher practice and implementation. The new implementation challenge calls for studies that examine how promising resources, models and technologies can be implemented, sustained, and scaled in the formal education settings they are intended to serve. The program scope has been broadened to

| January 8 |
include research and development at the preK level. In addition, new language encourages projects that support cyber-enabled learning and/or that hold promise to transform current educational practice and research.

### Multidisciplinary University Research Initiative (MURI)  
[https://www.onr.navy.mil/02/baa/](https://www.onr.navy.mil/02/baa/)

The MURI program supports basic science and/or engineering research at U.S. institutions of higher education (hereafter referred to as "universities") that is of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical concern to the DoD. The FY 2009 MURI competition is for the 32 topics listed below. Detailed descriptions of the topics can be found in Section VIII entitled, “Specific MURI Topics”, of this URL.

The detailed descriptions are intended to provide the proposer a frame of reference and are not meant to be restrictive to the possible approaches to achieving the goals of the topic and the program. Innovative ideas addressing these research topics are highly encouraged. The DoD Multidisciplinary University Research Initiative (MURI), one element of the University Research Initiative (URI), is sponsored by the DoD research offices: the Office of Naval Research (ONR), the Army Research Office (ARO), and the Air Force Office of Scientific Research (AFOSR) (hereafter collectively referred to as "DoD agencies").

### NEA Literature Fellowships: Translation Projects, FY2010  
[http://www.arts.gov/grants/apply/LitTranslation/index.html](http://www.arts.gov/grants/apply/LitTranslation/index.html)

Through fellowships to published translators, the Arts Endowment supports projects for the translation of specific works of prose, poetry, or drama from other languages into English. We encourage translations of writers and of work which are not well represented in English translation. All proposed projects must be for creative translations of published literary material into English. The work to be translated should be of interest for its literary excellence and value. Priority will be given to projects that involve work that has not yet been translated into English. Application materials are available online only. The deadline is January 9, 2009. Grants are for $12,500 or $25,000, depending upon the artistic excellence and merit of the project. If you have questions concerning the Literature Fellowships please call the Literature Fellowship Hotline at 202/682-5034 or email davisg@arts.gov.

### J R Peace Scholar Dissertation Program  
[http://www.usip.org/fellows/scholars.html](http://www.usip.org/fellows/scholars.html)

The Jennings Randolph Program for International Peace awards nonresidential Peace Scholar Dissertation Fellowships to students at U.S. universities who are writing doctoral dissertations on topics related to peace, conflict, and international security.

### American Association of University Women - Selected Professions Fellowships  
[http://www.aauw.org/education/fga/fellowships_grants/selected.cfm](http://www.aauw.org/education/fga/fellowships_grants/selected.cfm)

At the AAUW Educational Foundation, Selected Professions Fellowships are awarded to women who intend to pursue a full-time course of study at accredited U.S. institutions during the fellowship year in one of the designated degree programs where women's participation traditionally has been low. Applicants must be U.S. citizens or permanent residents. Architecture (M.Arch, M.S.Arch); Computer/Information Sciences (M.S.); Engineering (M.E., M.S.); Mathematics/Statistics (M.S.).

### Newberry Library - Center for Renaissance Studies - Ecole Nationale des Chartes Exchange Fellowship (Short-Term Study in Paris)  
[http://www.newberry.org/renaissance/L3rrennaissance.html](http://www.newberry.org/renaissance/L3rrennaissance.html)

The Newberry Library Center for Renaissance Studies offers the Ecole Nationale des Chartes Exchange Fellowship (Short-Term Study in Paris) in the Center's ongoing collaboration with the Department of Medieval and Renaissance Studies at the University of Paris. The Newberry Library offers this fellowship in Paris for the study of written and material texts and images from antiquity to the end of the Middle Ages. The fellowship provides travel support as well as access to the Library's extensive collections of manuscripts, incunabula, maps, drawings, prints, and rare books, which迄今为止 have been the subject of numerous collaborative research projects between the Newberry and the University of Paris. The fellowship exchange year is July 2009 for Newberry residents and September 2009 for Paris residents. The closing date for applications is December 31, 2008.
Exchange Fellowship for graduate students. This fellowship provides a monthly stipend and free tuition for an American or Canadian graduate student to study at the École Nationale des Chartes in Paris for a period of three months during 2008-2009. The École des Chartes is the oldest institution in Europe specializing in the archival sciences, including paleography, bibliography, textual editing, and the history of the book. Preference will be given to students attending institutions that are members of the Center for Renaissance Studies Consortium.

**Fiscal Year 2009 ONR Young Investigator Program (YIP)**

http://www.grants.gov/search/search.do;jsessionid=L06PGmgr7WTn1S0NVT5k22x0rgdKJHKWBLwfv0V11tvYQgTjM5p0y!-1208134320?oppId=18452&flag2006=true&mode=VIEW

ONR’s Young Investigator Program seeks to identify and support academic scientists and engineers who have received Ph.D. or equivalent degrees within the last five years (on or after 01 November 2003 for this FY09 competition) and who show exceptional promise for doing creative research. The objectives of this program are to attract outstanding faculty members of Institutions of Higher Education (hereafter also called "universities") to the Department of the Navy's research program, to support their research, and to encourage their teaching and research careers. Proposals addressing research areas as described in the ONR Science and Technology (S&T) Department section of ONR's website at www.onr.navy.mil which are of interest to ONR Program Officers and Division Directors will be considered. Contact information for each Division (a subgroup of an S&T Department) is also listed within the S&T section of the website. Potential applicants may contact the appropriate Division Director, or the Program Officer who is the point-of-contact for a specific technical area, to discuss their research ideas. Brief informal pre-proposals may be submitted to facilitate these discussions. Such discussions can clarify the content and breadth of the priority research areas and enhance the match between a subsequent proposal and Department of the Navy research needs. An individual wishing to apply for a Young Investigator award must submit a research proposal and a supporting letter through the appropriate university officials. ONR makes awards to institutions, not to individuals.

**U.S. Nuclear Regulatory Commission Nuclear Education Grant Program Announcement of Opportunity, Fiscal Year 2009**

http://www.grants.gov/search/search.do;jsessionid=LvLPF6nyKg6npRLpc5cLZGmjTL7QdrSDSh!-1866462326?oppId=43025&flag2006=false&mode=VIEW

The NRC Nuclear Education Grant Program's primary purpose is supporting and developing the educational infrastructure necessary to allow the Nation to safely move its nuclear energy initiatives forward. The program promotes and strengthens teaching programs in nuclear safety, nuclear security, nuclear environmental protection, and other fields that the Commission determines to be critical to the NRC's regulatory mission by enhancing curricula and increasing faculty teaching competencies at higher education institutions. The NRC anticipates having up to $4.7 million available for this announcement. Projects may develop, revise, implement, or improve nuclear education infrastructure, teaching competencies, subject matter expertise, and skills in serving students in significant nuclear programs. Projects should identify innovative instructional approaches or techniques to enhance student learning, including distance education and experiential learning.

**National Science Foundation - Course, Curriculum, and Laboratory Improvement**


The NSF invites submission of proposals for Course, Curriculum, and Laboratory Improvement (CCLI). The CCLI program seeks to improve the quality of science, technology, engineering, and mathematics (STEM) education for all undergraduate students. The program supports efforts to
create, adapt, and disseminate new learning materials and teaching strategies, develop faculty expertise, implement educational innovations, assess learning and evaluate innovations, and conduct research on STEM teaching and learning. The program supports three types of projects representing three different phases of development, ranging from small, exploratory investigations to large, comprehensive projects.

