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### Funding Opportunities for the College of Arts and Letters

#### **1. Law and Social Sciences**

**Sponsor:** National Science Foundation (NSF)

**Deadline:** Jan. 15, 2010; Aug. 15, 2010.

**Amount:** No fixed limit

**Web link:**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5422&org=SES&sel\\_org=SES&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5422&org=SES&sel_org=SES&from=fund)

**Abstract:** This program is to support social scientific studies of law and law-like systems of rules, institutions, processes, and behaviors. The Law and Social Science Program continues to solicit proposals that take account of the growing interdependence and interconnections of the world. Thus proposals are welcome that advance fundamental knowledge about legal interactions, processes, relations, and diffusions that extend beyond any single nation as well as about how local and national legal institutions, systems, and cultures affect or are affected by transnational or international phenomena. Thus, proposals may locate the research within a single nation or between or across legal systems or regimes

#### **2. Collaborative Research Grants**

**Sponsor:** National Endowment for the Humanities

**Deadline:** October 29, 2009

**Amount:** normally range from \$25,000 to \$100,000 per year; duration: up to three years

**Web link:** <http://www.neh.gov/grants/guidelines/collaborative.html>

**Abstract:** 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. This program focuses on the following areas:

- 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); and
- Research that uses the knowledge, methods, and perspectives of the humanities to enhance understanding of science, technology, medicine, and the social sciences.

### **3. Fellowships for Independent Projects: Visual Arts, Media Studies, and the History of Art and Architecture**

**Sponsor:** Howard Foundation

**Deadline:** Nov. 09, 2009, tentative

**Amount:** Stipends are \$25,000

**Eligibility:** Nominees should generally have the rank of associate (or advanced assistant) professor or their non-academic equivalents. Associate or (advanced assistant) professors should have a significant record of publication beyond the dissertation, and this fellowships is intended to augment paid sabbatical leaves

**Web link:** [http://brown.edu/Divisions/Graduate\\_School/Howard\\_Foundation/](http://brown.edu/Divisions/Graduate_School/Howard_Foundation/)

**Abstract:** This program is to support individuals working on specific writing projects for the academic year 2010-2011. Howard Fellowships may not be used to prepare exhibits or to support institutional programs. There are no residency requirements for individuals who receive awards. The program focuses on Creative Writing - Fiction and Poetry areas in 2010-2011.

### **4. Posen Foundation Program for the Study of Secular Jewish History and Cultures**

**Sponsor:** Center for Cultural Judaism

**Deadline:** Nov 24, 2009

**Amount:** \$50,000

**Eligibility:** To be eligible to apply, the primary course must focus specifically on Judaism as Culture

**Web link:** <http://www.culturaljudaism.org/ccj/grants>

**Abstract:** This program focuses on the Study of secular Jewish history and cultures. These grants are intended to cultivate and support the interdisciplinary study of secular Jewish history and cultures within already well-established university programs and departments of Jewish studies, history, philosophy, sociology, anthropology, or other related disciplines. Grants will be awarded to support the teaching of two to four courses per year in the origin, history, development, texts, philosophy, writings, and practices of Jewish secularism. In addition, institutions may choose from a broad list of suggested topics and courses to develop additional courses in peripheral subjects designed to enhance the understanding of the primary interdisciplinary course in secular Jewish history or cultures.

### **5. Institute for Aegean Prehistory - Research Grants**

**Sponsor:** The Institute for Aegean Prehistory (INSTAP)

**Deadline:** Nov. 1, 2010

**Amount:** \$60,000 for fieldwork or \$30,000 for research in any year

**Web link:** <http://004ed85.netsolhost.com/2010-apps.html>

**Abstract:** The goal of INSTAP's grant program is to promote knowledge of the Aegean region, and to support archaeological fieldwork and research in that area in the chronological span of the Paleolithic through to the 8th century B.C

## **6. Communications/Public Opinion**

**Sponsor:** United States - Japan Foundation (USJF)

**Deadline:** Dec 15, 2009

**Web Link:** <http://www.us-jf.org/communication.php>

**Contact:** Director of Foundation Grants and Assistant to the President, at [djanes@us-jf.org](mailto:djanes@us-jf.org)

**Abstract:** This program gives a priority to projects that can demonstrate originality, broad appeal, enduring impact, excellent management, and a well constructed plan for execution and success.

### 1. Print Media

Exchange programs, fellowships, research, symposia, etc., involving journalists, editors, or other print media professionals leading to professional development or an article series or publication

### 2. Broadcast Media

Exchange programs, fellowships, research, symposiums, etc., involving broadcast journalists, editors, or other broadcast media professionals (radio or TV) resulting in professional development or a story series or other special coverage

### 3. Internet

Communication platforms, moderated discussion groups, links between nonprofit organizations (NPOs) or other projects that take advantage of new Internet technologies to enhance communication in support of the foundation's mission

### 4. NGO/NPO Links

Projects of cooperation, communication, education, or collaboration between U.S. and Japanese civil society organizations (in support of the foundation's mission)

### 5. Documentary Film/Video (and other multi-media)

The Foundation supports documentary films about Japan and the US-Japan relationship.

### 6. Opinion Polling/Public Opinion Research

Occasionally the foundation will support such a project if there is demonstrated need and lack of other support from more traditional sources.

