

Funding Opportunities Bulletin March 2009

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If questions regarding *COS*, please contact Alicia Reed at amreed@ku.edu or 864-7771, or Dan Coonfield at dcoonfie@ku.edu or 864-7404.

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BUSINESS

See also opportunities listed under MULTIPLE DISCIPLINES

Appraisal Institute Education Trust Scholarship

Appraisal Institute

Deadline: March 15, 2009

A scholarship for United States citizens, graduate and undergraduate students, majoring in real estate appraisal, land economics, real estate or allied fields. The scholarships are primarily awarded on the basis of academic excellence and are intended to help finance the educational endeavors of individuals concentrating their studies in the aforementioned areas.

For further information: <http://www.appraisalinstitute.org/education/scholarship.aspx>

Economics Research Grant Competition

Economics Education and Research Consortium (EERC)

Deadline: April 12, 2009

The goal of the competition is to support policy-relevant research projects under five priority areas. During the grant period, research outputs are peer reviewed by thematic expert panels at EERC semi-annual research workshops. Research supervision is also provided through consultations with program staff and resource persons. The best findings are published as working papers and policy briefs, and are freely accessible on the web.

Proposals are solicited in the following five areas with relevance to current policy concerns in the CIS:

1. Enterprises and product markets
2. Labor markets and social policy
3. Macro, financial markets and open economy
4. Public economics
5. International trade and regional integration

For further information: <http://www.eerc.ru/default.aspx?id=247&IDWorkshop=25>

M.B.A. Scholarship Program

National Black MBA Association, Inc. (NMBBAA)

Deadline: April 17, 2009

The NMBBAA National MBA Scholarship Program awards scholarships to the top 25 candidates identified through our annual essay competition. Recipients are selected based upon their written response to an essay topic, most recent grade point average, verbal communication skills, and level of extra-curricular activities and community involvement. The scholarship package includes monetary awards, travel, accommodations and registration to our annual Conference, scholarships from \$2,500 to \$15,000.

For further information:

<http://www.nmbbaa.org/index.aspx?pageid=789&scholarship+programs&>

FINRA Investor Education Foundation Grant Program

FINRA Investor Education Foundation

Deadline: May 6, 2009

Through its grant program, the FINRA Investor Education Foundation funds research and educational projects that support its mission of providing underserved Americans with the knowledge, skills, and tools necessary for financial success throughout life. In 2008, the foundation is especially interested in applications that focus on the following areas:

1. New marketing and distribution channels for financial and investor education
2. Helping Americans manage their finances and investments in retirement
3. Meeting the financial and investor education needs of underserved audiences
4. Using behavioral finance to improve saving and investing

The FINRA Foundation places a high priority on reaching and engaging a well-defined target audience, and encourages collaboration and partnerships that facilitate effective marketing and distribution efforts. Successful education projects will have measurable impact and reach large audiences in a cost-effective manner. Preference will be given to projects that can be replicated and sustained beyond the term of grant funding. For research projects, the foundation is especially interested in work that has practical applications in the financial and investor education field.

For further information: <http://www.finrafoundation.org/grants.asp>

EDUCATION

See also opportunities listed under MULTIPLE DISCIPLINES

Dollar General Adult Literacy Grants

Dollar General

Deadline: March 4, 2009

The Dollar General Adult Literacy Grants award funding to non-profit organizations that provide direct service to adults in need of literacy assistance. Organizations must provide assistance in one of the following instructional areas:

- Adult basic education
- General education diploma preparation
- English for speakers of other languages

For further information:

<http://www.dollargeneral.com/Community/Pages/GrantPrograms.aspx#adulthoodliteracy>

Academic Advising Research Support Grant

National Academic Advising Association (NACADA)

Deadline: March 15, 2009

NACADA has a long history of supporting research within the academic advising field. Currently the association, through its research committee, has a particular interest in soliciting proposals that document the outcomes of different advising models. In addition, submissions are encouraged that are concerned with the developing, conducting, and reporting of empirical studies; evaluation or analysis of advising practices, models, or systems; development, evaluation, or analysis of advising-based theory; studies of the history, evolution, and future of the field; empirical research related to the advising process (inter- and intra-personal dimensions); and qualitative research on advising practices.

For further information: http://www.nacada.ksu.edu/Clearinghouse/Research_Related/Grant-Guidelines.htm

ENGINEERING & COMPUTER SCIENCE

See also opportunities listed under MULTIPLE DISCIPLINES

Science and Engineering Research Program

W. M. Keck Foundation

Deadline: May 1, 2009

The W.M. Keck Foundation's Science and Engineering Research Program seeks to benefit humanity by supporting high-risk/high-impact projects that are distinctive and novel in their approach to intractable problems, push the edge of their field, or question the prevailing paradigm. Past grants have been awarded to major universities and independent research institutions to support pioneering science and engineering research and the development of promising new technologies, and to facilitate the purchase of advanced instruments where such instruments would further research ideas.

For further information: <http://www.wmkeck.org/programs/science.html>

Broadening Participation in Computing (BPC) - NSF 09-534

National Science Foundation (NSF)

Deadline: May 13, 2009

The BPC program aims to significantly increase the number of U.S. citizens and permanent residents receiving postsecondary degrees in the computing disciplines, with an emphasis on students from communities with longstanding underrepresentation in computing. Those underrepresented groups are women, persons with disabilities, African Americans, Hispanics, American Indians, Alaska Natives, Native Hawaiians, and Pacific Islanders. The BPC program seeks to engage the computing community to develop and implement innovative methods, frameworks, and strategies to improve recruitment and retention of these students through undergraduate and graduate degrees. Projects that target stages of the academic pipeline from middle school through the early faculty ranks are welcome. New with this solicitation is the emphasis on national impact: All BPC projects must have the potential for widespread impact. That is, they should either develop an effective practice that could be widely deployed or they should deploy existing effective practices so as to reach larger audiences.

The BPC program will support three categories of awards: Alliances, Demonstration Projects, and Leveraging, Scaling, or Adapting Projects.

Alliance and Alliance Extension Projects are broad coalitions of academic institutions of higher learning, secondary (and possibly middle) schools, government, industry, professional societies, and other not-for-profit organizations that design and carry out comprehensive programs addressing underrepresentation in the computing disciplines. They have a large regional or national scope. Typically, Alliances operate across multiple stages of the academic pipeline and address multiple targeted groups. Together, Alliance participants (1) develop and implement interventions that support students and early career faculty, (2) create sustainable changes in

culture and practices at the institutional, departmental, and organizational levels, (3) serve as models and contribute to repositories for effective practices to broaden participation, and (4) leverage the work of existing BP efforts and other Alliances. Competitive projects will have significant impact both in the quality of opportunities afforded to participants and in the number of participants potentially served. Successful Alliances are eligible to compete for additional funding: an Alliance Extension increases the duration of the Alliance award as well as its scope, introducing additional targeted student groups, partners, and/or projects.

Demonstration Projects (DPs) are more focused than Alliance projects. Typical DPs pilot innovative programs that, once fully developed, could be incorporated into the activities of an Alliance or otherwise scaled for widespread impact. Projects might, for example, be proposed by a single institution or might focus on a single underrepresented community, a single point in the academic pipeline, or a single impediment to full participation in computing.

Leveraging, Scaling, or Adapting (LSA) Projects are intended to extend the impact of our most effective practices through leveraging, scaling and/or adaptation. Typical LSA projects will use existing organizational structures and demonstrated best practices. They can leverage the work of BPC-funded Alliances or DPs, as well as efforts by other organizations. They might, for example, copy and adapt a successful regional Alliance infrastructure for a new region, combine and leverage the work of two or more Alliances, adapt an effective intervention for a different audience, or take an effective intervention and implement it across an Alliance or other organization with a broad reach.

All BPC projects have significant assessment and evaluation efforts with both formative and summative components.