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<tr>
<th>Research Initiation Grants to Broaden Participation in Biology (RIG BP)</th>
<th>Jan. 12</th>
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<tr>
<td>With the goal of broadening participation to all biologists including members from groups under-represented in biology, the Directorate for Biological Sciences (BIO) at NSF continues to offer Research Initiation Grants (RIG). Currently, African Americans, Hispanics, Native Americans, Alaska Natives, and Native Hawaiians and other Pacific Islanders are under-represented in biology. These grants are intended to increase the diversity of researchers who apply for and receive BIO funding to initiate research programs early in their careers.</td>
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<th>Krell Institute - Department of Energy Computational Science Graduate Fellowship</th>
<th>Jan. 14</th>
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<td>The Computational Science Graduate Fellowship (CSGF) is a program funded by the Department of Energy, the Office of Defense Programs, and the Office of Science. This program works to identify and provide support for some of the very best computational science graduate students in the nation. Fellowship holders’ program of study must include computer science; mathematics; and scientific or engineering discipline. Fellows are obligated to follow a program of study to include coursework in the all three of the preceding research areas and to do a practicum assignment at a DOE laboratory.</td>
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<tr>
<th>Knowles (Janet H. and C. Harry) Foundation - Teaching Fellowships</th>
<th>Jan. 14</th>
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| KSTF Teaching Fellowships support individuals with exceptional science and mathematics content knowledge who are committed to teaching high school in the United States. The teaching fellowships are renewable for up to five years and will begin on June 1, 2009.  
- Physical Science Teaching Fellowships support those with at least a bachelor's degree in a physical science (for example, physics, chemistry or astronomy) or engineering  
- Mathematics Teaching Fellowships support individuals with at least a bachelor's degree in mathematics or mathematical content preparation equivalent to a mathematics major  
- Biological Science Teaching Fellowships support individuals with at least a bachelor's degree in contemporary biology or other life science | |

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<th>Department of Defense - US Army Center of Military History Dissertation Fellowships</th>
<th>Jan. 15</th>
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<tr>
<td>The US Army Center of Military History (CMH) accepts applications for Dissertation Fellowships. The CMH supports scholarly research and writing among qualified civilian graduate students preparing dissertations in the history of warfare. The fellowships carry a $10,000 stipend and access to the Center's facilities and technical expertise.</td>
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<tr>
<th>Whitehall Foundation - Basic Biological Research Grants and Grants-in-Aid</th>
<th>Jan. 15</th>
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<tr>
<td>The Whitehall Foundation, through its program of Research Grants and Grants-in-Aid, assists scholarly research in the life sciences. It is the Foundation's policy to assist those dynamic areas of basic biological research that are not heavily supported by Federal Agencies or other foundations with specialized missions. Research Grants - Research grants are available to established scientists of all ages working at accredited institutions in the United States. Applications will be judged on the scientific merit and the innovative aspects of the proposal as</td>
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well as on the competence of the applicant. Research grants of up to three years will be provided. A renewal grant with a maximum of two years is possible, but it will be awarded on a competitive basis. Research grants will not be awarded to investigators who have already received, or expect to receive, substantial support from other sources, even if it is for an unrelated purpose. Research grants normally range from $30,000 to $75,000 per year. 

Grants-in-Aid - The Grants-in-Aid program is designed for researchers at the assistant professor level who experience difficulty in competing for research funds because they have not yet become firmly established. Grants-in-Aid can also be made to senior scientists. All applications will be judged on the scientific merit and innovative aspects of the proposal, as well as on past performance and evidence of the applicant’s continued productivity. Grants-in-Aid are awarded for a one-year period and do not exceed $30,000. 

**Deadlines:** Jan. 15, Apr. 15, Oct. 1 (REQUIRED letter of intent).

### National Science Foundation - Pan-American Advanced Studies Institutes Program


The Pan American Advanced Study Institutes (PASI) Program, is a jointly supported initiative between the Department of Energy (DOE) and the National Science Foundation (NSF). Pan American Advanced Studies Institutes are short courses of two to four weeks duration, involving lectures, demonstrations, research seminars and discussion at the advanced graduate and post-doctoral level. PASIs aim to disseminate advanced scientific and engineering knowledge and stimulate training and cooperation among researchers of the Americas in the mathematical, physical, and biological sciences, and in engineering fields. Whenever feasible, an interdisciplinary approach is recommended.

**Jan. 15**

### Graduate Women in Science Fellowships

[http://www.gwis.org/grants/default.htm](http://www.gwis.org/grants/default.htm)

The Guidelines for the SDE/GWIS Fellowships (SDE, Eloise Gerry, Vessa Notchev, and Nell I. Mondy Fellowships) are listed below. Following the Guidelines are links to the checklist and the single application form which is used for all SDE/GWIS Fellowships. It is unnecessary for applicants to designate specific Fellowships on the application form. The Fellowships committee will match the overall top-scoring applicants to the appropriate Fellowship awards based on scientific merit, fields of study and requested funding amounts. All Fellowships committee decisions are final. Please note that the application deadline is January 15 of each year, and awards will be announced on or before July 1 of the following year. Please direct any questions to the Fellowships Coordinator, Jennifer Ingram, fellowshipsquestions@gwis.org or (919) 668-1439.

**Jan. 15**

### Winterthur Research Fellowship Program

[http://www.winterthur.org/research/fellowship.asp](http://www.winterthur.org/research/fellowship.asp)

Winterthur invites academic, independent, and museum scholars, and advanced graduate students to apply for short and long-term residential research fellowships. Fellows have conducted research in the areas of material culture, architecture, decorative arts, design, consumer culture, garden and landscape studies, Shaker studies, travel and tourism, the Atlantic World, childhood, sentimental literary culture, and many other areas of social and cultural history.

**Jan. 15**

### Association for Institutional Research - Research Grants/ Dissertation Fellowships

[http://www.airweb.org/?page=818](http://www.airweb.org/?page=818)

The Association for Institutional Research (AIR), with support from the National Center for Educational Statistics (NCES), the National Science Foundation (NSF), and the National Postsecondary Education Cooperative (NPEC), sponsors a grant program: Improving Institutional Research in Postsecondary Educational Institutions. The goals of the program are to provide professional development opportunities to doctoral students, institutional researchers, educators
and administrators, and to foster the use of the federal databases for institutional research in postsecondary education. Funded fellowship projects promise a significant contribution to the national knowledge of the nature and operation of postsecondary education. Projects must use one or more of the national postsecondary education databases of NCES or NSF AND/OR focus on the area of student decisions, broadly defined, at all levels of postsecondary education.

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<tr>
<th>NIHAMS Building Interdisciplinary Research Team (BIRT) Revision Awards (R01)</th>
<th>LOI Jan. 19; full Feb. 19</th>
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<td>To promote interdisciplinary research, the NIAMS plans to provide up to 1 year of research revision support (formerly referred to as “competitive supplements”) to active NIAMS R01s (parent grants) to establish collaborations among groups of investigators with expertise in the specific areas listed below. The interdisciplinary collaboration should be basic and/or translational research with high innovation and potentially high impact in the specific NIAMS mission-relevant areas solicited in this FOA. It is understood that such an application may entail high risk. Teams developed under this award are expected to make significant advances beyond the progress expected from the individual researchers alone. Collaborations between scientific areas listed below are selected to pilot the NIHAMS BIRT awards and specifically solicited in this FOA.</td>
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<tr>
<th>Plant Genome Research Program (PGRP)</th>
<th>Jan. 20</th>
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<td>Four kinds of activity will be supported in FY 2009: (1) Genome-Enabled Plant Research (GEPR) awards to tackle major unanswered questions in plant biology on a genome-wide scale; (2) Transferring Research from Model Systems (TRMS) to apply basic biological findings made using model systems to studying the basic biology of plants of economic importance; (3) Tools and Resources for Plant Genome Research (TRPGR) awards to support development of novel technologies and analysis tools to enable discovery in plant genomics; and (4) Heterosis Challenge Grants (HCG) to support testing of hypotheses for the mechanism(s) of heterosis in plants. The PGRP encourages proposals from early career investigators and also considers proposals submitted to the CAREER program (<a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503214">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503214</a>). Early career investigators are strongly encouraged to contact a PGRP Program Director for further guidance.</td>
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<tr>
<th>Major Research Instrumentation Program (MRI)</th>
<th>Jan. 22 (4th Thurs.)</th>
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<tr>
<td>The Major Research Instrumentation Program (MRI) is designed to increase access to scientific and engineering equipment for research and research training in our Nation's organizations of higher education, research museums, and non-profit research organizations. This program seeks to improve the quality and expand the scope of research and research training in science and engineering, and to foster the integration of research and education by providing instrumentation for research-intensive learning environments. The MRI program encourages the development and acquisition of research instrumentation for shared inter- and/or intra-organizational use and in concert with private sector partners.</td>
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**OPD Suggested MRI Proposal Development Resources**