### 7. Other

The categories listed above are not intended to be exhaustive. The foundation is always looking for unique approaches to strengthening the U.S.-Japan relationship

## **7. Grant Program**

**Sponsor:** Virginia Foundation for the Humanities (VFH)

**Deadline: Rolling**

**Amount:** only pays up to 50% of a project's total cost.

**Web Link(s):** <http://www.virginiafoundation.org/grants/>  
<http://www.virginiafoundation.org/grants/priorities.html>

**Contact:** Director, Grants and Public Programs: David Bearinger;  
Phone: (434) 924-3296; Email: [dab@virginia.edu](mailto:dab@virginia.edu)

**Abstract:** VFH funds public humanities programs in Virginia that are shaped by and significantly involve humanities scholars and/or other community experts. The grant program encourages projects that increase public understanding of important issues and enrich the cultural life of the state.

- *The Open Grant Program* is open to proposals on a wide range of subjects, for projects in any format, and for amounts up to \$10,000. Open Grant **deadlines** are February 1st, May 1st, and October 15th.
- *The Discretionary Grant Program* allows VFH to make smaller grants of up to \$2,500. There is **no deadline** for this program; applications are accepted at any time.

## **8. Title: Learning and Leadership Grants**

**Sponsor:** National Education Association (NEA) Foundation

**Deadline: October 15, 2009**

**Amount:** \$2,000 for individuals/\$5,000 for groups engaged in collegial study.  
May be a good “starter” grant

**Link(s):** [http://www.neafoundation.org/programs/Learning&Leadership\\_Guidelines.htm](http://www.neafoundation.org/programs/Learning&Leadership_Guidelines.htm)

**Abstract:** Grants support public school teachers, public education support professionals, and/or faculty and staff in public institutions of higher education for one of the following two purposes:

- High-quality professional development experiences, such as summer institutes or action research.
- Grants to groups fund collegial study, including study groups, action research, lesson study, or mentoring experiences for faculty or staff new to an assignment.

## **9. Collective Behavior and Socio-Cultural Modeling**

**Sponsor:** United States Department of Defense (DOD), Department of the Air Force (USAF)

**Deadline: Continuous**

**Amount:** Approximately \$200 million is available for support of actions awarded through this BAA process. Awards average \$150,000 per year for up to five years. Awards may start any time during the fiscal year.

**Web Link(s):** <http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=8127>  
<http://fundingopps.cos.com/cgi-bin/fo2/getRec?id=103309>

**Contact:** Ricky Christie, Phone (703) 696-9728, Email: [ricky.christie@afosr.af.mil](mailto:ricky.christie@afosr.af.mil)

**Abstract:** This program seeks fundamental understanding of the interactions between demographic groups both to create understanding for technology developments for enhanced cooperation, such as operational decision making with coalition partners, and to explain and predict outcomes between competing factions within geographic regions. Example topics include the following:

Exploring the structure of cultural knowledge, beliefs, and social norms either broadly, in factor models, or more narrowly, within the framework of a computational cognitive architecture;

2. Reasoning and decision-making processes in cultural context, including reasoning with uncertain information;

3. Self-organization and adaptation of culturally defined entities or groups, including models of group competitive and cooperative interactions;

4. Game-theoretic modeling of interactive agents with imperfect and incomplete information regarding other agents;

5. New approaches to automated reasoning about belief, knowledge, obligation, time, and preference

6. Characterization of interacting dynamics at multiple scales, from individual to nation-state

## **Funding Opportunities for the College of Business and Public Administration:**

### **1. Glen McLaughlin Prize for Research in Accounting Ethics**

**Sponsor:** University of Oklahoma Price College of Business School of Accounting

**Deadline:** Dec 01, 2009

**Eligibility:** Ph.D./M.D./Other Professional

**Amount:** \$15,000

**Web link:** <http://aaahq.org/calls/GlenMcLaughlin2009.pdf>

**Abstract:** The John T. Steed School of Accounting invites scholars to submit their unpublished papers examining the implications of ethics in any area of accounting. The development of the ethical concepts in the paper may be rooted in ethical philosophy, but authors should feel free to draw upon ethical insights from other disciplines such as sociology, psychology, biology, economics, and humanities. The paper is best viewed as an interdisciplinary work, contributing to the understanding of ethical concepts and then applying this understanding to accounting issues in an effective way. Examples of topics suitable for the prize include (but not limited to):

- corporate disclosure practices;
- financial reporting, valuation, and performance measurement;
- management control systems;
- executive compensation structure and incentive issues;
- assurance services and litigation;
- corporate governance and internal control;
- forecasting and the role of financial analysts; and
- tax reporting and disclosure.

## **2. Competitive Manuscript Award**

**Sponsor:** American Accounting Association (AAA)

**Deadline:** Jan 31, 2010

**Eligibility:** Applicants must be members of the association and associate members who have earned their Ph.D. within the past five years

**Amount:** \$50,000

**Web link:** <http://aaahq.org/awards/award5.htm>

**Abstract:** The Competitive Manuscript Award encourages research among members of the association and associate members who have recently earned their Ph.D. Any subject matter in the field of accounting is proper for inclusion in this contest. Manuscripts must generally conform to the style and length requirements of *The Accounting Review*.