For further information: <http://www.nsf.gov/pubs/2009/nsf09534/nsf09534.html>

Course, Curriculum, and Laboratory Improvement (CCLI) - NSF 09-529

National Science Foundation (NSF)

Deadline: Type-1: May 21, 2009

Type-2: May 22, 2009

The CCLI program seeks to improve the quality of science, technology, engineering, and mathematics (STEM) education for all undergraduate students. It especially welcomes proposals that have the potential to transform undergraduate education in science, technology, engineering, and mathematics (STEM) for all students. The program supports efforts to create, adapt, and disseminate new learning materials and teaching strategies to reflect advances both in STEM disciplines and in what is known about teaching and learning. It funds projects that develop faculty expertise, implement educational innovations, assess learning and evaluate innovations, prepare K-12 teachers, or conduct research on STEM teaching and learning. It also supports projects that further the work of the program itself, for example, synthesis and dissemination of findings across the program. The program supports projects representing different stages of development, ranging from small, exploratory investigations to large, comprehensive projects.

Results from Type 1 projects are expected to be significant enough to contribute to

understanding undergraduate STEM education. Proposed evaluation efforts should be informative with respect to student learning or engagement, based on the project's specific expected outcomes, and consistent with budget limitations and the scope of a Type 1 project. In order to encourage collaboration between four-year colleges and universities and two-year colleges, projects involving such collaboration may request additional funding. In such partnerships, the distribution of effort and funds between the four-year institution and the community college should reflect a genuine collaboration.

Type 2 projects will typically address more than one program component, or, if they focus on a single component, will address it at a scale that goes well beyond a single institution. Projects that involve a single institution need to be working toward systemic change across the STEM disciplines. Projects that continue from previous work should include an explicit discussion of the results and impact produced by that work. Type 2 projects should carry the development to a state in which the evaluations of the projects have evidence to support the claim that the projects' efforts are effective. In turn the evaluation results can inform further use, such as in distributing the project widely or seeking commercialization. At a minimum, the implementation, if successful, should be institutionalized at the participating colleges and universities.

For further information: <http://www.nsf.gov/pubs/2009/nsf09529/nsf09529.html>

Mobile Ad Hoc Interoperability Network GATEway (MAINGATE) - BAA08-21

United States Department of Defense (DOD)

Deadline: May 29, 2009

The DARPA Strategic Technology Office is looking to develop the next generation Network Centric Radio System (NCRS), with additional capabilities and an assured affordable unit price to the user. DARPA envisions two critical technologies for achieving these new goals:

1. A backbone radio architecture that enables a versatile Internet Protocol (IP) network
2. A radio gateway that enables legacy analog and digital communications systems to be internet-worked.

As with NCRS, the MAINGATE will enable heterogeneous groups of radios to be integrated into a heterogeneous network tolerant to high latency and packet loss. The technologies developed for the program will permit affordable, tactical, real-time, high fidelity video, data, and voice services to be deployed in a networked environment to support tactical operations in either Maneuver or Dismounted operations. As a result of this effort, DARPA expects a clear demonstration of advanced mobile ad hoc network (MANET) gateway technology that will incorporate a wireless IP-capable network, which provides interconnectivity between nodes bridging heterogeneous mixtures of radio networks. A unique characteristic of the MAINGATE program is the integration of a default IP radio network as part of the gateway.

For further information:

https://www.fbo.gov/index?s=opportunity&mode=form&id=6da0ca978b4d5b0f10f890fdd9d5f55e&tab=core&_cvview=1

FINE ARTS

Grants for Arts Projects/Access to Artistic Excellence

National Endowment for the Arts

Deadline: Access to Artistic Excellence: **March 12, 2009**

Challenge America: Reaching Every Community Fast-Track Review Grants:
May 28, 2009

Learning in the Arts for Children and Youth: **June 11, 2009**

The National Endowment for the Arts is interested in projects, regardless of the size or type of applicant organization, that are of national, regional, or field-wide significance; that tour in several states; or that provide an unusual or especially valuable contribution because of geographic location. This includes local projects that can have significant effects within communities or that are likely to serve as models for a field.

Grants are available for projects in the following arts disciplines: dance; design; folk and traditional arts; literature; media arts: film/radio/television; music; musical theater; opera; presenting; theater; visual arts. Grants are also available for multidisciplinary projects, local arts agencies; and museums.

An organization may submit only one application through one of the following FY 2010 *Grants for Arts Projects* categories. For most organizations, these categories represent the full range of funding options for the entire year. Applicants should examine the goal and purposes of their project as well as the review criteria of these three categories, and apply to the one category that is most relevant.

Grants are available in three categories:

1. Access to Artistic Excellence
2. Challenge America "Reaching Every Community" Fast-Track Review Grants
3. Learning in the Arts for Children and Youth

For further information: <http://www.arts.gov/grants/apply/Artsed.html>

Smithsonian Center for Education and Museum Studies Internships

Smithsonian Center for Education and Museum Studies (SCEMS)

Deadline: March 15, 2009

The Smithsonian Center for Education and Museum Studies provides leadership in education at the Smithsonian and produces a variety of programs, services, and resources for the education and museum communities. The Center studies education at the Institution and builds consensus on standards for strengthening its educational programs, publications, and websites. The mission of the Smithsonian Center for Education and Museum Studies (SCEMS) is to interpret the collective knowledge of the Smithsonian and serve as a gateway to the Institution's education resources. Through research, publishing, and staff development programs for the education and

museum communities, the Center promotes the understanding and use of museums. Internships are offered in education and outreach, museum studies, and publications. The minimum term is two months.

For further information: <http://www.si.edu/ofg/intern.htm>

Global Connections

Meet the Composer

Deadline: May 1, 2009

Global Connections helps ensure that international audiences see and hear the impressive and creative range of work offered by today's living composers. It also helps support the creative and professional development of living composers through the performance of their work worldwide.

Global Connections provides support for U.S.-based composers to travel abroad for the live performance of their works or for research and development. Support is also available for performing and presenting organizations in the United States to sponsor short residencies for composers based outside the country.

For further information: <http://www.meetthecomposer.org/programs>

HUMANITIES

See also opportunities listed under MULTIPLE DISCIPLINES

21st Century Museum Professionals - CFDA 45.307

Institute of Museum and Library Services (IMLS)-Museum Grants

Deadline: March 16, 2009

Museum professionals need high levels of knowledge and expertise as they help create public value for the communities they serve. The purpose of the 21st Century Museum Professionals program is to increase the capacity of museums by improving the knowledge and skills of museum professionals. 21st Century Museum Professionals grants are intended to have an impact upon multiple institutions by reaching broad groups of museum professionals throughout a city, county, state, region, or the nation. Grants fund a broad range of activities, including the development and implementation of classes, seminars, and workshops; resources to support leadership development; collection, assessment, development or dissemination of information that leads to better museum operations; activities that strengthen the use of contemporary technology tools to deliver programs and services; support for the enhancement of pre-professional training programs; and organizational support for the development of internship and fellowship programs.

For further information: <http://www.ims.gov/applicants/grants/21centuryMuseums.shtm>

Constant H. Jacquet Research Awards

Religious research Association

Deadline: April 1, 2009

Members of the Association are entitled to compete for small research grant awards annually. The 2009 total purse is \$18,000. Grants in excess of \$4,000 to a single recipient/agency are rare. Applied, client-centered projects are given priority, but basic research is also regularly funded.

The Committee especially encourages proposal submissions from scholars who are in the early stages of their careers, as well as proposals from students. Applicants are required to be members of the RRA. Full-time students may join the Association at the time of their application. All others must hold membership in the RRA for at least one full year prior to the application deadline.

Funding may be used for research expenses and release time, but not for supplemental income or capital equipment. Because funds are limited, applicants are also encouraged to seek support from alternative sources of funding.

For further information: <http://rra.hartsem.edu/constant.htm>

Publication Grants

Society for the Preservation of American Modernists

Deadline: April 1, 2009

Through an annual series of Publication Grants, the Society for the Preservation of American Modernists (SPAM) supports the authorship of articles or books by independent scholars, writers, students and professionals in the following subject areas: the artistic contributions of the American modernists, and the history of public and private support for the arts in the United States. Either of these areas may be explored in a successful application.

Publication Grants are intended to encourage non-academics to do original research, and to encourage academics to make their research accessible to the public. SPAM will include the work--published or unpublished--in all SPAM research archives and databases.