- **OPD Seminar on Instrumentation Programs (Top)**
  - [http://opd.tamu.edu/seminar-materials/seminar-materials-by-date/seminar-on-instrumentation-programs.html](http://opd.tamu.edu/seminar-materials/seminar-materials-by-date/seminar-on-instrumentation-programs.html)

- National Science Foundation's Major Research Instrumentation Program
  - [http://qemnetwork.qem.org/MRIPresentations.htm](http://qemnetwork.qem.org/MRIPresentations.htm)
### Short Courses on Mathematical, Statistical, and Computational Tools for Studying Biological Systems (R25)


This FOA issued by the National Institute of General Medical Sciences, the National Center for Complementary and Alternative Medicine, the National Institute on Aging and the National Institute of Mental Health encourages applications for Research Education Grants (R25) from institutions and organizations to conduct workshops and short courses to improve integration of mathematical, statistical, and computational approaches into biological and/or behavioral research. Support will be limited to activities that reach a wide audience of researchers. The program announcement is NOT intended for university course or curriculum development. The goal of this FOA is to prepare researchers at all professional levels for multidisciplinary research on complex biological systems and phenotypes by improving integration of mathematical, statistical, and computational approaches into biological and/or behavioral research. Progress in contemporary biological and behavioral disciplines depends heavily on investigators who are skilled in the use of mathematics, computation, and statistics (collectively referred to as quantitative methods). This is especially true for scientists engaged in multidisciplinary research, systems sciences, model development, and research on large and complex data sets. Many scientists wish to update their quantitative skills, learn new approaches, and/or become familiar with software and the language of quantitative sciences. They also need to understand the assumptions, advantages, and limitations of these approaches.

**Jan. 25**

### Multi-Disciplinary Basic Research in the Science of Autonomy with Naval Relevance

**[http://www.grants.gov/search/search.do;jsessionid=L3yPS01cDQQ2JYr15N4wSXbjC FYj vJ WCFqyGj6QytmY2xnwWTjhJ !- 25728156?oppId=18459&flag2006=true&mode=VIEW](http://www.grants.gov/search/search.do;jsessionid=L3yPS01cDQQ2JYr15N4wSXbjC FYj vJ WCFqyGj6QytmY2xnwWTjhJ !- 25728156?oppId=18459&flag2006=true&mode=VIEW)**

The ONR is seeking proposals that address basic science and engineering research in the science of autonomy at U.S. institutions of higher learning (hereafter referred to as “universities). The focus is on problems of critical interest to the Navy and Marine Corps. The research topics of interest are: (1) Human Collaboration and Interaction with Unmanned Systems, (2) Autonomous perception and intelligent decision making, (3) Scalable and robust distributed collaboration, and (4) Intelligent Architecture Enablers. Detailed descriptions of the research topics can be found below. The detailed descriptions are intended to provide the proposer a frame of reference and are not meant to be restrictive to the possible approaches to achieving the goals of the topic and the program. Innovative ideas addressing these research topics are highly encouraged. This BAA is focused on multi-disciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical interest to naval forces. Proposals from a team of university researchers may be warranted because the necessary expertise in addressing the multiple facets of the topics may reside in multiple universities.

**Jan. 29**

### Science, Technology, and Society


STS considers proposals that examine historical, philosophical, and sociological questions that arise in connection with science, engineering, and technology, and their respective interactions with society. STS has four components:

- Ethics and Values in Science, Engineering and Technology (EVS),
- History and Philosophy of Science, Engineering and Technology (HPS),
- Social Studies of Science, Engineering and Technology (SSS),
- Studies of Policy, Science, Engineering and Technology (SPS).

**Feb. 1**
The components overlap, but are distinguished by the different scientific and scholarly orientations they take to the subject matter, as well as by different focuses within the subject area. STS encourages the submission of hybrid proposals that strive to integrate research involving two or more of these core areas. STS provides the following modes of support:

- Scholars Awards,
- Standard Research Grants and Grants for Collaborative Research,
- Postdoctoral Fellowships,
- Professional Development Fellowships,
- Doctoral Dissertation Research Improvement Grants,
- Small Grants for Training and Research,
- Conference and Workshop Awards,
- Other Funding Opportunities.

### Guggenheim Foundation- Dissertation Fellowships for Research on Understanding Violence, Aggression, and Dominance

[http://www.hfg.org/](http://www.hfg.org/)

The Harry Frank Guggenheim Foundation (HFG) sponsors scholarly research on programs of violence, aggression, and dominance. The Foundation provides both Research Grants to established scholars and Dissertation Fellowships to graduate students during the dissertation writing year. HFG does not support institutions, programs, or pure intervention.

### Geological Society of America - Graduate Student Research Grants

[http://www.geosociety.org/grants/gradgrants.htm](http://www.geosociety.org/grants/gradgrants.htm)

The Geological Society of America provides Graduate Student Research Grants for partial support of master's and doctoral thesis research in geological sciences for graduate students at universities in the U.S, Canada, Mexico, and Central America. **Citizenship: unspecified.**

### Harry Ransom Center Seeks Applications for Research Fellowships in the Humanities

[http://www.hrc.utexas.edu/](http://www.hrc.utexas.edu/)

The Harry Ransom Humanities Research Center at the University of Texas at Austin (http://www.hrc.utexas.edu/) is accepting applications for its 2009-10 research fellowships in the humanities. About fifty fellowships are awarded annually by the Ransom Center to support scholarly research projects in all areas of the humanities. Priority is given to proposals that concentrate on the center's collections and that require substantial on-site use of them. All applicants, with the exception of those applying for dissertation fellowships, must be post-doctorates or possess an equivalent terminal degree or a substantial record of scholarly achievement. Independent scholars are encouraged to apply. The fellowships range from one to four months and come with a stipend of $3,000 per month. Also available are $1,200-$1,700 travel stipends and dissertation fellowships with a $1,500 stipend.

### Department of Energy - Global Change Education Program -- Graduate Research Environmental Fellowships

[http://www.atmos.anl.gov/GCEP/](http://www.atmos.anl.gov/GCEP/)


The U.S. Department of Energy's Office of Biological and Environmental Research (BER) has established the Global Change Education Program (GCEP) to promote undergraduate and graduate training in support of the Department's global change research activities. Global change research encompasses a wide variety of study areas, including atmospheric sciences, ecology, global carbon cycles, climatology, and terrestrial processes. Global change research is supported...
by BER through the Atmospheric Science Program (ASP), the Environmental Meteorology Program (EMP), the Atmospheric Radiation Measurement (ARM) Program, the Terrestrial Carbon Processes (TCP) effort, the Program for Ecosystem Research (PER), and studies carried out under the direction of the National Institute for Global Environmental Change (NIGEC). Other studies address integrated assessments, predictions, and policy, as well as paleoclimatology and earth system processes.