## **3. Kauffman Junior Faculty Fellowship in Entrepreneurship Research**

**Sponsor:** Kauffman Foundation, Ewing Marion

**Deadline:** Mar 09, 2010, and Apr 06, 2010

**Eligibility:** For 2009-2010 this program is open to tenured or tenure track junior faculty members at accredited United States universities who received a Ph.D. or equivalent doctoral degree between January 1, 2004, and December 31, 2007.

**Amount:** \$50,000

**Web link:** <http://www.kauffman.org/research-and-policy/kauffman-junior-faculty-fellowship-in-entrepreneurship.aspx>

**Abstract:** The Kauffman Foundation established the Junior Faculty Fellowship in Entrepreneurship Research in 2008 to recognize tenured or tenure-track junior faculty members at accredited United States universities who are beginning to establish a record of scholarship and exhibit the potential to make significant contributions to the body of research in the field of entrepreneurship.

## **4. Research Stipends**

**Sponsor:** Center for the Business of Government

**Deadline:** Oct 01, 2009, and Mar 01, 2010

**Eligibility:** Individuals working in universities, nonprofit organizations

**Amount:** \$ 20,000 for each report

**Web link:** <http://www.businessofgovernment.org/main/apply/index.asp>

**Abstract:** This program provides grants to stimulate research and improve the effectiveness of government at the federal, state, local, and international levels. Manuscripts submitted in response to each RFP must address one of the special topics designated for that funding cycle.

Cross-Cutting Management Issues in 2009-2010 include the following:

- Citizen-Centric Service Delivery
- Collaboration: Networks and Partnerships
- Contracting and Acquisition
- Cyber-Security and Privacy
- Financial Management
- Human Capital Management
- Innovation
- Leadership
- Managing for Performance and Results
- Market-Based Government
- Shared Services
- Supply Chain
- Web 2.0.: Going Beyond e-Government

**5. ERDC BAA - Manage Classified Information Systems (TEC-43)**

**Sponsor:** United States Department of Defense (DOD)  
Department of the Army  
U.S. Army Corps of Engineers (USACE)  
Engineering Research and Development Center (ERDC)  
Topographic Engineering Center (TEC)

**Deadline: Continuous.**

**Web Link:** <http://www.mvk.usace.army.mil/contract/docs/BAA.pdf>

**Abstract:** The objective of this topic is to conduct research on advanced information management, network management, database management, and information assurance technologies.

This program covers these areas, including, but not limit to:

- Computer Security
- Computer Storage and Retrieval
- Computer Systems Administration
- Computer Systems Analysis
- Information Management
- Information or Communication Systems
- Information or Data Centers
- Information Science or Systems
- Networking

**6. Global Migration and Human Mobility**

**Sponsor:** MacArthur Foundation, John D. and Catherine T.

**Deadline: Continuous.**

**Web Link:**

[http://www.macfound.org/site/c.lkLXJ8MQKrH/b.1494505/k.6946/Grantmaking\\_Guidelines.htm?sid=74056542](http://www.macfound.org/site/c.lkLXJ8MQKrH/b.1494505/k.6946/Grantmaking_Guidelines.htm?sid=74056542)

**Abstract:** The foundation is particularly interested in supporting projects that reflect diverse national, institutional, professional, and cultural perspectives on global migration.

MacArthur provides a limited number of grants in the following areas. The first area is governance of global migration. Migration is the least understood and least well governed aspect of globalization, and the elements of a global migration and mobility regime are as yet undeveloped. The foundation seeks to contribute to an improvement in the norms and institutions for governance of international migration at the global, regional, and bi-lateral levels.

Grantmaking in this area is aimed at raising the profile of global migration issues on national and international agendas, helping to develop norms and standards for the effective governance of migration, facilitating the inclusion of civil society voices in policy deliberations at the national and international levels, and disseminating migration research to policymakers at various levels of government. Support for the Global Forum on Migration and Development, and for improvement of regional migration governance mechanisms, are important emphases of the foundation's work on migration governance.

The second grantmaking area is migration and development. The foundation seeks to foster better understanding and policy-relevant analyses of the relationship between the movement of people and economic development in sending and receiving countries. Under the broad rubric of migration and development, the foundation will seek to produce better understandings and policy-relevant analyses of the relationship between the movement of people and economic development.

### **Funding Opportunities for the Darden College of Education:**

#### **1. Developmental and Learning Sciences (DLS)**

**Sponsor:** National Science Foundation (NSF)

**Deadline:** Jan 15, 2010; Jul 15, 2010

**Eligibility:** Academic Institution; Nonprofit

**Amount:** \$15,000 - \$100,000

**Web link:** [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=8671](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=8671)

**Abstract:** DLS supports fundamental research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. Research supported by this program will add to our basic knowledge of how people learn and the underlying developmental processes that support learning, with the objective of leading to better educated children and adolescents who grow up to take productive roles as workers and as citizens. Among the many research topics supported by DLS are developmental cognitive neuroscience; development of higher-order cognitive processes; transfer of knowledge from one domain or situation to another; use of molecular genetics to study continuities and discontinuities in development; development of peer relations and family interactions; multiple influences on development, including the impact of family, school, community, social institutions, and the media; adolescents' preparation for entry into the workforce; cross-cultural research on development and learning; and the role of cultural influences and demographic characteristics on development.

Additional priorities include research that: incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches; develops new methods, models, and theories for studying learning and development; and integrates different processes (e.g., learning, memory, emotion), levels of analysis (e.g., behavioral, social, neural), and time scales (e.g. infancy, middle childhood, adolescence).