For further information: http://www.americanmodernists.org/grant_public.html

Grant Program for Projects on Multicultural Activities

American Speech-Language-Hearing Association (ASHA)

Deadline: April 3, 2009

The American Speech-Language-Hearing Association (ASHA) recognizes the value of supporting the infusion of multiculturalism into our clinical, educational, and professional programs; and the activities of allied/related associations and organizations. ASHA requests proposals for the Grant Program for Projects on Multicultural Activities that have a multicultural focus. Multicultural is defined to include issues dealing with race, ethnicity, language, gender or

gender identification, age, sexual orientation, and disability. There is particular interest in, but not limited to, proposals that respond to one or more of ASHA's Strategic Initiatives from ASHA's Strategic Pathway to Excellence. Projects must

- be compatible with ASHA's mission and vision;
- have a clear high-quality plan for meeting its objectives;
- be completed, including evaluation, within 12 months of initiation of the project;
- be adaptable by other clinical or school-based programs, university programs, state associations, and associated and related professional organizations for their own use; and
- describe what will happen to the project once ASHA funding has ended.

For further information: <http://www.asha.org/about/leadership-projects/multicultural/funding/rfp.htm>

Bogliasco Fellowship Program

Bogliasco Foundation

Deadline: April 15, 2009

Located on the Italian Riviera in the village of Bogliasco, the Liguria Study Center for the Arts and Humanities provides residential fellowships for qualified persons working on advanced creative or scholarly projects in the arts and humanities. Fellowships are awarded to qualified persons doing advanced creative work or scholarly research in the following disciplines: archaeology, architecture, classics, dance, film or video, history, landscape architecture, literature, music, philosophy, theater, and visual arts. Applicants must submit descriptions of the projects that they intend to pursue in Bogliasco. An approved project is presumed to lead to the completion of an artistic, literary, or scholarly work, followed by publication, performance, exhibition, or other public presentation.

For further information: <http://www.liguriastudycenter.org/english/fellowships.cfm>

INTERNATIONAL AREA STUDIES

See also opportunities listed under HUMANITIES and MULTIPLE DISCIPLINES

International Summer School Irish Studies Scholarships - Estyn Evans Scholarship and John Fairleigh

Queen's University Belfast- Institute of Irish Studies

Deadline: March 24, 2009

The three-week International Summer School in Irish Studies attracts students from around the world. Lectures and seminars are given by internationally acclaimed scholars on various aspects of the study of Ireland, including history, politics, anthropology, film and theatre, language and literature. Teaching is combined with field trips to sites of historic, political, scientific and cultural interest in Northern Ireland. Students will be given the opportunity to meet and have discussions with representatives of Northern Ireland's political parties.

For further information:

<http://www.qub.ac.uk/schools/IrishStudiesGateway/ProspectiveStudents/InternationalSummerSchool/>

Program for Cultural Cooperation-Research in Spain

Learning Abroad Center- University of Minnesota

Deadline: April 1, 2009

Applications submitted by scholars in the US who wish to undertake or complete research projects in Spain are considered. These academic investigations are evaluated on the basis of scholarly quality as well as relevance to the dissemination of Spanish culture in the US. The program only covers up to 50% of the cost. If you have no matching institutional funds, indicate that you will be covering the other 50% out of your own funds. Salaries are not subsidized, so do not list sabbatical salary as a matching fund.

For more information: <http://www.umabroad.umn.edu/pcc/#research>

SASS Swedish Travel Grant

Swedish Information Service

Deadline: April 15, 2009

The Society for the Advancement of Scandinavian Study (SASS) Swedish Travel Grant is an academic travel grant in support of study or research in Swedish literature, culture, or social sciences.

For more information: http://www.swedenabroad.com/pages/general___18552.asp

Title VIII Short-Term Travel Grants for Research in Central Asia, the Caucasus, and the Balkans

National Council for Eurasian and East European Research (NCEEER)

Deadline: April 15, 2009

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.

Short-term travel grants are individual grants to scholars or researchers which may be used for up to two months for the following purposes:

1. Enabling scholars and researchers to get quick access to research resources in the relevant subregions
2. Refresher visits to areas for particular topics in already established research work
3. Research planning with colleagues from the subregions on broader multi-year projects already funded or to be funded by other sources
4. Creation of databases or research aids such as archival guides
5. On an exceptional basis, inviting scholars or researchers from the subregions to the United States for conferences and special collaborative research opportunities

The Short-Term Travel Grant program is meant to support research that is relevant to U.S. policy toward Central Asia, the Caucasus, and the Balkans. Applicants may apply a broad definition of

"policy relevance." Research that is "policy relevant" does not necessarily need to focus directly on a matter of current and intense concern to U.S. government policy makers. Projects in fields such as history, popular culture, and other matters that may be outside the immediate purview of government officials are eligible for funding, as long as the applicant explains convincingly why the research is relevant at some level, even indirectly, to the formation of policy.

For further information: <http://www.nceeer.org/Programs/STTG/sttg.php>

North American Research Linkages Grant

Canadian Embassy - Washington, D.C.

Deadline: May 1, 2009

This program is designed to facilitate North American collaboration within the academic community. The program aims to foster the development of permanent exchange networks by providing assistance to teams of researchers from Canada, the United States and Mexico in order to organize seminars, workshops, or other forms of research linkages. Foreign Affairs and International Trade Canada will offer grants to assist in the establishment or the development of North American research networks in support of projects that have policy relevance for the North American agenda.

Topics that are highly relevant to Canada-United States-Mexico relations include sustainable development (including energy and the environment), human capital (e.g. people-to-people linkages), security and public safety, economic competitiveness and innovation, cross-border cooperation, and culture and identity.

Purely scientific subjects such as physics, chemistry, medicine, engineering, etc., which would not lead to a better knowledge and understanding of Canada and North American issues per se are not eligible, nor are proposals that focus exclusively on technological or methodological issues.

For further information: <http://www.international.gc.ca/studies-etudes/narlp-pnarr.aspx?lang=en>

MEDICINE & LIFE SCIENCES

See also opportunities listed under MULTIPLE DISCIPLINES

Idea Development Award and Synergistic Idea Development Award

Department of Defense Congressionally Directed Medical Research Programs- Prostate Cancer Research Program (PCRP)

Deadline: Pre-Application: March 3, 2009

Full Proposal: June 10, 2009

The overall goal of the FY09 PCRP is to find and fund innovative, high-impact research relevant to the prevention, detection, diagnosis, and/or treatment of human prostate cancer. Specifically, the PCRP seeks to:

- Support innovative research by individual investigators in multiple disciplines;
- Sponsor multidisciplinary team science to bring together diverse expertise and approaches that will accelerate the conquering of prostate cancer;
- Fund translational research to promote the bench-to bedside-to-bench transition between basic and clinical science;
- Foster the next generation of prostate cancer investigators through mentored research and training;
- Promote research into prostate cancer health disparities, including, but not limited to, race and ethnicity, socioeconomic status, access to health care, insurance status, age, geography, and cultural beliefs; and
- Promote research on patient survivorship, life extension, and quality of life.

Idea Development Award

Applications for the PCRCP Idea Development Award must address **one or more** of the focus areas and have a direct relevance to prostate cancer prevention, detection, diagnosis and/or treatment. Applications will be rated on their responsiveness to the FY09 PCRCP focus areas, which are as follows:

Imaging: Development of new imaging technology for the detection, prognosis, and treatment of prostate cancer.

Biomarkers: Discovery and validation of biomarkers for the detection, prognosis, and progression of prostate cancer, including determination of therapeutic response.

Therapy: Identification of new targets, pathways, and therapeutic modalities or molecules for the treatment of prostate cancer.

Genetics: Understanding the genetics and epigenetics responsible for prostate cancer susceptibility, disease progression, and treatment outcomes.

Tumor Biology: Understanding the etiology of prostate cancer, including the heterogeneity and microenvironment as it relates to initiation, progression, and prognosis.

Survivorship: Studies on the impacts of treatment, nutrition, metabolism, and exercise on the well being of prostate cancer patients and their families.

Synergistic Idea Development Award

Applications for the PCRCP Synergistic Idea Development Award must address one or more of the focus areas and have a direct relevance to prostate cancer prevention, detection, diagnosis and/or treatment. Applications will be rated on their responsiveness to the FY09 PCRCP focus areas, which are as follows:

Imaging: Development of new imaging technology for the detection, prognosis, and treatment of prostate cancer.