**Strategic Technology Office (STO) Broad Agency Announcement (BAA)**
The Defense Advanced Research Projects Agency's (DARPA) Strategic Technology Office (STO) is soliciting proposals under this Broad Agency Announcement (BAA) for the performance of research, development, design, and testing that directly supports Strategic Technology Office (STO). This includes Space and Near-Space Sensors and Systems; Strategic and Tactical Networks; Information Assurance; Counter Underground Facilities; Weapons of Mass Destruction (WMD) Defense; Small Unit Operations; Maritime Operations; and Core Strategic Technologies.

**Feb. 12**

**Broadening Participation Research Initiation Grants in Engineering (BRIGE)**
The Directorate for Engineering (ENG) at the National Science Foundation offers a research initiation grant funding opportunity with the goal of broadening participation to all engineers including members from groups underrepresented in the engineering disciplines. These grants are intended to increase the diversity of researchers in engineering disciplines to initiate research programs early in their careers, including those from underrepresented groups, engineers at minority serving institutions, and persons with disabilities. By providing these funding opportunities, ENG intends to further broaden participation of engineering researchers who share NSF's commitment to diversity in the following ways:

- Expand the population of role models who will interact with an increasingly diverse student population, the workforce of the future
- Increase the number of engineering researchers at minority serving institutions actively and competitively engaged in research as independent investigators, thereby creating new research opportunities for students from underrepresented groups
- Fund engineering research projects that use innovative ways to attract and retain members of underrepresented groups to careers in engineering

**Feb. 13**

**AAA Minority Dissertation Fellowship Program**
http://www.aaanet.org:80/committees/minority/minordis.htm
The American Anthropological Association invites minority doctoral candidates in anthropology to apply for a dissertation writing fellowship of $10,000.

**Feb. 15**

**Proactive Recruitment in Introductory Science and Mathematics (PRI SM)**
The goal of the program in Proactive Recruitment in Introductory Science and Mathematics is to strengthen the nation's scientific competitiveness by increasing the numbers of well-prepared, successful U.S. undergraduate majors and minors in science and mathematics. The program will fund innovative, potentially transformational partnerships between the mathematical sciences and other science or engineering disciplines that widen the cross section of the mathematical sciences to which freshman and sophomore students are exposed and that provide these students increased opportunities for research experiences involving the mathematical sciences. Proposals must include a Principal Investigator from a department of mathematical sciences and at least one co-Principal Investigator from another science or engineering department. Under this solicitation...
Proposals may be submitted for funding durations from three to five years. The proposal budget, between $100,000 and $600,000 per year, must be commensurate with the project and thoroughly justified in the proposal. The report of the workshop on Proactive Recruitment in the Lower Division (http://www.math.tamu.edu/research/undergrad/PRLDworkshopReport.pdf) contains examples of strategies for proposed projects. The examples in the report are not meant to be prescriptive or all-inclusive.

### Initiative for Maximizing Student Diversity (IMSD) (R25)  

The Minority Biomedical Research Support (MBRS) Program was created in response to a legislative mandate to “increase the numbers of underrepresented minority faculty, investigators and students engaged in biomedical and behavioral research, and to broaden the opportunities for underrepresented minority faculty and students for participation in biomedical and behavioral research.” To accomplish this goal, the Initiative for Maximizing Student Diversity (IMSD) program provides, at research institutions, institutional grants for students from groups underrepresented in biomedical and behavioral research with well integrated developmental activities that will increase their preparation and skills as they advance academically in the pursuit and successful completion of the Ph.D. degree.

### Cyber-Physical Systems  

The term cyber-physical systems refers to the tight conjoining of and coordination between computational and physical resources. We envision that the cyber-physical systems of tomorrow will far exceed those of today in terms of adaptability, autonomy, efficiency, functionality, reliability, safety, and usability. Research advances in cyber-physical systems promise to transform our world with systems that respond more quickly (e.g., autonomous collision avoidance), are more precise (e.g., robotic surgery and nano-tolerance manufacturing), work in dangerous or inaccessible environments (e.g., autonomous systems for search and rescue, firefighting, and exploration), provide large-scale, distributed coordination (e.g., automated traffic control), are highly efficient (e.g., zero-net energy buildings), augment human capabilities, and enhance societal wellbeing (e.g., assistive technologies and ubiquitous healthcare monitoring and delivery). Approximately $30,000,000 will be available for the first annual competition, pending the availability of funds. Anticipated funding levels for future competitions will be in the $20 million - $30 million range, dependent on the availability of funds. NSF anticipates making up to 40 awards in the first annual competition.

### Mathematical Sciences Research Institutes  

This program enables large-scale group efforts that involve broad segments of the scientific community. Projects supported by this program must involve the mathematical sciences in a significant way and have the scope to justify the funding, duration, and infrastructure of an institute. The goals of the program include advancing research in the mathematical sciences, increasing the impact of the mathematical sciences in other disciplines, enabling the mathematical sciences to respond to national needs, and expanding the talent base engaged in mathematical research in the United States.

### The MCEAS Dissertation Fellowship Program for Early American Studies  
http://www.mceas.org/dissertationfellowships.htm

March & Later (Top)
Doctoral candidates from any PhD-granting institution who are in the research or writing stage of the dissertation are eligible to compete for these fellowships. Any project dealing with the histories and cultures of North America in the Atlantic world before 1850 will be considered.

**Innovations in Engineering Education, Curriculum, and Infrastructure (IEECI)**


The Innovations in Engineering Education, Curriculum, and Infrastructure (IEECI) program supports research which addresses four aspects of engineering education: (1) how students best learn the ideas, principles, and practices to become creative and innovative engineers, and how this learning is measured (2) how application of cyberlearning resources of networked computing and communication, interactive visualization capabilities, and well designed user interfaces can be used to develop easily transportable tools and systems with low barriers to adoption which significantly improve learning, (3) integration of sustainability into engineering education, and (4) future directions of U.S. engineering doctoral programs.

**March 9**

**Innovations in Engineering Education, Curriculum and Infrastructure**


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**March 11**

**Superfund Basic Research and Training Program (P42)**


The National Institute of Environmental Health Sciences (NIEHS) is announcing the continuation of the Superfund Hazardous Substances Basic Research and Training Program [referred to as the Superfund Basic Research Program (SBRP)]. SBRP grants will support coordinated, multi-project, interdisciplinary research programs to address the mandates legislated under the Superfund Amendments and Reauthorization Act of 1986. These mandates include the development of (1) methods and technologies to detect hazardous substances in the environment; (2) advanced techniques for the detection, assessment, and evaluation of the effect on human health of hazardous substances; (3) methods to assess the risks to human health presented by hazardous substances; and (4) basic biological, chemical, and physical methods to reduce the amount and toxicity of hazardous substances. The objective for the SBRP is to develop a holistic research agenda for the protection of human health. This is accomplished by the establishment of interdisciplinary programs that link and integrate biomedical research with related engineering, hydrogeologic, and ecologic components within the context of unique scientific themes developed by the applicant.