## **2. Disability and Rehabilitation Research and Related Projects**

**Sponsor:** The National Institute on Disability and Rehabilitation Research (NIDRR)

**Deadline:** December 14, 2009

**Amount:** \$650,000

**Web link:** <http://www.ed.gov/programs/drrp/index.html>

**Abstract:** The purpose of the program is to plan and conduct research, demonstration projects, training, and related activities to improve the lives of individuals with disabilities. These projects are quite varied, though all are aimed at fulfilling NIDRR's overarching goals of inclusion, integration, employment, and self-sufficiency for people with disabilities.

## **3. Grant**

**Sponsor:** Robins Foundation, Richmond, Virginia

**Deadline:** October 22, 2009; January 13, 2010.

**Amount:** Requests should be appropriate to the project and demonstrate a wise and frugal use of funds.

**Web link:** <http://www.robinsfdn.org/>

**Abstract:** The Robins Foundation looks for opportunities to improve the lives and opportunities of Virginians through grants to nonprofit organizations. The foundation is particularly interested in helping with emerging issues and underfunded areas where grants can act as a catalyst. The foundation also helps established organizations sustain and build on past successes and is prepared to consider funding for specific projects or programs in the form of program support, capital expenditures, or endowment.

The Robins Foundation has broad program interests. The foundation will consider any project that meets a clearly defined community need. Categories of support include, but are not limited to cultural, charitable, scientific, environmental, and educational.

Currently, the foundation is particularly interested in grants that improve the lives and opportunities of at-risk youth

#### **4. Learning and Leadership Grants**

**Sponsor:** National Education Association (NEA) Foundation

**Deadline:** **October 15, 2009**

**Amount:** \$2,000 for individuals/\$5,000 for groups engaged in collegial study.  
May be a good “starter” grant

**Web link:** [http://www.neafoundation.org/programs/Learning&Leadership\\_Guidelines.htm](http://www.neafoundation.org/programs/Learning&Leadership_Guidelines.htm)

**Abstract:** Grants support public school teachers, public education support professionals, and/or faculty and staff in public institutions of higher education for one of the following two purposes:

- High-quality professional development experiences, such as summer institutes or action research.
- Grants to groups fund collegial study, including study groups, action research, lesson study, or mentoring experiences for faculty or staff new to an assignment.

#### **5. Biology of Manual Therapies (R01)**

**Sponsor:** National Institutes of Health (NIH)

**Deadline:** **recurring through May 2010; Oct 05, 2009, and Feb 05, 2010**

**Amount:** Amount requested should be fitting of the proposed project.

**Web link:** <http://grants1.nih.gov/grants/guide/pa-files/PA-07-393.html>

**Abstract:** The purpose of the program is to encourage the submission of high quality studies of the basic science and mechanisms of action underlying the biomechanical, immunological, endocrinological and/or neurophysiological consequences of manual therapies, such as spinal manipulation, mobilization and massage therapy.

### **Funding Opportunities for the College of Sciences and the Batten College of Engineering and Technology:**

#### **1. Nano and Bio Mechanics (NBM)**

**Sponsor:** National Science Foundation (NSF)

**Deadline:** **Annual full proposal windows are January 15 to February 15, and September 1 to October 1.**

**Web link:** [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13523](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13523)

**Abstract:** This program focuses on the mechanical properties and behavior of biological materials and structures, including cells, tissue, muscles, bones, and prosthetic implants. Research on nanomechanics focuses on the unique properties of nano-scale particles and microstructural features and their effects on the macroscopic mechanics and properties of materials, surfaces, and structures that contain them.

## **2. Condensed Matter Physics (CMP)**

**Sponsor:** National Science Foundation (NSF)

**Deadline:** September 1 - October 31, Annually Thereafter

**Web link:** [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5666](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5666)

**Abstract:** This program supports experimental, as well as combined experiment and theory projects investigating the fundamental physics behind phenomena exhibited by condensed matter systems.

Representative research areas in such systems include: 1) phenomena at the nano- to macro-scale including: transport, magnetic, and optical phenomena; classical and quantum phase transitions; localization; electronic, magnetic, and lattice structure or excitations; superconductivity; and nonlinear dynamics. 2) low-temperature physics: quantum fluids and solids; 1D & 2D electron systems. 3) soft condensed matter: partially ordered fluids, granular and colloid physics, and 4) understanding the fundamental physics of new states of matter as well as the physical behavior of condensed matter under extreme conditions e.g., low temperatures, high pressures, and high magnetic fields. Questions of current interest that span these research areas are: How and why do complex macroscopic phenomena emerge from simple interacting microscopic constituents? What new physics occurs far from equilibrium and why? What is the physics behind the behavior of matter confined to the nanoscale in one or more dimensions? What is the physics of spin systems and quantum states of matter that could lead to their coherent manipulation and control?

## **3. Fluid Dynamics**

**Sponsor:** National Science Foundation (NSF)

**Deadline:** Mar 03, 2010

**Amount:** \$90,000 - \$100,000

**Web link:** [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13365](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13365)

**Abstract:** This program supports experimental as well as combined experiment and theory projects investigating the fundamental physics behind phenomena exhibited by condensed matter systems.