Biomarkers: Discovery and validation of biomarkers for the detection, prognosis, and progression of prostate cancer, including determination of therapeutic response.

Therapy: Identification of new targets, pathways, and therapeutic modalities or molecules for the treatment of prostate cancer.

Genetics: Understanding the genetics and epigenetics responsible for prostate cancer susceptibility, disease progression, and treatment outcomes.

Tumor Biology: Understanding the etiology of prostate cancer, including the heterogeneity and microenvironment as it relates to initiation, progression, and prognosis.

Survivorship: Studies on the impacts of treatment, nutrition, metabolism, and exercise on the well being of prostate cancer patients and their families.

For further information: <http://cdmrp.army.mil/funding/pcrp.htm>

Breast Cancer Research Program Innovator Award

Department of Defense Congressionally Directed Medical Research Programs

Deadline: Pre-application: March 12, 2009

Full Proposal: June 17, 2009

The BCRP Innovator Award was first offered in FY01. Since that time, 182 Innovator Award applications have been received and 17 have been recommended for funding. The Innovator Award supports visionary individuals who have demonstrated creativity, innovative work, and leadership in any field including, but not limited to, breast cancer. These individuals will have the most potential for future ground-breaking achievements in breast cancer. The Innovator Award will provide these individuals with the funding and freedom to pursue their most novel, visionary, high-risk ideas that could ultimately lead to the eradication of breast cancer. The Individuals may be from diverse organizations including, but not limited to, academic institutions, advocacy groups, government agencies, the private sector, the media, and/or professional societies. Since the intent of the Innovator Award mechanism is to recognize creative and innovative individuals rather than projects, the central feature of the award is the innovative contribution that the recipient can make to the eradication of breast cancer. As such, an individual selected to submit a full application is required to submit an essay addressing his/her area(s) of focus and how he/she will use the award to pursue his/her most creative vision in breast cancer research. The primary criteria for making these awards will be an individual's past record of creativity, their promise for continued innovation in future work, and an indication of how this award will create and further innovative strategies to solve the breast cancer problem.

Experience in breast cancer research is not required; however, the application must focus on breast cancer, and it is expected that the recipient will commit a minimum of 50% of his/her full-time professional effort to breast cancer research during the tenure of this award.

For further information: https://cdmrp.org/Nomination/nomination.cfm?ATM_ID=544

Clinical Trial and IDEA Award

Department of Defense Congressionally Directed Medical Research Programs Autism Research Program

Deadline: Pre-application: March 17, 2009

Full Proposal: July 22, 2009

The FY09 ARP encourages applications that address critical needs of the autism community in the following areas:

- Co-morbidity: (e.g., manifestations such as disorders [gastrointestinal, sleep, behavioral, speech/language], psychiatric, seizures, immune dysfunction, motor and sensory deficits, metabolic dysfunction, and effects of ASD on intellectual ability)
- Predictors for Treatment Outcome: Identification of biomarkers, clinical characteristics, or other phenotypic markers that predict outcomes of a treatment (traditional or complementary and alternative), or populations that will or will not respond to a treatment

Clinical Trial

The ARP CTA supports clinical trials with the potential to have a major impact on the treatment or management of ASD. Funding from this award mechanism cannot be used for preclinical research studies. Refer to the Application Instructions and General Information, Appendix 6, for helpful information about distinguishing clinical trials and clinical research. The proposed clinical trial is expected to begin no later than 12 months after the award date.

IDEA Award

The ARP Idea Award supports high-impact, innovative research that advances the understanding of ASD and leads to improved quality of life for individuals with ASD. *The Idea Award is designed to promote new ideas; therefore, proposals need not include preliminary data. Clinical trials are not allowed under this award mechanism.* Principal Investigators (PIs) wishing to apply for funding for a clinical trial should utilize the Clinical Trial Award mechanism.

Important aspects of the Idea Award are as follows:

- 1. Impact:** The proposed research should have a significant potential impact on the concepts or methods that drive the field of ASD research. The proposed research is expected to make an important and original contribution to advancing the understanding of ASD and lead to improved quality of life for individuals with ASD.
- 2. Innovation:** Research that is deemed innovative may represent a new paradigm or look at existing problems from new perspectives. Research may be innovative in study concept, research methods or technology, clinical interventions, or adaptations of existing methods or technologies. Research that represents an incremental advance on previously published work is not considered innovative.

For further information: <http://cdmrp.army.mil/funding/arp.htm>

Investigator-Initiated Research Award, Technology/Therapeutic Development Award, Clinical Trial Award

Department of Defense Peer Reviewed Medical Research Program (PRMRP)

Deadlines: Pre-Application Letter of Intent: March 19, 2009

Full Proposal: April 16, 2009

The Fiscal Year 2009 (FY09) Defense Appropriations Act provides \$50 million to the Department of Defense Peer Reviewed Medical Research Program (PRMRP) to support scientifically meritorious proposals that may impact the field of research and/or patient care across a diverse range of diseases and disorders. Specifically, the FY09 PRMRP is soliciting research applications across the following 19 congressionally-directed topic areas: alcoholism

research; autoimmune diseases; blood cancer; childhood asthma; drug abuse; epilepsy; kidney cancer; listeria vaccine for infectious diseases and cancer; lupus; mesothelioma; molecular signatures in tumors; neuroblastoma; osteoporosis and related bone disease; Paget's disease; pediatric cancer; polycystic kidney disease; social work research; tinnitus; and West Nile virus vaccine. Applications submitted to the FY09 PRMRP must address one of the topic areas listed above.

Investigator-Initiated Research Award

This award is intended to support studies that make an important contribution to research and/or patient care in at least one of the congressionally directed FY09 PRMRP topic areas and are responsive to the health care needs of the Armed Forces, their family members, and/or the U.S. Veteran population. All applications must specifically and clearly address the military relevance of the proposed research. Collaboration with military researchers and clinicians is encouraged. Research projects may focus on any phase of research from basic laboratory research through translational research including preclinical studies in animal models and human subjects, as well as correlative studies associated with an existing clinical trial. Observations that drive a research idea may be derived from a laboratory discovery, population-based studies, or a clinician's first-hand knowledge of patients and anecdotal data. Applications must include data relevant to the FY09 PRMRP topic area(s) addressed that support the rationale for the proposed study. These data may be unpublished and/or from the published literature. *This award may not be used to conduct clinical trials.*

Technology/Therapeutic Development Award

This award is intended to support for the translation of promising preclinical findings into products for clinical applications in at least one of the congressionally-directed FY09 PRMRP topic areas. These products should be responsive to the health care needs of the Armed Forces, their family members, and/or the U.S. Veteran population. All applications must specifically and clearly address the military relevance of the proposed research. Collaboration with military researchers and clinicians is encouraged.

The product(s) to be developed may be pharmacologic agents (drugs or biologicals), devices, or clinical guidance. The Principal Investigator (PI) must provide a transition plan (including potential funding and resources) showing how the product will progress to clinical trials and/or delivery to the military or civilian market after the completion of the PRMRP award. Examples of the types of research that may be supported include, but are not limited to:

- Collection and analysis of data for developing and validating clinical guidance
- Testing new therapeutic modalities (agents, delivery systems, chemical modification of lead compounds) using established or validated novel preclinical systems
- Designing and implementing full-scale, pilot Good Manufacturing Practice (GMP) production of therapeutics and/or delivery systems for use in advanced preclinical and initial clinical trials
- Developing pharmacologic agents through adsorption, distribution, metabolism, excretion, and toxicity (ADMET) phase
- Developing pharmacologic agents to Investigational New Drug (IND) stage for initiation of Phase I clinical trials
- Developing prototype devices for diagnosis or treatment to Investigational Device Exemption (IDE) stage for initiation of Phase I clinical trials

- Optimizing diagnostic or treatment devices for field deployment

Applications must include data relevant to the FY09 PRMRP topic area(s) addressed that support the rationale for the proposed study. These data may be unpublished and/or from the published literature. *This award may not be used to conduct clinical trials.*

Clinical Trial Award

This award is intended to support the rapid implementation of clinical trials of interventions with the potential to have a significant impact on a disease or condition addressed in at least one of the congressionally directed FY09 PRMRP topic areas. All studies must be responsive to the health care needs of the Armed Forces and family members and/or the U.S. Veteran population and may address prevention, detection, diagnosis, treatment, and/or quality of life. All applications must specifically and clearly address the military relevance of the proposed research. Collaboration with military researchers and clinicians is encouraged, however, the use of military populations is not a prerequisite; proposals recruiting civilian populations as an alternative are strongly recommended.