**LOI March 16; full April 15**

**Long Range BAA for Research and Education Initiatives at the Naval Postgrad School**

http://www.grants.gov/search/search.do;jsessionid=HyvNxbsGqhnp7jjLkGmjgypnl2X2ZsnPvKwTmrydXz5ctt3QYS9x0!-1577941054?oppld=41138&flag2006=false&mode=VIEW

The Naval Postgraduate School is interested in receiving proposals for research and education initiatives which offer potential for advancement and improvement in the NPS core mission of graduate education and research. Readers should note that this is an announcement to declare NPS’s broad role in competitive funding of meritorious research and education initiatives across a
spectrum of science and engineering, business and policy, operational and informational sciences, and interdisciplinary disciplines that support the NPS' graduate education and research mission.

| **The John Hope Franklin Dissertation Fellowship** | April 1 |
| http://www.amphilsoc.org/grants/johnhopefranklin.htm | |
| This American Philosophical Society fellowship is designed to support an outstanding doctoral student at an American university who is conducting dissertation research. | |

| **CDC Grants for Public Health Research Dissertation** | April 10; Aug. 10 |
| The CDC dissertation award supports dissertation research costs for students in accredited research doctoral programs in the United States (including Puerto Rico, and other U.S. Territories or possessions). Grants to support dissertation research will provide no more than $35,000 in direct costs per year, and are awarded for up to one year, with the possibility of extension without additional funds for up to 12 months. This program does not require cost sharing or matching. | |

| **Emerging Frontiers In Research And Innovation 2009 (EFRI-2009)** | LOI Oct. April 30 |
| The Directorate for Engineering at the National Science Foundation has established the Office of Emerging Frontiers in Research and Innovation (EFRI) to serve a critical role in focusing on important emerging areas in a timely manner. The EFRI Office is launching a new funding opportunity for interdisciplinary teams of researchers to embark on rapidly advancing frontiers of fundamental engineering research. For this solicitation, we will consider proposals that aim to investigate emerging frontiers in the following two specific research areas: (1) BioSensing & BioActuation: Interface of Living and Engineered Systems (BSBA), and (2) Hydrocarbons from Biomass (HyBi). EFRI seeks proposals with transformative ideas that represent an opportunity for a significant shift in fundamental engineering knowledge with a strong potential for long term impact on national needs or a grand challenge. | |

| **Japan Society for the Promotion of Science - Invitation Fellowship Program for Research in Japan (Short Term)** | May 12 |
| The JSPS Invitation Fellowship for Research in Japan (Short Term) is offered to promote international scientific cooperation and exchange. It allows researchers employed at designated Japanese research institutions to invite fellow researchers from other countries to Japan to participate in cooperative activities at their research institutions. Applications for this program must be submitted to JSPS by a host researcher in Japan through the head of his/her university or institution. | |

| **Fracture Putty** | Open to June 9 |
| http://www.darpa.mil | |
| DARPA seeks to develop a dynamic putty which, when packed in/around a compound bone fracture, provides full load-bearing capabilities within hours, creates an osteoconductive bone-like internal structure, and degrades over time to harmless resorbable by-products as normal bone regenerates. | |

| **Panoptic Analysis of Chemical Traces (PACT)** | Open to August 20 |
| http://www.grants.gov/search/search.do?jsessionid=Ls1TnmvtBLGbltGmy32GnNRkLP2nGKfwVTnThx1JzmyYLKKjhd6I-294918046?oppId=42664&flag2006=false&mode=VIEW | |
| The Defense Advanced Research Projects Agency’s (DARPA) Strategic Technology Office (STO) is soliciting proposals under this Broad Agency Announcement (BAA) for the Panoptic Analysis of |
Chemical Traces (PACT) program. The PACT program will develop technology capable of analyzing complex gas mixtures without reliance on preconceived libraries of anticipated analytes. PACT will provide automated, high-throughput analysis of atmospheric sampling efforts aimed at producing exhaustive chemical maps of urban and military environments.

### DARPA Mathematical Challenges

DARPA is soliciting innovative research proposals in the area of DARPA Mathematical Challenges, with the goal of dramatically revolutionizing mathematics and thereby strengthening DoD’s scientific and technological capabilities. To do so, the agency has identified twenty-three mathematical challenges, listed below, which were announced at DARPA Tech 2007. This RPA seeks innovative proposals addressing these Mathematical Challenges. Proposals should offer high potential for major mathematical breakthroughs associated to one or more of these challenges. Responses to multiple challenges should be addressed in separate proposals. Submissions that merely promise incremental improvements over the existing state of practice will be deemed unresponsive.

### USA Medical Research and Materiel Command Broad Agency Announcement

USA Medical Research and Materiel Command is soliciting innovative research proposals in the area of USA Medical Research and Materiel Command Broad Agency Announcement, with the goal of dramatically revolutionizing medical and thereby strengthening DoD’s scientific and technological capabilities. To do so, the agency has identified twenty-three medical challenges, listed below, which were announced at DARPA Tech 2007. This RPA seeks innovative proposals addressing these Medical Challenges. Proposals should offer high potential for major medical breakthroughs associated to one or more of these challenges. Responses to multiple challenges should be addressed in separate proposals. Submissions that merely promise incremental improvements over the existing state of practice will be deemed unresponsive.

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### Grant Writing Articles

**By Lucy Deckard & Mike Cronan; edited by Robyn Pearson**

**Office of Proposal Development, Texas A&M University**

#### Article 1, Role of the Evolving Proposal Narrative (Top)

The fundamental requirement of the proposal narrative at the time of submittal is that it be a well written document that responds fully, clearly, and persuasively to the research goals and objectives and review criteria defined by the sponsor in the funding solicitation. However, long before the proposal narrative is submitted to a funding agency it plays a key role in the conceptual development of the proposed research.

The proposal development process itself is often somewhat akin to a slowly lifting fog whereby a continuous and relentless process of draft text iterations is necessary to gradually transform initially diffuse ideas into a tightly crafted proposal narrative. An equally important role of the evolving proposal narrative is that it serves as an incubator of ideas, particularly in the early stages of proposal development, and acts as a structure that imposes rigor, clarity, and simplicity on evolving ideas and concepts and their connectedness to operational and performance details. At the beginning of the proposal process there is often a significant amount of (pick your adjective) chaos, uncertainty, vagueness, ambiguity, false starts, and indecision, among many other indeterminacies of one kind or the other, about how to best meet the funding agency research objectives.

In much the same way as mathematics, or a computer program, help impose rigor, clarity, sequence, and simplicity on our understanding of the behavior of the physical world, language plays a similar role in the evolving proposal narrative. The key point is that ideas evolve, and do not appear magically fully and perfectly formed in the project description. Most often the ideas that evolve during the development and writing of a proposal originate in discussions among researchers...
at research development meetings. Sometimes these “brainstorming” discussions are predicated on and informed by a thorough understanding of the research solicitation by all participants, and sometimes they are not. Regardless, if it is determined that a solicitation is appropriate for the research interests of potential proposers and that a competitive proposal can be written in the time available, the path to the end product, a competitive proposal narrative, is often far from clear at this early stage of proposal development.

Bringing clarity to the proposal development process typically starts with ideas, concepts, and directions expressed verbally among researchers related to meeting the research objectives of the solicitation. Depending on the type of proposal, initial discussions, or even “brainstorming,” resulting in ideas expressed verbally can range from somewhat to very illusive, and become a real challenge when it comes time to translate ideas expressed verbally into language by a principal author, particularly since verbal “understandings” among participants can be both illusive and transitory. In fact, in the initial stages of drafting the proposal narrative there are often many uncertainties about the form the final proposal will take, thereby making the proposal writing process itself a one of iterative exploration that hopefully converges on a competitive narrative over time, i.e., before the due date.

What seems like a “good idea” at the start of this narrative exploration process can often be illusory. Epiphanies are deceptive because they lack connectedness and the appropriate balance and synthesis of ideas with detail. It is this conjoining of ideas with the performance details that is the real challenge in crafting a competitive proposal narrative.

However, this often painful process of translating ideas into the strict structure imposed by language in the narrative serves many important functions—
- it helps tame the conceptual excesses and unwarranted effusiveness that may occur among some members of a research team at the early stages of proposal development,
- it helps define the clear boundaries and scope of the initiative,
- it sharpens the focus and tightens the descriptions of concepts and ideas,
- and it forces connectedness among ideas, and between the ideas and operational details that transition ideas to research or educational outcomes.