Representative research areas in such systems include (1) phenomena at the nano- to macro-scale including transport, magnetic, and optical phenomena; classical and quantum phase transitions; localization; electronic, magnetic, and lattice structure or excitations; superconductivity; and nonlinear dynamics; (2) low-temperature physics: quantum fluids and solids; 1D and 2D electron systems; (3) soft condensed matter: partially ordered fluids, granular and colloid physics; and (4) understanding the fundamental physics of new states of matter as well as the physical behavior of condensed matter under extreme conditions e.g., low temperatures, high pressures, and high magnetic fields. Questions of current interest that span these research areas are as following:

1. How and why do complex macroscopic phenomena emerge from simple interacting microscopic constituents?
2. What new physics occurs far from equilibrium and why?
3. What is the physics behind the behavior of matter confined to the nanoscale in one or more dimensions?
4. What is the physics of spin systems and quantum states of matter that could lead to their coherent manipulation and control?

#### **4. Electro-Energetic Physics - AFOSR-BAA-2009-01**

**Sponsor:** United States Department of Defense (DOD), Department of the Air Force (USAF)

**Deadline:** Continuous until superseded. Proposals may be submitted at any time during the year.

**Web link:** <http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=8127>

**Abstract:** This Air Force program focuses on high power electromagnetic phenomenology for future applications relating to directed-energy weapons, radar, electronic warfare, and communications. Primary interests currently encompass ideas for advancing the state-of-the-art in

- electron-beam-driven sources of microwave and millimeter-wave radiation (high power microwaves or vacuum electronics),
- compact pulsed power,
- particle-beam physics,
- next-generation combat simulation,
- power-efficient methods to generate and maintain significant free-electron densities in ambient air, as well as
- particle-beam-related micro- or nano-device concepts.

New concepts for the detailed modeling and simulation of the above physical phenomena are also of interest. Regarding new ideas for micro-scale or nano-scale plasma or vacuum electronics device concepts, MEMS concepts that could be applied to a sensor/actuator system for a future smart microwave tube would be exceptionally interesting. Ideas relating to solid-state electronics, space plasmas and/or fusion plasmas are not currently of interest to this program.

#### **5. Research Experiences for Teachers (RET) in Engineering**

**Sponsor:** National Science Foundation (NSF)  
Directorate for Engineering (ENG)  
Division of Engineering Education and Centers (EEC)

**Deadline:** Nov 16, 2009

**Amount:** The maximum funding amount per site is \$500,000 for duration of up to three years

**Web link:** <http://www.nsf.gov/pubs/2007/nsf07557/nsf07557.htm>

**Abstract:** This program supports the active involvement of K-12 teachers and community college faculty in engineering research in order to bring knowledge of engineering and technological innovation into their classrooms. The goal is to help build long-term collaborative partnerships between K-12 science, technology, engineering, and mathematics (STEM) teachers, community college faculty, and the NSF university research community by involving the teachers in engineering research and helping them translate their research experiences and new knowledge of engineering into classroom activities. Partnerships with inner city schools or other high need schools are especially encouraged, as is participation by underrepresented minorities, women, and persons with disabilities. This announcement features two mechanisms for support of in-service and pre-service K-12 teachers and/or community college faculty: RET supplements to ongoing ENG awards and new RET Site awards. RET supplements may be included in proposals for new or renewed NSF Directorate for Engineering (ENG) grants or as supplements to ongoing NSF ENG funded projects. RET Sites are based on independent proposals from engineering departments, schools or colleges to initiate and conduct research participation projects for a number of K-12 teachers and/or community college faculty.

## **6. Environmental Engineering**

**Sponsor:** National Science Foundation (NSF)

**Deadline: February 1, 2010 - March 3, 2010**

**Amount:** \$100,000

**Web link:** [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=501029](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501029)

**Abstract:** The goal of this program is to encourage transformative research which applies scientific principles to minimize solid, liquid, and gaseous discharges into land, inland and coastal waters, and air that result from human activity, and to evaluate adverse impacts of these discharges on human health and environmental quality. The program fosters cutting-edge scientific research based on fundamental science for identifying, evaluating, and developing new methods and technologies for assessing the waste assimilative capacity of the natural environment and for removing or reducing conventional and emerging contaminants from polluted air, water and soils. The program is based on four types of engineering tools - - measurement, analysis, synthesis, and design.

Major areas of interest and activity in the program include:

- Developing innovative biological, chemical, and physical treatment processes to remove and degrade pollutants from water and air
- Measuring, modeling, and predicting the movement and fate of pollutants in the environment
- Developing and evaluating techniques to clean up polluted sites by preserving and enhancing the self-purification ability or waste assimilative capacity of natural environmental systems, such as landfills and contaminated aquifers; restoring the quality of polluted water, air, and land resources, and rehabilitating degraded ecosystems.

## **7. Informal Science Education (ISE)**

**Sponsor:** National Science Foundation  
Directorate for Education & Human Resources  
Research on Learning in Formal and Informal Settings

**Deadline: Preliminary Proposal Due Date(s) (required): June 24, 2010 except CRPA proposals**  
**Full Proposal Deadline(s): November 18, 2010**

**Eligibility:** For Communicating Research to Public Audiences projects ONLY: PI must hold an active NSF-funded research award in any NSF directorate or program.

**Amount: Anticipated Funding Amount:** \$25,000,000 in FY 2010; 40 Approximately 6 Research, 6 Pathways, 20 Full-Scale Development, 3 Broad Implementation, and 5 Communicating Research to Public Audiences awards will be made per year.