Each proposal should contain only one clinical trial with a distinct study design. The clinical trial may be designed to evaluate a pharmacologic agent (drug or biologic), device, or behavioral intervention.

The following are important aspects of the Clinical Trial Award submission:

- Demonstrate availability of, and access to, a suitable patient population that will support a meaningful outcome for the study.
- Describe clearly defined and appropriate endpoints for the proposed clinical trial.
- Clearly articulate the statistical analysis plan.
- Discuss the potential impact of the study results for patients with the specified disease/condition.
- Include a study coordinator who will guide the clinical protocol through Institutional Review Board (IRB), Human Subjects Research Review Board (HSRRB), and other regulatory approval processes, coordinate activities from all sites participating in the trial, and coordinate participant accrual.

For further information: <http://cdmrp.army.mil/funding/prmrp.htm>

Clinical Trial Award, Investigator-Initiated Research Award, Exploration-Hypothesis Development Award, New Investigator Award, Postdoctoral Traineeship Award

Department of Defense Congressionally Directed Medical Research Programs-
Neurofibromatosis Research Program

Deadline: Pre-Application: March 24, 2009

Full Proposal: April 14, 2009

The vision of the FY09 NFRP is to find and fund the best research to decrease the clinical impact of NF. Toward this goal, the NFRP seeks to:

- Support innovative, high-impact research that will foster new directions for and address neglected issues in NF research,

- Sponsor multidisciplinary and multi-institutional collaborations that will bring new perspectives to the field,
- Foster the next generation of NF investigators,
- Promote translational and clinical studies to move promising ideas from bench to bedside,
- Develop a balanced portfolio of meritorious research related to all aspects of NF1, NF2, and Schwannomatosis.

Clinical Trial Award

The NFRP CTA supports clinical research with the potential to have a major impact on the treatment or management of neurofibromatosis and/or Schwannomatosis. *Funding from this award mechanism cannot be used for preclinical research studies.* PIs seeking funding for a preclinical research project should apply to the Investigator-Initiated Research Award mechanism.

Investigator-Initiated Research Award

The NFRP IIRA supports basic and clinically oriented research that will:

- Provide insight into the development of NF and related diseases,
- Result in substantial improvements over today's approach to the diagnosis and treatment of NF and Schwannomatosis, and
- Enhance the quality of life of persons with those diseases.

Clinical trials are not allowed under this mechanism. Principal Investigators (PIs) wishing to apply for funding for a clinical trial should utilize the Clinical Trial Award mechanism. *Applications must include preliminary data originating from the PI, research team, or collaborator that is relevant to NF and the proposed project.*

Exploration-Hypothesis Development Award

The Exploration – Hypothesis Development Award (EHDA) mechanism was first offered in FY08. Since that time, 21 EHDA applications have been received and 6 have been recommended for funding. The NFRP Exploration – Hypothesis Development Award supports the initial exploration of innovative, untested, high-risk, high-gain, and potentially groundbreaking concepts in the neurofibromatosis and/or Schwannomatosis research fields. Results of studies conducted through this award may provide the scientific rationale upon which a new hypothesis can be based, or it should provide initial principles of an innovative hypothesis. This award is designed to provide investigators with the opportunity to pursue serendipitous observations. Some gaps in supporting rationale may exist due to a lack of available information. *The presentation of preliminary data is encouraged, but not required. It is the responsibility of the Principal Investigator (PI) to clearly and explicitly articulate how the proposed research is innovative and how the concept is novel.*

New Investigator Award

The intent of the NFRP NIA is to support the career transition and/or continued development of promising independent investigators in the field of neurofibromatosis research. Experience in NF research is allowed, but not required. However, Principal Investigators (PIs) with a limited background in NF research are strongly encouraged to have a collaborator who is experienced in

the NF field. To be eligible for this award, PIs must meet the eligibility requirements specified below in Section I.C. *NIA proposals must include preliminary data originating from the PI, research team, or collaborator that is relevant to NF and the proposed project. Clinical trials are not allowed under this mechanism.* PIs wishing to apply for funding for a clinical trial should utilize the Clinical Trial Award mechanism.

Postdoctoral Traineeship Award

The NFRP Postdoctoral Traineeship Award mechanism is new for FY09. The Postdoctoral Traineeship Award will enable recent medical or other doctoral degree graduates to obtain the necessary experience to pursue an independent career in neurofibromatosis research. *Candidates for this award should exhibit a strong desire to pursue a career in neurofibromatosis research.* Under this award mechanism, the postdoctoral trainee is considered the Principal Investigator (PI) and, as such, should write the project narrative with appropriate direction from the mentor. The focus of these awards is on the PI, the mentor, and the training program and environment. These awards primarily provide salary support for the PI and require the active involvement of a designated mentor who is an established NF researcher, as evidenced by a demonstrated record of funding and publications. While the PI is not required to have previous experience in NF research, this proposal must focus on NF research.

For further information: <http://cdmrp.army.mil/funding/nfrp.htm>

Clinical and Translational Research Award, Idea Development Award, Career Transition Award, Exploration – Hypothesis Development Award

Department of Defense Congressionally Directed Medical Research Programs- Tuberous Sclerosis Complex Research Program (TSCRCP)

Deadline: Pre-Application: March 24, 2009

Full Application: April 14, 2009

The mission of the TSCRCP is to encourage innovative research aimed at understanding the pathogenesis of TSC, and to translate these findings to the care of individuals with TSC. Within this context, the TSCRCP encourages applications to the FY09 program that address these vital program goals:

- To better understand the molecular mechanisms underlying TSC.
- To better characterize the manifestations of TSC in individual organ systems, including brain, lung, kidney, skin, and heart.
- To promote the translation of new research findings for the diagnosis and treatment of those with TSC.
- To encourage the development of new researchers in TSC and collaborations with other related fields.

Clinical and Translational Research Award

This award may support either clinical/translational research studies or clinical trials. Each application may only include one of these types of studies

The following are important aspects of submission of a clinical trial:

- Demonstrate availability of, and access to, a suitable patient population that will support a meaningful outcome for the study.
- Describe clearly defined and appropriate endpoints for the proposed clinical trial.
- Clearly articulate the statistical analysis plan.
- Discuss the potential impact of the study results for patients with the specified disease/condition.
- Include a study coordinator(s) who will guide the clinical protocol through Institutional Review Board (IRB), Human Subjects Research Review Board, and other regulatory approval processes, coordinate activities from all sites participating in the trial, and coordinate participant accrual.
- Demonstrate institutional support.

Idea Development Award

The IDA supports high-impact, innovative research that will drive the field forward. *Clinical trials are not allowed under this award mechanism.* Principal Investigators (PIs) wishing to apply for funding for a clinical trial should utilize the Clinical and Translational Research Award mechanism. Important aspects of the IDA are as follows:

1. Impact: The proposed research should have a significant impact on the concepts or methods that drive the field of TSC research. The proposed research is expected to make an important and original contribution to advancing TSC research or patient care.
2. Innovation: Research deemed innovative may represent a new paradigm, challenge existing paradigms, or look at existing problems from new perspectives. Research may be innovative in study concept, research methods or technology, clinical interventions, or adaptations of existing methods or technologies. Research that represents an incremental advance on previously published work is not considered innovative.
3. Preliminary Data: Preliminary data originating from the PI, research team, or collaborator that is relevant to the proposed project are required.

Career Transition Award

The TSCRP Career Transition Award mechanism was first offered in FY08. One Career Transition Award application was received and 1 was recommended for funding. The Career Transition Award supports TSC researchers during the transition from postdoctoral training to an independent position. This award will cover up to two years of postdoctoral training followed by up to two years of a faculty-level position. Under this award mechanism, the postdoctoral candidate is considered the Principal Investigator (PI).