In effect, the evolving proposal narrative helps transform ideas and anchor them in a common reality—the proposal narrative—a reality shared by research colleagues, program officers, and review panelists. In this regard, a proposal narrative is not unlike a novel or a movie. It creates its own, self-contained reality. It contains all the funding agency and review panel will know about your capabilities and your capacity to perform. With few exceptions, an agency bases its decision to fund or not fund entirely on the proposal narrative and the persuasive reality it creates. The construction of this common reality through a process of writing and rewriting draft after draft of text helps test ideas in a “language lab” in a way not unlike experimentalists test ideas.

Moreover, this process of defining a common reality and a common language through multiple draft iterations of the narrative is particularly important in multidisciplinary efforts and collaborations where a common structure is needed to meld disciplinary strands and make ideas accessible among collaborators of potentially synergetic but differing disciplines. One of the more common challenges in multidisciplinary research initiatives is the sponsor required vision statement,
or similar integrative and synthesizing statement, that unifies the effort and makes the case to the sponsor that there are critical synergies inherent in several research strands funded under one research effort that would not be possible if the research strands were funded separately as discrete projects. **The crafting of a vision statement or other unifying statement is as critical to a proposal’s competiveness as it is challenging to write.**

**In summary, the competitive proposal narrative:**

- Synthesizes ideas and detail
- Connects ideas to performance details
- Develops order, logic, transitions, and connectedness
- Helps the timing, logistics, and collaborations of proposal development
- Integrates collaborators’ ideas
- Provides a common structure to meld disciplinary strands
- Makes ideas accessible to others
- Converges on a common language
- Requires persistence, continuous revisions, and many draft iterations to converge on perfection

Written by Mike Cronan; edited by Lucy Deckard & Robyn Pearson

**Article 2, Writing the Proposal Introduction**

Always take the time to craft a well-written proposal introduction. It will serve as a focal point not only for the proposal itself but also for project development and writing the proposal narrative. The proposal introduction is a means of translating into language the ideas and arguments that may as yet be unrefined and unconnected in the early stages of development, or not fully developed and structured on a logical narrative framework.

Writing and rewriting the introduction continuously refines how you think about the proposal, the arguments developed, the ideas, the goals and objectives, and the logical connectedness of it all. Start the introduction early in the grant writing process and keep coming back to it as ideas are put forth, or revised, or abandoned.

Continuously revise the introduction as a place where abstractions, concepts, and ideas are fused and sequenced with performance objectives and operational detail. **The introduction needs to be a point of synthesis and clarity, that is concisely crafted during project development and grant writing.** Over a period of weeks, or months on larger efforts, the introduction will start to take on a life of its own, representing a pattern of connectedness that maps to the following project description, the major part of the narrative. Return to the introduction when you have new information and revise it; return to it when you are stymied and the logic and direction of your efforts momentarily seems illusive, return to it to sharpen your vision.

The introduction gives the reviewers a "conceptual snapshot" that they will carry with them through the remaining text.

**A well-written proposal introduction--**
• Serves as a “mini-proposal” that concisely captures your core arguments for funding
• Serves as a roadmap to the more detailed project description
• Introduces and connects the vision, ideas, goals, research objectives, and outcomes
• Makes a compelling case for research significance and uniqueness
• Organizes the conceptual framework of the narrative
• Tells who you are; what you are going to do; why it is significant; how you are going to do it; who is going to do it; why you are going to do it; and demonstrates your capacity to perform
• Inspires reviewers to read closely and with interest the more detailed narrative
• Wins the reviewers’ support with a tightly crafted and compelling proposal introduction

By Mike Cronan

Article 3, “OPD Quick Tips” on Grant Writing (Top)

“If I had more time, I would have written you a shorter letter.”
Mark Twain

Writing to reviewers
• Sell your proposal to a good researcher but not an expert
• Some review panels may not have an expert in your field, or panels may be blended for multidisciplinary initiatives
• Agencies & reviewers fund compelling, exciting research, not just correct research
• Proposals are not journal articles—proposals must be user friendly and offer a narrative that tells a story that is compelling and memorable to reviewers
• Synthesize key concepts and articulate the links--
  ✓ between the overarching goal and the specific objectives,
  ✓ between the specific objectives and the hypotheses,
  ✓ between the hypotheses and the approach,
  ✓ between the approach and the expected outcomes, and
  ✓ between the expected outcomes and the significance and broader impacts of the project
• Reviewers will assume errors in language and usage will translate into errors in the research

Role of the Project Summary
• Captures the interest of reviewers
• Defines the significance of the core idea quickly, clearly, and concisely
• Describes the connectedness of the core idea to specific research activities and outcomes
• Serves as a conceptual and relational roadmap to the proposal narrative

Charles Mingus on grant writing ;-)  
• Making the simple complicated is commonplace; making the complicated simple, awesomely simple, that's creativity.

The proposal is the only reality
• A proposal is not unlike a novel or a movie. It creates its own, self-contained reality. The proposal contains all the funding agency and review panel will know about your capabilities
and your capacity to perform. With few exceptions, an agency bases its decision to fund or not fund entirely on the proposal and the persuasive reality it creates.

- Good writing lies at the core of the competitive proposal. It is the framework for crafting and structuring the arguments, ideas, concepts, goals, performance commitments, and the logical, internal connectedness and balance of the proposal.
- Agencies will not fund an idea not embedded in a convincing pattern of narrative detail and performance specificity tightly mapped to the funding agency’s research objectives.
- “There is no amount of grantsmanship that will turn a bad idea into a good one, but there are many ways to disguise a good one.” William Raub, former Deputy Director, NIH
- “Contrary to what some people seem to believe, simple writing is not the product of simple minds. A simple, unpretentious style has both grace and power. By not calling attention to itself, it allows the reader to focus on the message.”--Richard Lederer and Richards Dowis, Sleeping Dogs Don't Lay, 1999.

Albert Einstein on grant writing ;-)
- If you can't explain something simply, you don't understand it well
- Most of the fundamental ideas of science are essentially simple, and may, as a rule, be expressed in language comprehensible to everyone

Good writing is more than mechanics
- Strong, comprehensive, integrated knowledge base
- Organizational clarity (stepwise logic/connections; sequencing)
- Structural clarity (integrative logic; logical transitions)
- Argumentative clarity (reasoning; ordering; synthesis)
- Capacity for synthesis
- Descriptive clarity (who, what, how, when, why, & results)
- Clear, consistent vision sustained throughout text
- Establishes confidence in your performance and excitement for your ideas by reviewers
- A competitive proposal must be internally consistent by language, structure, and argument
- All internal ambiguities must be resolved.
- The competitiveness of a proposal increases exponentially with the capacity of the author to synthesize information
- Synthesis represents the relational framework and conceptual balance of the proposal
- It is the synaptic connections among concepts, ideas, arguments, goals, objectives, and performance.

Why grammar is important
- Proposals are not graded on grammar. But if the grammar is not perfect, the result is ambiguities left to the reviewer to resolve
- Ambiguities make the proposal difficult to read and often impossible to understand, and often result in low ratings
- Be sure your grammar is perfect
  - George A. Hazelrigg, National Science Foundation

Ideas matter (Slogans are not Ideas!)
• Shaping ideas by language is hard work.
• Do not confuse slogans, effusive exuberance, and clichés with substantive ideas.
• Show the reviewers something new by developing ideas that are clear, concise, coherent, contextually logical, and insightful.
• Capitalize on every opportunity you have to define, link, relate, expand, synthesize, connect, or illuminate ideas as you write the narrative.
• Connect, connect, connect! (E.M. Forrester).