**Web link:** <http://www.nsf.gov/pubs/2009/nsf09553/nsf09553.htm>

**Abstract:** Funding is provided for projects that advance understanding of informal STEM learning, that develop and implement innovative strategies and resources for informal STEM education, and that build the national professional capacity for research, development, and practice in the field with five categories of ISE program grants: Research; Pathways; Full-Scale Development; Broad Implementation; and Communicating Research to Public Audiences.

## **8. Measurement Science and Engineering (MSE) Research Grants Programs**

**Sponsor:** Department of Commerce, National Institute of Standards and Technology (NIST)

**Deadline: Rolling.** Applications received after June 1, 2009 may be processed and considered for funding under this solicitation in the current fiscal year or in the next fiscal year, subject to the availability of funds.

**Amount:** \$5,000 - \$500,000

**Web link:**

<http://www.grants.gov/search/search.do;jsessionid=MxrfJvdcHbnS11LmyvCQGyjkhF6qkTlgsh3kMz4PN4QYPTlwP21!448014197?oppId=45413&flag2006=false&mode=VIEW>

**Abstract:** The following programs are soliciting applications for financial assistance for FY 2009: (1) the Electronics and Electrical Engineering Laboratory Grants Program; (2) the Manufacturing Engineering Laboratory Grants Program; (3) the Chemical Science and Technology Laboratory Grants Program; (4) the Physics Laboratory Grants Program; (5) the Materials Science and Engineering Laboratory Grants Program; (6) the Building Research Grants and Cooperative Agreements Program; (7) the Fire Research Grants Program; (8) the Information Technology Laboratory Grants Program; (9) the NIST Center for Neutron Research Grants Program; and (10) Center for Nanoscale Science and Technology Grants Program. The funding instruments used in these programs will be grants and cooperative agreements, as appropriate. Where cooperative agreements are used, the nature of NIST's "substantial involvement" will generally be collaboration with the recipient by working jointly with a recipient scientist in carrying out the scope of work, or specifying direction or redirection of the scope of work due to inter-relationships with other projects requiring such cooperation. When a proposal for a multi-year award is approved, funding will generally be provided for only the first year of the program. The multi-year awards must have scopes of work that can be easily separated into annual increments of meaningful work that represent solid accomplishments if prospective funding is not made available to the applicant, (i.e., the scopes of work for each funding period must produce identifiable and meaningful results in and of themselves.) **It is strongly suggested to first confirm the program objectives with the Program Manager prior to preparing a detailed proposal.**

## **9. NIST Center for Neutron Research (NCNR) Grants Program**

**Sponsor:** United States Department of Commerce (DOC) Technology Administration  
National Institute of Standards and Technology (NIST,) Measurement, Science and Engineering Research Grants

**Deadline: Jun 29, 2010**

**Amount:** For FY 2009 individual awards are expected to range from approximately \$25,000 to \$100,000 per year. There is no cost sharing or matching requirement for the program.

**Web link:**

<http://www.grants.gov/search/search.do;jsessionid=4J7mJwQNI36Rz0F2BQkFkvvqhyphDF1FRkg2m2vv0Jy89gSNjG73!-733028865?oppId=45413&flag2006=false&mode=VIEW>

**Contact Name:** Christopher Hunton, NIST Grants and Agreements Management Division  
Phone: +1(301) 9755718, Email: christopher.hunton@nist.gov

**Abstract:** The Program will provide grants and cooperative agreements for research involving neutron scattering and the development of innovative technologies that advance the state-of-the-art in neutron research. Financial support may be provided for conferences, workshops, or other technical research meetings that are relevant to the mission of the NIST Center for Neutron Research. All proposals submitted to the NCNR Grants Program must be in accordance with the program objectives. These are to create novel approaches to advance high resolution cold and thermal neutron scattering research; to develop new applications of neutron scattering to physics, chemistry, and macromolecular and materials research; and to support the development of innovative technologies relevant to neutron research, including, for example, high resolution two-dimensional neutron detectors, neutron monochromators, and neutron focusing and polarizing devices.

### **10. Center for Nanoscale Science and Technology (CNST) Grants and Cooperative Agreements Program**

**Sponsor:** United States Department of Commerce (DOC) Technology Administration  
National Institute of Standards and Technology (NIST) Measurement, Science and Engineering Research Grants

**Deadline: Continuous.** Applications will be considered on a continuing basis. Applications received after June 1, 2009, may be processed and considered for funding under this solicitation in the current fiscal year or in the next fiscal year, subject to the availability of funds. All applications, paper and electronic, must be received prior to the publication date in the Federal Register of the FY 2010 solicitation for the NIST Measurement, Science and Engineering Research Grants Programs in order to be processed under this solicitation

**Amount:** Individual awards are expected to range from approximately \$40,000 to \$150,000 per year. For the Center for Nanoscale and Science and Technology, proposals will be considered for research projects from one to five years.