Exploration – Hypothesis Development Award

The TSCRP Exploration – Hypothesis Development Award supports the initial exploration of innovative, untested, high-risk, high-gain, and potentially groundbreaking concepts in tuberous sclerosis complex research. Results of studies conducted through this award may provide the scientific rationale upon which a new hypothesis can be based, or it should provide initial principles of an innovative hypothesis. This award is designed to provide investigators with the opportunity to pursue serendipitous observations. Some gaps in supporting rationale may exist due to a lack of available information. The presentation of preliminary data is encouraged, but not required. It is the responsibility of the Principal Investigator (PI) to clearly and explicitly articulate the project's innovation and the potential impact on Tuberous Sclerosis Complex.

For further information: <http://cdmrp.army.mil/funding/pdf/09tscrpreftable.pdf>

2010 McKnight Neuroscience of Brain Disorders

McKnight Endowment Fund for Neuroscience

Deadline: April 1, 2009

The McKnight Endowment Fund for Neuroscience supports innovative research designed to bring science closer to the day when diseases of the brain can be accurately diagnosed, prevented, and treated. To this end, the McKnight Neuroscience of Brain Disorders Award assists scientists working to apply the knowledge achieved through basic research to human brain disorders, particularly those that affect memory.

We are particularly interested in proposals that address memory under normal and pathological conditions. This includes proposals that address mechanisms of memory at the synaptic or cellular level, as well as proposals at the cognitive or behavior level in animals, including humans. Proposals will also be considered that permit fundamentally new approaches and accomplishments toward the development of translational research in the neurosciences related to memory.

Projects restricted to the creation of conventional mouse knockouts in candidate disease genes identified by association studies, or to broadly over express those genes, are discouraged. In addition, projects to perform genetic interaction screens on disease genes in model organisms (yeast, worm, fly, fish) will not be considered, unless the project includes substantive specific aims that investigate the disease relevance of any new genes so discovered in human or mammalian model systems.

For further information:

http://www.mcknight.org/neuroscience/news/news_detail.aspx?itemID=3728&catID=85&typeID=2

National Cancer Institute Program Project (P01) Applications

Department of Health and Human Services (HHS)

Deadline: Letter of Intent: April 28, 2009

Full Proposal: May 28, 2009

With this Funding Opportunity Announcement (FOA), the NCI invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and population-based studies in all of these research areas are appropriate. Each program project application must consist of at least three component projects. The component projects must share a common central theme, focus, and overall objective.

For further information: <http://grants.nih.gov/grants/guide/pa-files/PA-09-025.html>

HIV Proteins and Their Cellular Binding Partners (R21/R33)

Department of Health and Human Services (HHS)

Deadline: May 7, 2009

The ultimate goal of this program is the structural determination of HIV proteins complexed with their cellular binding partners. A critical first step in structural analysis of a complex is the investigation of the biology, biochemistry and biophysics of the protein: protein interaction. All areas of investigation contributing to understanding the interactions of HIV with cellular proteins are welcome. These may include but are not limited to studies using confocal microscopy, calorimetry, fluorescence resonance energy transfer, electron microscopy, cryoelectron tomography, nuclear magnetic resonance (NMR), x-ray tomography X-ray crystallography, and/or computational biology. Combinations of these methods and collaborative projects are strongly encouraged.

For further information: <http://grants.nih.gov/grants/guide/pa-files/PA-06-388.html>

PHYSICAL SCIENCES & MATHEMATICS

See also opportunities listed under MULTIPLE DISCIPLINES

Summer Fellowship Program

Center for Space Nuclear Research (CSNR)

Deadline: March 15, 2009

The Center for Space Nuclear Research (CSNR) invites undergraduate and graduate level students to experience cutting-edge research in nuclear power and propulsion technologies through our prestigious Summer Fellowship Program.

The roughly 10-week program runs from mid-May 2009 to mid-August 2009. Fellows will receive a weekly stipend to cover living expenses of \$500, \$600 and \$700 for undergraduate, master's candidates, and Ph.D. candidates, respectively. Assistance with travel expenses to a maximum of \$1,000 is also included. The CSNR intends to subsidize partial or full housing expenses depending on funding availability.

The 2009 program is composed of two different opportunities:

1. Support INL staff in experimental work on fabricating refractory nuclear fuels. Fellows electing to work on the fuels fabrication effort will assist INL staff in producing tungsten cermet samples of varying constituency. The samples will be assessed for characteristic properties. The period of work is defined by the availability of the applicants.
2. Operate as part of a team for CSNR to evaluate one or more concepts. Potential concepts include but are not limited to:
 - a. Advanced Heat Exchanger Concepts – NASA is pursuing technology development of Fission Surface Power (FSP) systems for the lunar and Mars surface. A potential FSP concept uses a

pumped liquid metal reactor cooling loop coupled to either Stirling or Brayton power conversion. System performance is very sensitive to this heat transfer interface. The participants will develop heat exchanger concepts that are efficient, lightweight, reliable, compatible with the working fluids, and feasible to build.

b. Reactor Mobility study -- Investigate potential scenarios to allow mobility of an advanced reactor on the lunar surface. Current plans are to implant the reactor and bury it in regolith. This precludes multiple lunar bases. The Summer 2008 Fellows designed a mobile system using the FSP. The 2009 participants will investigate a similar design for a gas-cooled, high-temperature, cermet core reactor. Issues such as shielding requirements, excavation options, and modes of transport to determine if the reactor can be moved to different sites will be examined. The benefits of a smaller, higher performance system to power a mobile lunar base will be assessed and compared to the 2008 results.

c. Shield options --Reducing mass and complexity are important aspects of space system design. The use of water as a radiation shield has the potential to reduce the mass and complexity of fission surface power (FSP) systems. Landed mass can be further reduced if water for the shield can be obtained in-situ. Participants will investigate water shield design from both a radiation attenuation and thermal management standpoint. Potential shield canister materials that have adequate long-term compatibility with water in a moderate radiation environment will be identified. Detailed radiation transport and thermal management calculations will be performed. Variable and fixed-orientation shields will be investigated. Methods for effectively using potential in-situ sources of water will be devised.

d. Nuclear Thermal Rocket mission assessment -- The participants will design the NTR for various thrust, specific impulse, and lifetime modes. Innovative NTR designs will also be investigated. Evaluate the potential performance of a NTR for missions such as: humans to Mars orbit maneuvering of satellites in Low Earth Orbit, and interception of a massive long-period comet inbound to Earth.

For further information: http://www.csnr.usra.edu/2009_summer_app.html

Mini-PEET Awards to Enhance Transfer of Taxonomic Knowledge

Society of Systematic Biologists (SSB)

Deadline: March 31, 2009

SSB is pleased to announce the availability of four awards to enhance the transfer of taxonomic expertise, modeled after the highly successful Partnerships for Enhancing Expertise in Taxonomy (PEET) program at the National Science Foundation (NSF). The primary purpose is to pass on taxonomic expertise in general; therefore, unlike the NSF PEET program, awards will not be limited to taxonomically understudied taxa. The awards are designed to allow SSB members (students, post-docs, and faculty) to spend a summer or semester apprenticed to an expert in a particular taxonomic group. This could include either a trip to the taxonomists' laboratory, or pay for the taxonomist to visit the applicants' laboratory for a period of time.

For further information: <http://systbiol.org/minipeet.html>

Environmental Remediation Science Program

United States Department of Energy (DOE); Office of Science; Office of Biological and Environmental Research (BER)

Deadline: April 9, 2009

The Office of Science (SC), U.S. Department of Energy (DOE), hereby announces interest in receiving applications for research grants in the Environmental Remediation Sciences Program (ERSP), which is within the Climate and Environmental Sciences Division (CESD) in the Office of Biological and Environmental Research (BER). The ERSP seeks to advance fundamental science to understand, predict, and mitigate the impacts of environmental contamination from past nuclear weapons production and provide a scientific basis for the long term stewardship of nuclear waste disposal.

The goal of this solicitation is to support innovative, fundamental research to investigate the coupled physical, chemical, and biological processes affecting the transport of subsurface contaminants commonly found at DOE sites. Applications should identify critical knowledge gaps and address hypothesis-driven research to better understand the significant physical, chemical, and biological processes influencing the form and mobility of specific inorganic contaminants in the subsurface. Research projects should aim to provide the scientific basis for the long term stewardship of contaminated sites across the DOE complex and the development of new remediation concepts and strategies.