Beware of “boiler plate”
• Boiler plate refers only to the application forms required by the agency, not the narrative
• Thinking of the proposal narrative as “boiler plate” will result in a mediocre proposal
• Begin each proposal as a new effort, not a copy & paste from prior efforts;
• Be cautious integrating text inserts
• Strong proposals clearly reflect a coherent, sustained, and integrated argument grounded on good ideas

By Mike Cronan

Article 4, Why Read Abstracts

Reviewing abstracts of recently funded projects is yet another way to gain information about the research interests of a funding agency from the perspective of what review panels and program officers viewed as successful applicant proposals. Typically, abstracts from the two most current past funding cycles are the most informative. This is particularly true when reading abstracts of research and educational initiatives funded by programs that have long running annual solicitations. The abstracts serve as an excellent complement to the program solicitation by giving examples of successful responses to the research objectives defined in the RFP. In some cases, particularly on institutional and educational initiatives, reviewing the abstracts of projects funded during the past two years reveals a core of programmatic elements and activities that are a common denominator to all successful proposals.

In some cases, abstracts include contact information on the principal investigators, including email addresses, and on educational and institutional grants in particular the PI may be willing to share observations related to developing a competitive proposal to the particular program, perhaps even sharing a copy of the funded proposal, reviewers comments, and outcomes of annual performance reviews. On educational and institutional grants PIs are more often willing to share information than they might be on a research grant. In many cases, e.g., NSF educational grants, there is an expectation by the funding agency of dissemination of results related to “best practices” in such areas as K-12 education, undergraduate research, and the like.

Finding Abstracts Hotlinks

• NIH Computer Retrieval of Information on Scientific Projects (CRISP)
• NIH Extramural Awards By State and Foreign Site
• NSF Award Data
• NASA NSPIRES Past Solicitations and Selections
• Agency for Healthcare Research and Quality (AHRQ) Grants On-Line Database (GOLD)
Successful proposals represent an accumulation of marginal advantage. Funding success occurs at the boundaries of excellence. “Good” is not good enough!

If the mantra of real estate is “location, location,” then the mantra of developing and writing a competitive proposal is “context, context.” Funding agency strategic plans and research road maps, national academy reports, agency sponsored research workshops, and similar documents all play a key role in helping frame the proposal narrative in a way that is more compelling and represents a more persuasive argument for the importance of the research, not only in the context of the specific solicitation, but in the larger context of the overall research objectives of the agency (see listing at end of this article of agency strategic plan URLs).

Moreover, reviewing strategic plans and research road maps, along with other research reports in your domain, helps you better map your research directions to the investment priorities of the funding agencies, an important competitive factor over time. Successful proposals represent an accumulation of marginal advantage that complements the core research idea in a proposal narrative. This is important because funding success at federal research agencies occurs at the boundaries of excellence, particularly in the peer review process. In this environment a good proposal is not good enough. An excellent proposal narrative that is competitive for funding requires getting everything right, including a persuasive argument on why your
research advances the research objectives of the funding agency, from the fine grain context (solicitation) to the larger contexts (agency wide and national). Clearly stated and persuasive arguments placing your research in these important contexts represents just one more element needed to gain competitive advantage.

Why context is important--

- Understanding the research culture and context of the funding agency helps you to more knowledgably **embed your proposed research plan within the research focus and context of the agency.**
- Understanding the context of an agency's mission, strategic plan, research culture, investment priorities, and the **rationale behind them** helps you weave a compelling and competitive proposal narrative.
- Understanding context helps you better describe how your research plan maps to the research goals detailed in the RFP and advances the agency's larger research plan.
- Convincing program officers and reviewers that your research advances the agency's research objectives is a key factor in the decision to fund or not fund your proposal.
- Understanding research context helps you better understand several key elements common to every competitive proposal narrative:
  - Who is the audience?
  - How do you best address that audience?
  - What is a fundable idea within the context of the agency's research priorities?
  - How are claims of research uniqueness and innovation best supported in the proposal text?
  - What arguments are likely to be most compelling in communicating your passion, excitement, commitment, and capacity to perform the proposed research to reviewers and program officers?
- A good idea is required but alone is not sufficient--agencies only fund good ideas that are clearly developed and tightly linked to their mission, vision, and strategic plan as represented by the research objectives stated in the RFP and in the **broader context of agency strategic plans and research road maps**, which in turn are embedded in the context of the national research enterprise.

The following examples of agency strategic plans and research road maps represent one good starting point for developing a knowledge base that allows placing the research proposal narrative specific to a solicitation in the broader context of an agency's strategic plan.

**What's New in Federal Research Budget: R&D Budget & Policy Updates**

**Investing in America's Future, NSF Strategic Plan FY 2006-2011**

**NSF Human Capital Strategic Plan**

**NIH Roadmap for Medical Research**
NIH Workshops and Seminars  
http://grants1.nih.gov/grants/outreach.htm

Investing in Discovery: National Institute of General Medical Sciences  
Strategic Plan 2008–2012  
http://www.nigms.nih.gov/About/StrategicPlan/

NCRR Strategic Plan 2009–2013  

National Center for Research Resources  
New Strategic Plan  
http://www.ncrr.nih.gov/strategic_plan/

DoD Strategic Plan  
for Research and Engineering  

EPA Strategic Plan  
Developing the 2009-2014 EPA Strategic Plan  
http://www.epa.gov/ocfo/plan/plan.htm

EPA’s Office of Research and Development  
Multi-Year Research Plan  
http://www.epa.gov/ord/htm/multi-yearplans.htm

EPA Research Strategies and Plans  
http://www.epa.gov/ORD/htm/researchstrategies.htm

U.S. Department of Education  
Strategic Plan For Fiscal Years 2007-12  

U.S. Department of Energy Strategic Plan  
http://www.cfo.doe.gov/strategicplan/doestrategicplan.htm

Department of Energy Office of Science  
Genomics:GTL Strategic Planning  
http://genomicsgtl.energy.gov/strategicplan/index.shtml

USDA/CSREES  
Strategic Plan for 2007-2012  
http://www.csrees.usda.gov/about/offices/pdfs/csrees_stratic_plan.pdf

Agricultural Research Service  
Strategic Plan for FY 2006-2011  
By Mike Cronan

Article 6, Overview of DoD Funding Agencies (Top)

The Department of Defense agencies that fund external research include--

- Air Force Office of Sponsored Research (AFOSR),
- Office of Naval Research (ONR),
- Army Research Office (ARO)
- Defense Advance Research Projects Agency (DARPA)
- US Army Medical Research & Materiel Command, which oversees the Congressionally Directed Medical Research Programs (CDMRP)
- Army Corps of Engineers
- National Security Agency (NSA)
- Important web sites for each of these agencies are listed at the end of this section.

Culture and Mission

All of the Department of Defense agencies are highly mission-oriented. The missions of AFOSR, ONR and ARO are related to the management of research that supports the goals and operations of
their respective services (Air Force, Navy and Army, respectively). DARPA’s mission is to oversee high-risk, high-pay-off research that has the potential to greatly benefit any of the DoD’s branches. These DoD agencies therefore are looking for research that has a close connection to defense, and particular technologies and problems of interest are identified by the various funding agencies in Broad Agency Announcements (BAAs). The Congressionally Directed Medical Research Program’s mission is to support medical research “to eradicate diseases and support the warfighter.” As such, the CDMRP differs significantly in mission, culture and procedures from the other DoD agencies and will be discussed in a separate section below.

**Usually, time horizons for research to be translated into applications is relatively short.** Program Officers in the various DoD agencies are given a large amount of discretion in making funding decisions, and having a relationship with the Program Officer is extremely important to potential applicants. Establishing a relationship with a Program Officer is not difficult; they are often receptive to phone calls and e-mails and are usually happy to discuss a potential applicants’ research and whether it fits the agency’s needs; they also attend professional conferences on research topics of interest to their organizations. One caveat to this is that once a Request for Proposals (RFP) has been issued, Program Officers are usually not allowed to discuss the program in order to avoid the appearance of giving any of the applicants an unfair advantage. This is another reason that it is important to be engaged with the Program Officer early, before the RFP is issued.