**Web link:**

<http://www.grants.gov/search/search.do;jsessionid=MxrfJvvdCHbnS11LmyvCQgyjkhF6qkTlgsh3kMz4PN4QYPTwhP21!448014197?oppId=45413&flag2006=false&mode=VIEW>

**Contact Name:** Christopher Hunton (*Contact for grants administration questions concerning this program*),  
Phone: +1(301) 9755718, Email: christopher.hunton@nist.gov

**Abstract:** The primary program objectives are to develop new measurement methods, instrumentation, and standards for nanotechnology; and explore new areas of nanoscale science and technology in a variety of areas. Areas of interest include nanofabrication, nanomagnetism, theory and modeling, post complementary metal oxide semiconductor electronics, nano electro mechanical systems, nanomotion and nanomanipulation, merging length scales, 2-D and 3-D structural and chemical imaging, electrical and magnetic dynamical response of nanostructures, electrical characterization of nanostructures, and nanoscale properties of soft matter.

Additional objectives of this program are to assist and train CNST collaborators and nanofabrication facility users in their research; and to conduct other outreach and educational activities that advance the development of nanotechnology by U.S. university and industrial scientists. These objectives will entail collaborative research among the selected financial assistance recipients and CNST.

### **11. Instrumentation for Materials Research (IMR) - NSF 07-600**

**Sponsor:** National Science Foundation (NSF); Directorate for Mathematical and Physical Sciences (MPS); Division of Materials Research (DMR)

**Deadline:** January 14, 2010

**Amount:** \$100,000

**Link:** <http://www.nsf.gov/pubs/2007/nsf07600/nsf07600.htm>

**Contact Name:** Charles Bouldin, Program Director; (703) 292-4920; cbouldin@nsf.gov

**Abstract:** The IMR Program supports the acquisition or development of research instruments that will provide new capability or advance current capability to discover fundamental phenomena in materials; synthesize, process, or characterize the composition, structure, properties, and performance of materials; and improve the quality, expand the scope, and foster and enable the integration of research and education in research-intensive environments.

### **12. Shared Instrumentation Grant Program (S10)**

**Sponsor:** Department of Health and Human Services (HHS); National Institutes of Health (NIH); National Center for Research Resources (NCRR)

**Deadline:** March 23, 2010 (Anticipated)

**Amount:** \$100,000-\$500,000

**Link:** <http://grants.nih.gov/grants/guide/pa-files/PAR-09-028.html>

**Contact Name:** Ms. Jenelle D. Wiggins; (301) 435-0843; JWiggins@mail.nih.gov

**Abstract:** The NCRR Shared Instrumentation Grant (SIG) Program solicits applications from groups of NIH-supported investigators to purchase or upgrade commercially available instruments that cost at least \$100,000. Types of instruments supported include confocal and electron microscopes, biomedical imagers, mass spectrometers, DNA sequencers, biosensors, cell sorters, X-ray diffraction systems, and NMR spectrometers among others.

### **13. Chemistry Research Instrumentation and Facilities: Instrument Development (CRIF:ID) - NSF 04-534**

**Sponsor:** National Science Foundation (NSF); Directorate for Mathematical and Physical Sciences (MPS); Division of Chemistry (CHE); Chemistry Research Instrumentation and Facilities (CRIF)

**Deadline:** January 26, 2010 (Anticipated deadline)

**Link:** [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=6167](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6167)

**Contact Name:** Carlos A. Murillo, Program Officer; (703) 292-4970; cmurillo@nsf.gov

**Abstract:** The CRIF Program is structured to enable the NSF's Division of Chemistry to respond to a variety of needs for infrastructure - instrumentation and facilities - that promotes basic research and education in areas traditionally supported by the division. The Instrument Development component of CRIF (CRIF: ID) provides funds for the design and construction of instruments that will enable new chemical measurements or will significantly broaden the use of chemical instrumentation.

#### **Funding Opportunities for the College of Health Sciences:**

##### **1. Exploratory Studies in Cancer Detection, Diagnosis, and Prognosis (R21)**

**Sponsor:** NIH

**Deadline:** recurring through Sept. 2012 – Oct 16, Feb 16, Jun 16

**Eligibility:** Any individual(s) with the skills, knowledge, and resources necessary to carry out the proposed research as the PD/PI is invited to work with his/her organization to develop an application for support

**Amount:** up to \$275,000 in direct costs over a two year period

**Program Announcement #:** PA-08-267

**Web link:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-267.html>

**Abstract:** This program encourages studies of developing and testing innovative methods in cancer detection, diagnosis, and prognosis. The NCI is especially interested in research studies that focus on the development and testing of improved methods for detecting specific characteristics of cancer, which can be subsequently used for the clinical management of cancer patients or individuals who are at risk for (developing) cancer. It is important that research studies focus on the search for molecular and cellular differences between tumors, pre-malignant, or normal tissues. The studies should determine the clinical translational significance of these differences by correlation with clinical parameters, in order to answer clinical problems related to detection, diagnosis, treatment, and prognosis.

##### **2. Prevention Research with HIV Positive Individuals (R03)**

**Sponsor:** NIH

**Deadline:** recurring through Jan. 2011 - Oct 16, Feb 16, Jun 16

**Eligibility:** Any individual(s) with the skills, knowledge, and resources necessary to carry out the proposed research as the PD/PI is invited to work with his/her organization to develop an application for support.