Applications must include an explanation of how the proposed research supports the BER long term performance measure. The environment of interest is the terrestrial subsurface including the vadose zone, the saturated zone and key groundwater-surface water interfaces. The proposed research is expected to contribute to the public good by advancing the fundamental science associated with the cycling and transport of inorganic elements in the subsurface, and that benefit will be expressed through contributions to the technical literature.

Listed below are the specific radionuclide and heavy metal Contaminants of Concern for this Funding Opportunity Announcement (FOA). Phytoremediation and the study of organic contaminants are not addressed in this FOA. Key contaminants (and their mixtures) of interest for this FOA are as follows:

1. Radionuclides: uranium, technetium-99, strontium-90, plutonium, cesium-137, iodine-129, and neptunium-237
2. Non-Radioactive Metals: mercury and chromium(VI)
3. Nitrate and complexing agents as co-contaminants with the listed radionuclides or non-radioactive metals

Non-aqueous phase liquids (organic contaminants) are not a focus for this FOA. Applications addressing NAPL or organic contaminant will not be considered at this time.

For further information: <https://e-center.doe.gov/iips/faopor.nsf/UNID/921DE91BABAB68A985257529004CF6A0?OpenDocument>

Biology of Weedy and Invasive Species in Agroecosystems

United States Department of Agriculture (USDA)

Deadline: April 20, 2009

It has been estimated that approximately 50,000 species of plants and animals have been introduced into the United States resulting in more than \$100 billion in losses and damage each year. Invasive species threaten biodiversity, habitat quality, and ecosystem function. It is estimated that invasive species have contributed to the decline of 42 percent of the endangered and threatened species in the United States. The goal of the program is to provide ecological and economically rational strategies for management, control, or elimination of weedy or invasive species.

For further information: <http://www.csrees.usda.gov/fo/weedyandinvasivespeciesafri.cfm>

National Integrated Water Quality Program

United States Department of Agriculture (USDA)

Deadline: April 29, 2009

The goal of the National Integrated Water Quality Program (NIWQP) is to contribute to the improvement of the quality of U.S. surface water and groundwater resources through research, education, and extension activities. Projects funded through this program will facilitate achieving this goal by advancing and disseminating the knowledge base available to agricultural, rural, and urbanizing communities. Funded projects should lead to science-based decision making and management practices that improve the quality of the nation's surface water and groundwater resources in agricultural and rural watersheds. NIWQP applications are being solicited in the following program areas: National Facilitation Projects, Regional Water Quality Coordination Projects, and Integrated Research, Education, and Extension Projects

For further information: <http://www.csrees.usda.gov/fo/waterqualityicgp.cfm>

Earth and Space Awards

Earth and Space Foundation

Deadline: April 30, 2009

The Earth and Space Foundation funds expeditions that either use Earth's resources and environments to help us understand other worlds and assist in the exploration of space; or expeditions that use space technology and data to help us understand and care for the Earth's environment. Typical categories of expedition that are supported include the following

- Using space to help maintain the Earth as an oasis
- Using the Earth to help understand other worlds and to create a space-faring civilization
- Fostering appreciation of the links between environmentalism and space exploration

The category "Using space to help maintain the Earth as an oasis" focuses on the following:

- Environmental projects using technologies resulting from space exploration. This includes the novel use of satellite communications, GPS, remote sensing, advanced materials and power sources.
- Use of data from extraterrestrial expeditions to help further our understanding of the Earth's environments and the biosphere. This includes samples and data returned from missions in Earth orbit and beyond.
- Effects of the space environment and space exploration on the Earth. This includes expeditions studying impact craters, environmental surveys of launch complexes, approved meteorite collection expeditions.

The category "Using the Earth to help understand other worlds and to create a space-faring civilization" focuses on the following:

- Astro-biology and exobiology related fieldwork. This includes field research in Earth's extreme environments that assist in the search for life off the Earth and the study of the survival of life in extreme environments.
- Field research applying the Earth's environmental and biological resources toward the human exploration and settlement of space. This includes the use of extraterrestrial 'analog' environments on Earth to test space technologies and human physiological and psychological studies in extreme environments.
- Astronomy at the interface between Earth and space exploration/ astroarchaeology. This includes expeditions making astronomical observations from remote, difficult to access, Earth locations, archaeological field projects studying the development of early civilizations that made significant contributions to astronomy and space sciences, field expeditions studying the way in which views of the astronomical environment shaped the nature of past civilizations.

The category "Fostering appreciation of the links between environmentalism and space exploration" focuses on educational field trips and projects that improve public understanding of the links between environmentalism and space exploration.

For further information: <http://www.earthandspace.org/annual.htm>

New Methodologies for Natural Products Chemistry (R01)

Department of Health and Human Services (HHS)

Deadline: May 14, 2009

This initiative, a component of the NIH Molecular Libraries Roadmap program, will support the development of new methodologies for natural products chemistry. The long-term goal is to reinvigorate the investigation of nature as a prolific source of bioactive small molecules with the potential to probe the roles of a wide range of proteins in cellular processes, and be developed into new drugs.

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

SOCIAL SCIENCES

See also opportunities listed under HUMANITIES; INTERNATIONAL AREA STUDIES: and MULTIPLE DISCIPLINES

Collaborative Study of Suicidality and Mental Health in the U.S. Army (U01)

Department of Health and Human Services (HHS); National Institutes of Health (NIH); National Institute of Mental Health (NIMH)

Deadline: Optional letter of intent: March 3, 2009

Full Proposal: April 3, 2009

The high rates of mental health and behavioral adjustment problems among recent U.S. military combat veterans, and the increasing rates of suicide among U.S. Army soldiers, are of growing concern. This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH), in collaboration with the U.S. Army, solicits cooperative research project grant (U01) applications aimed at conducting an epidemiologic study of mental health, psychological resilience, suicide risk, suicide-related behaviors, and suicide deaths in the U.S. Army. This study will evaluate selected samples of soldiers across all phases of army service, both cross-sectionally and longitudinally, including entry-level training and service, pre-deployment training, deployment and non-combat assignments, post-deployment, and post-separation reintegration to civilian life. The intent is to identify, as rapidly as scientifically possible, modifiable risk and protective factors and moderators of suicide-related behaviors. Once modifiable factors are identified, investigators will identify specific intervention options for reducing suicide risk by addressing empirically identified risk and protective factors, and develop initial research designs for subsequent research that may test practical suicide risk reduction efforts. (Finalizing the design and implementation of intervention and screening trials lies outside the scope of this project.) The overall objective of this research is to evaluate multiple determinants of suicide-related events, including potentially protective mechanisms, with the intent of informing the development of effective strategies for mitigating suicide risk and enhancing the resilience of Army personnel across all phases of Army service. In all aspects of this project, NIMH and the army specifically seek to foster innovative methods to maximize the scientific and practical value of this research.

For further information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-09-140.html>

Social Science Research on Wrongful Conviction - NIJ-2009-1936

United States Department of Justice (DOJ); Office of Justice Programs (OJP)

Deadline: March 16, 2009

The National Institute of Justice (NIJ) is the research, development, and evaluation agency of the U.S. Department of Justice (DOJ) and a component of the Office of Justice Programs (OJP). NIJ provides objective, independent, evidence-based knowledge and tools to enhance the administration of justice and public safety. NIJ solicits applications to inform its search for the knowledge and tools to guide policy and practice. NIJ is interested in stimulating a scientifically rigorous body of research on the topic of wrongful convictions, specifically focusing on the 200-plus cases of exonerations based on post-conviction DNA examinations, and comparisons of

DNA-based and non-DNA-based exonerations. Thus far, there have been over 200 cases of post-conviction DNA exonerations in the United States identified by media and interested organizations; however, there has been little social-science-based research on this topic. This solicitation is intended to support a more expansive and empirical examination of wrongful convictions than currently exists. In particular, this solicitation seeks to fund research on post-conviction DNA exonerations in the investigation, trial, and post-conviction stages of the criminal justice process as well as a comparison to non-DNA exonerations. Proposals should seek to optimize the extent of the data that can be collected in each of these three stages. A strong preference will be given to proposals for the collection and analysis of data in all three of these stages.