**DoD Disciplinary Areas Funded (% of total research funding)**

- Physics (9%)
- Chemistry (9%)
- Mathematics (7%)
- Electronics (13%)
- Materials Science (8%)
- Mechanics (13%)
- Terrestrial Sciences (3%)
- Ocean Sciences (13%)
- Atmospheric Sciences and Space Sciences (9%)
- Biological Sciences (9%)
- Cognitive and Neural Science (4%)

**Funding Opportunities (AFOSR, ONR, ARO and DARPA)**

The Department of Defense classifies research according to how basic or applied it is.

- **6.1** - the most basic research and is usually the type of research that may be funded at a university
- **6.2** - applied research and may be a continuation of 6.1 research as it comes closer to application in a defense system. This type of research is often funded at a defense company, which may partner with a university for the more basic aspects of the research.
- **6.3** - application research, where a new technology is applied to a defense system and tested. This type of research is usually performed by a defense company, perhaps in
partnership with the potential user.

Like many mission agencies, ARO, AFOSR and ONR fund both intramural (internally conducted) and extramural (externally conducted) research. **It is always a good idea for researchers aspiring to win funding from these agencies to get to know the internal DoD researchers who are working in their research areas.** It is often expected that externally funded projects will be conducted in a collaborative fashion with DoD scientists; e.g., building on their results, utilizing specialized testing equipment at DoD labs, or designing components or systems based on criteria specified by DoD scientists. **Furthermore, these DoD scientists are often involved in the proposal review process; therefore, having prior connections can enhance competitiveness of a proposal.**

The defense agencies (with the exception of the CDMRP) announce funding opportunities in a variety of ways, including **Broad Agency Announcements (BAAs)** – each agency typically issues a “Long Range BAA,” which outlines technical research interests and priorities of the agency over a several-year range covered by the BAA, as well as targeted BAAs, which address more specific competitions and other targeted solicitations. University research is often funded through unsolicited proposals based on the Long Range BAA. Web sites for the Long Range BAAs for each Research Office are given below by agency. Solicitations for programs targeted specifically or predominately for University researchers are listed in the section on targeted programs below.

DARPA differs from ARO, AFOSR and ONR in that its mission benefits all areas of defense. DARPA’s mission, according to its website, is “to maintain the technological superiority of the U.S. military and prevent technological surprise from harming our national security by sponsoring revolutionary, high-payoff research that bridges the gap between fundamental discoveries and their military use.” DARPA does not conduct intramural research, but each of its Program Managers is given an extraordinary amount of autonomy in setting research priorities and making funding decisions. The Program Managers are often well-known researchers in the technical field they are overseeing and very often rotate into and out of their position at DARPA from academia or industry. As in dealing with the other research offices, it is extremely important to develop a relationship with the DARPA Program Manager before submitting a proposal. Furthermore, since DARPA’s interests lie in transitioning new technology into military use as quickly as possible, faculty researchers are well-advised to team with defense industry or defense lab researchers when proposing new research.

**Unsolicited Proposals**

Typically, a researcher who would like to propose a research project addressing research priorities outlined in the Long Range BAA contacts the Program Officer to discuss his/her project idea. If the Program Officer is interested, he or she will request a **white paper** (also called a preliminary proposal). White papers are short summaries of the project idea, and rules for white paper length and format can be found in the agency long range BAA or will be designated by the Program Officer. If the Program Officer likes the white paper, he or she will request a full proposal.

**Targeted Programs**

The programs listed below are aimed specifically or predominately at university researchers or at...
partnerships that may include university researchers. In competing for most of these programs, it is extremely helpful to have already developed a relationship with a DoD program officer and preferably to have been funded by the DoD on a related research project. It should be noted that one of the best ways to connect with an defense agency is to participate in a summer faculty research program at that agency, if they offer one.

**Programs for universities**—
- Multidisciplinary University Research Initiative (MURI)
- Defense University Research Instrumentation Program (DURIP)
- ONR Young Investigator Program (YIP)
- AFOSR Young Investigator Program
- DARPA Microsystems Technology Office Young Faculty Award
- Faculty Exchanges and Summer Facility Positions in DoD Labs
- Summer Faculty Research Program (ONR)
- University Resident Research Program (AFOSR)
- U.S. Army Summer Faculty Research and Engineering Program
- U.S. Navy – ASEE Summer Faculty Research Program
- Fellowships and Summer Research Appointments for Students
- Defense Experimental Program to Stimulate Competitive Research (DEPSCoR) – for selected states only
- Historically Black Colleges and Universities Program (see also Funding Opportunities pages for each agency)

**DoD Links**—
- Defense Advance Research Agency (DARPA)
  - www.darpa.mil
- Army Research Office (ARO)
  - www.aro.army.mil
- Office of Naval Research (ONR)
  - www.onr.navy.mil
- Air Force Office of Scientific Research (AFOSR)
  - www.afosr.af.mil
- Congressionally Directed Medical Research Programs (CDMRP)
- National Security Agency
  - http://www.nsa.gov/about/index.cfm

Written by Lucy Deckard

**Article 7, NSF Tips by Lucy Deckard (Top)**

Tips for Exploring the NSF Website (continued from Oct. 1 newsletter):

**Navigating NSF’s Award Database**
NSF’s website is a treasure trove of helpful information for anyone planning to apply for an NSF grant, but as with most treasure, it’s helpful to know where to dig. This is the second in a series of short articles on where to look on the NSF website for those nuggets of information that can help
you as you prepare a proposal to NSF.

NSF’s award search tool, which can be found on their website, can help you to identify the NSF program that fits your research, determine what types of projects have been funded by a particular program, and find out who has been funded on a particular program. To find the “award search” tool, go to http://www.nsf.gov/awardsearch/. Then click on the tab for “Search all Fields.”

The first field allows you to search for key words. You’ll note that you can search all abstracts for a key word, or you can search the project titles only by clicking the “Restrict to Title Only” box. This first field will accept the Boolean operators “AND” and “OR” between keywords.

The second group of fields (“Awardee Information”) allow you to search for awards based on the PI’s name, a co-PI’s name, organization (e.g., the PI’s university), state, zip code or country.

The third group of fields (“Program Information”) allows you to search based on NSF Organization (e.g., Division, Directorate or Office), Program Officer, Element Code (a four digit number used to identify the funding source for the program), Reference Code (Programs by a digital reference code), by Program name, or by Field of Application (e.g., Chemistry, Climate models, etc. selected from a pull down menu). All of these fields except Field of Application provide a lookup box (to the right of the field entry box).

Finally, the “Additional Information” group allows you to search based on award date, start date, expiration date, award number, funded amount (in dollar ranges), and award instrument (standard grant, continuing grant, etc.). The toggle switches at the bottom allow you to designate whether to search in historical awards (grants funded prior to 1976), active awards (grants currently funded) or expired awards (expired grants funded after 1976).

The power of this tool lies in the fact that you can focus your search by entering search parameters in several fields simultaneously. So, for example, you could search for grants funded to Texas universities under the Major Research Instrumentation Program within the last 10 years. You could further focus that list by designating only such grants that were funded out of the Division of Earth Sciences. When you get your search results, you can then use those results as further leads. If you click on the name of a Principal Investigator listed for a program in the search results, the tool will bring up all of the grants received by that investigator. You might then notice that one of those grants is for a program that might fit your interests. Click on that program, and all grants funded under that program will be listed. Click on the title of a project of interest, and the award abstract will appear along with other information on that project. If you find a program similar to yours, look at the program reference code and field of application listed on this page, and you can use that information to conduct another search. You might also conduct a search based on the program manager’s name. The PI’s e-mail address is listed, and you might want to contact him or her for more information on the project. In this way, you can start with a very small lead (for example, the name of someone you met at a conference who does work similar to yours, or a keyword pertaining to your research), and follow that lead to the NSF program that best fits your research interests. You can also find out a lot about a specific program in order to assess if it’s the right program for you.

By Lucy Deckard