**Amount:** up to \$100,000 in direct costs over a two year period

**Program Announcement #:** PA-08-108

**Web Link:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-108.html>

**Abstract:** This Funding Opportunity Announcement (FOA) issued by the National Institute Mental Health (NIMH), National Institute of Nursing Research (NINR), and Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites interdisciplinary studies addressing the psychosocial and behavioral consequences of HIV disease. Over the past decade, secondary prevention in HIV disease, or “positive prevention”, has received a much needed increase in attention. Gains have been made toward the aim of decreasing HIV transmission behaviors and improving quality of life among individuals living with HIV/AIDS, as well as understanding factors that are important to healthy coping. In this program announcement, further opportunities for innovation in this field are indicated. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

### **3. Integrating Biobehavioral and Sociocultural Research to Prevent HIV Transmission and Infection (R21)**

**Sponsor:** NIH

**Deadline:** recurring through May 2011 - Oct 16, Feb 16, Jun 16

**Eligibility:** Any individual(s) with the skills, knowledge, and resources necessary to carry out the proposed research as the PD/PI is invited to work with his/her organization to develop an application for support.

**Amount:** up to \$275,000 in direct costs over a two year period

**Alternative Mechanism:** R01

**Program Announcement #:** PA-08-189

**Web Link:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-189.html>

**Abstract:** This funding opportunity announcement (FOA) solicits Research Project (R21) grant applications from applicant organizations to develop theoretically grounded approaches to prevention of HIV infection and transmission that incorporate biobehavioral approaches in studies that are culturally appropriate. Biobehavioral approaches may be biomedical, or they may consist of behavioral interventions using biological markers of efficacy. Sociocultural appropriateness involves, at minimum, application of knowledge of the norms, beliefs and values of potential research subjects in varied contexts, and an appreciation of culture as dynamic. It is anticipated that such knowledge will improve both the quality and applicability of research among the diverse populations affected by the pandemic, in the US or abroad. Intervention and pre-intervention studies are welcomed, but descriptive ethnographic and epidemiological research is still needed in some areas. For example, descriptive research may delineate the impact of

cultural variables on behaviors that impede or promote biological markers (e.g., seroconversion), lead to a better understanding of ethical concerns in biomedical preventive studies, or may illuminate as yet unrecognized issues concerned with adherence to prevention interventions. Intervention studies should evaluate the efficacy of biomedical interventions, or of behavioral interventions that also use biological variables, in light of the sociocultural context.

#### **4. Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21)**

**Sponsor:** NIH

**Deadline:** recurring through Jan. 2011 - Oct 16, Feb 16, Jun 16

**Eligibility:** Any individual(s) with the skills, knowledge, and resources necessary to carry out the proposed research as the PD/PI is invited to work with his/her organization to develop an application for support.

**Amount:** up to \$275,000 in direct costs over a two year period

**Alternative Mechanism:** R03

**Program Announcement #:** PA-08-008

**Web Link:** <http://grants1.nih.gov/grants/guide/pa-files/PA-08-008.html>

**Abstract:** This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.

#### **5. Bioenergetics, Fatigability, and Activity Limitations in Aging (R01)**

**Sponsor:** NIH

**Deadline:** recurring through Sept. 2012 – Feb. 5, June 5, Oct. 5

**Amount:** Amount requested should be fitting of project

**Duration:** 5 years

**Program Announcement #:** PA-09-190

**Web Link:** <http://grants.nih.gov/grants/guide/pa-files/PA-09-190.html>

**Abstract:** This announcement encourages Research Project Grant (R01) applications proposing to study bioenergetic factors underlying increased fatigability and activity limitations in aging. Increased fatigability is a significant cause of restricted physical and cognitive activity in older adults. Alterations in bioenergetics—the production and utilization of energy, and the regulation of these processes—may contribute significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life. The R03 and R21 are also available mechanisms.

## **6. Academic-Community Partnership Conference Series (U13)**

**Sponsor:** NIH

**Deadline: recurring – LOI: Feb. 2, 2010; Feb. 2, 2011; Application: March 2, 2010; March 2, 2011**

**Amount:** \$30,000 per year, indirect not allowed

**Duration:** 3 years

**Program Announcement #:** PAR-09-092

**Web Link:** <http://grants.nih.gov/grants/guide/pa-files/PAR-09-092.html>

**Abstract:** This announcement solicits NICHD Cooperative Agreement Conference (U13) applications to conduct health disparities-related meetings, workshops, and symposia. The objectives of these meetings will be to establish academic-community partnerships, identify community-research priorities, and develop long-term collaborative agendas. Areas of focus for these partnerships may include one or more of the following community-health issues infant mortality; sudden infant death syndrome (SIDS); violence prevention; techniques for outreach and information dissemination; childhood, adolescent, and/or adult obesity; health literacy; uterine fibroid tumors; and pediatric and maternal HIV/AIDS prevention.

## **7. The Commonwealth Health Research Board**

**Target:** entire college

**Deadline: concept papers: Oct. 1, 2009; grant proposals: Feb. 1, 2010**

**Duration:** The maximum amount of a one-year award is \$100,000. The maximum amount for a two-year award is \$200,000.

**Web Link:** <http://www.chrb.org/Guidelines%20&%20Forms.htm>

**Abstract:** This program focusing on traditional medical and biomedical research related to the causes and cures of human diseases as well as research related to human health services and the delivery of human health care should maximize the health of Virginia's citizens.

More specifically, in accordance with § 23-279 of the *Code of Virginia*, the Board encourages collaborative research efforts among two or more institutions or organizations, gives priority to those research efforts where Board support can be leveraged to foster contributions from federal agencies or other entities, and supports both new research efforts and the expansion or continuation of existing research efforts.