For further information: <http://www.ojp.usdoj.gov/nij/funding/current.htm>

The Role of Healthcare and Insurance in Improving Outcomes in Cancer Prevention, Early Detection and Treatment

American Cancer Society

Deadline: April 1, 2009

The American Cancer Society is announcing this RFA to investigate the impact of healthcare costs, healthcare system and capacity, insurance status, social factors and delivery of health care services, on outcomes in cancer prevention, early detection and treatment. The purpose of this RFA is to stimulate research on the effects of the US healthcare system structure and the role of insurance on access to screenings and treatment. Of particular interest is research using linked databases such as SEER, Medicare payment data, State data and NCHS data; other existing databases. Studies may be at the state, multi-state, or national levels, or otherwise involve large populations. Respondents should specifically describe how their results would generalize to the broader corresponding U.S. populations.

Significant gaps in knowledge remain on how healthcare costs, healthcare system structure and capacity, socioeconomic factors (including insurance status), personal characteristics (such as race and ethnicity), and delivery of healthcare services affect outcomes related to cancer prevention, early detection, and treatment. Studies investigating how one or more of these factors affect access, and how these mechanisms interact with other factors known to affect access to healthcare services should be considered. The goal is to use new knowledge derived from these studies to inform policy development and enhance outcomes in cancer prevention, early detection and treatment. For this RFA in health policy and health services research, ACS is particularly interested in developing new knowledge specifically about the role played by insurance within the context of other factors, such as costs, capacity and personal characteristics, that affect outcomes in cancer prevention, early detection and treatment. In particular, studies should explore these issues within the uninsured and underinsured populations, Medicaid, and types of private insurance (HMO, PPO, etc.).

For further information:

http://www.cancer.org/docroot/RES/content/RES_5_2x_Request_for_Applications_The_Role_of_Healthcare_and_Insurance_in_Improving_Outcomes.asp?sitearea=RES

Applied Social Issues Internship Program

Society for the Psychological Study of Social Issues (SPSSI)

Deadline: April 10, 2009

The Society for the Psychological Study of Social Issues (SPSSI) Applied Social Issues Internship program is intended to encourage research that is conducted in cooperation with a community or government organization, public interest group, or other not-for-profit entity that will benefit directly from the project.

For further information:

<http://www.spssi.org/index.cfm?fuseaction=page.viewpage&pageid=637>

Undergraduate Student Minority Scholar/Mentor Research Grants

American Society of Criminology (ASC)

Deadline: May 1, 2009

The American Society of Criminology (ASC) established the ASC Undergraduate Student Minority Scholar/Mentor Research Grants program in order to increase the number of scholars in criminology and criminal justice from historically disadvantaged and underrepresented ethnic and racial groups. The goal of this initiative is to facilitate the advancement of academically talented students into graduate (especially doctoral) study in criminology or criminal justice. The primary criteria for allocating the awards are (1) the student's potential for completing doctoral work in criminology or criminal justice and (2) the quality of the proposed mentoring relationship.

The mentoring relationship is expected to involve the following areas:

1. Mentoring the student in a collaborative research project that will yield a paper presented at the ASC meeting in the student's senior year. The faculty mentor may be a coauthor. Awardees begin their work on the paper during the junior year of study.
2. Mentoring the student in the field of criminology during the student's junior and senior year. This might involve weekly meetings, readings or independent study courses, courses, work on other projects, or attendance at local criminology conferences.
3. Mentoring of the student that will facilitate the student's preparation for and successful application to graduate study in criminology or criminal justice.

For further information: <http://www.asc41.com/uminorfel.htm>

MULTIPLE DISCIPLINES

Basil O'Connor Starter Scholar Research Award

March of Dimes

Deadline: Pre-proposal: March 15, 2009

Invited Proposal: June 30, 2009

This award is designed to support young scientists just embarking on their independent research careers and is limited, therefore, to those holding recent faculty appointments. The applicants' research interests should be consonant with those of the Foundation.

Deans, Chairs of Departments, or Directors of Institutes/Centers should submit nominations for this award addressed to the Senior Vice President for Research and Global Programs.

Research subjects appropriate for support by the March of Dimes include basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies. In Social and Behavioral Sciences, we are interested in applications proposing research that advances our understanding of –and therefore our ability to prevent – the cognitive and behavioral risks that affect outcomes of pregnancy, the perinatal period, and subsequent child development. Because change in behavior is an important component of several of our campaigns, we are interested in studies that address this method of prevention.

For further information: http://www.marchofdimes.com/professionals/691_14437.asp

Interdisciplinary Research Grants - Young Investigators' Grants and Program Grants

Human Frontier Science Program (HFSP) Organization

Deadline: Compulsory pre-registration: March 20, 2008.

Letter of intent submission: March 31, 2009

The HFSP supports international, preferably intercontinental, collaborations in basic life science research with emphasis placed on novel, innovative and interdisciplinary approaches to fundamental investigations. Applications are invited for grants to support new approaches to understanding complex mechanisms of living organisms. Preliminary results are not required. Applicants are expected to develop new lines of research distinct from their ongoing research.

There are two types of grant: Young Investigators' Grants are for teams of scientists who are all within 5 years of establishing an independent laboratory and within 10 years of obtaining their Ph.D.s. Program Grants are for independent scientists at all stages of their careers, although the participation of younger scientists is especially encouraged.

For further information: http://www.hfsp.org/how/appl_forms_RG.php

John Hope Franklin Dissertation Fellowship

American Philosophical Society (APS)

Deadline: April 1, 2009

This fellowship, named in honor of a distinguished member of the APS, is designed to support an outstanding doctoral student at an American university who is conducting dissertation research. There are two special features to this fellowship. First, the objective of the fellowship is to help remedy the serious shortage of faculty of color in core fields in the arts and sciences, by supporting the Ph.D. projects of minority students of great promise (particularly African-Americans, Hispanic-Americans, and Native Americans) as well as other talented students who have a demonstrated commitment to eradicating racial disparities and enlarging minority representation in academia. Second, the fellow is expected to spend a significant amount of time in residence at the APS Library and therefore all applicants should be pursuing dissertation topics in which the holdings of the library are especially strong, such as quantum mechanics, nuclear physics, computer development, the history of genetics and eugenics, the history of medicine, Early American political and cultural history, natural history in the 18th and 19th centuries, the development of cultural anthropology, or American Indian linguistics and culture.

For further information: <http://www.amphilsoc.org/grants/johnhopefranklin.htm>

FDA Small Scientific Conference Program (R13/U13)

Department of Health and Human Services (HHS); Food and Drug Administration (FDA)

Deadline: April 15, 2009

The FDA recognizes the value of supporting high quality conferences and scientific meetings that are relevant to its scientific mission and to the public health.

A conference or scientific meeting is defined as a gathering, symposium, seminar, scientific meeting, workshop, or any other organized, formal meeting where persons assemble to coordinate, exchange, and disseminate information or to explore or clarify a defined subject, problem, or area of knowledge. Support of such meetings is contingent on the fiscal and programmatic interests and priorities of the individual centers, which are linked to the FDA Grant website (<http://www.fda.gov/>). Therefore, a conference grant application is required to contain a letter from the appropriate FDA staff documenting advance permission. Investigators are urged to initiate contact well in advance of the application receipt date. Agreement to accept an application does not guarantee funding.

For further information: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-FD-08-003.html>

Year 2010 March of Dimes Research Program

March of Dimes

Deadline: Letter of Intent: April 30, 2009

Invited Proposal: September 15, 2009

We invite all qualified scientists with faculty appointments or the equivalent, at universities, hospitals and research institutions, to submit applications for research grants directed at the prevention of birth defects. Research subjects appropriate for support by the March of Dimes include basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies. In Social and Behavioral Sciences, we are interested in applications proposing research that advances our understanding of –and therefore our ability to prevent – the cognitive and behavioral risks that affect outcomes of pregnancy, the perinatal period, and subsequent child development. Because change in behavior is an important component of several of our campaigns, we are interested in studies that address this method of prevention.

For further information: http://www.marchofdimes.com/professionals/691_14434.asp