

Funding Notice

These funding opportunities are compiled from announcements made by various funding agencies, private foundations, and other entities. Archives of these funding opportunities are located online: <http://orsp.louisiana.edu>.

Additional funding opportunities may be found at www.grants.gov and www.cos.com, where you can customize searches and receive funding alerts directly in your inbox. For additional information about these or other opportunities, or to submit a proposal, contact Ruth Landry or Alise Hagan in the Research Office (482-5811).

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RECOVERY ACT OPPORTUNITIES: We are continuing to monitor agency websites and use search engines for American Recovery and Reinvestment Act (ARRA) opportunities. All ARRA opportunities are in the section titled "American Recovery and Reinvestment Act" and are preceded with the phrase "RECOVERY ACT". We encourage you to check www.grants.gov, www.cos.com, and agency websites regularly because new ARRA notices are being posted frequently.

American Recovery and Reinvestment Act (ARRA)

RECOVERY ACT: NSF: Major Research Instrumentation Program (MRI-R²). The Major Research Instrumentation Program (MRI) serves to increase access to shared scientific and engineering instruments for research and research training in our Nation's institutions of higher education, museums and science centers, and not-for-profit organizations. This program especially seeks to improve the quality and expand the scope of research and research training in science and engineering, by providing shared instrumentation that fosters the integration of research and education in research-intensive learning environments. Development and acquisition of research instrumentation for shared inter- and/or intra-organization use are encouraged, as are development efforts that leverage the strengths of private sector partners to build instrument development capacity at academic institutions. To accomplish these goals, the MRI program assists with the acquisition or development of shared research instrumentation that is, in general, too costly and/or not appropriate for support through other NSF programs. For the purposes of the MRI Program, proposals must be for either acquisition or development (see Section II.A.2). Instruments are expected to be operational for regular research use by the end of the award period. For this MRI-R² competition only, proposals will be accepted for instrument development or for acquisition of a single instrument or a system of related instruments that share a common or specific research focus in the range \$100,000-\$6 million from Ph.D.-granting institutions of higher education and non-degree-granting organizations; up to \$6 million (there is no minimum request) from non-Ph.D.-granting institutions of higher education or the disciplines of mathematical sciences or social, behavioral, and economic sciences at any eligible organization. Due: 8/10/09. **Note:** Institutional Limit applies. Interested PIs should send a one page abstract with rough budget estimate to UL Lafayette's Office of Research and Sponsored Programs by 6/8/09. Link: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf09561.

RECOVERY ACT: NSF: Academic Research Infrastructure Program: Recovery and Reinvestment. Scientific discoveries are emerging at an accelerated pace, presenting new frontiers for exploration, stimulating innovation and economic growth, and driving the development of new tools and systems to support research. Likewise, the convergence of disciplines and the cross-fertilization that characterized contemporary science and engineering have made collaboration a centerpiece of the 21st century science and engineering enterprise. As new scientific opportunities and processes have emerged, the Nation's research facility requirements have also evolved and changed. As a result of the American Recovery and Reinvestment Act of 2009, NSF will invest \$200 million in the Nation's research facilities and research training infrastructure. This investment will advance the science and engineering research enterprise at many institutions. The purpose of this program is to enhance the Nation's existing research facilities where sponsored and/or unsponsored research activities and research training take place to enable next-generation research infrastructure that integrates shared resources across user communities. ... (Continued on next page)

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American Recovery and Reinvestment Act (ARRA)

Continued from page 1: Academic Research Infrastructure Program. ...Consistent with NSF's mission to strengthen the U.S. science and engineering enterprise, the ARI-R² program will: 1) Update existing research facilities at institutions of higher education (including graduate and undergraduate institutions, among which are included community colleges) and other non-profit research organizations (e.g., independent research museums, independent research laboratories, and research consortia) in order to support research that can address the challenges of the 21st century. 2) Enable academic departments, disciplinary and cross-disciplinary units, or multi-organization consortia to renovate research facilities through the addition or augmentation of cyberinfrastructure, other than general-purpose computing systems or data storage systems, to create environments that enhance research and integrate research with education. 3) Improve access to and increase use of next-generation research facilities for researchers, educators and students. 4) Assist research organizations, including those that have historically received limited Federal research and development funds, to improve their science and engineering research environments. Due: 7/1/09 (Required Letter of Intent); 8/24/09 (Full Proposal Deadline). **Note:** Institutional Limit applies. Interested PIs should send a one page abstract with rough budget estimate to UL Lafayette's Office of Research and Sponsored Programs by 6/8/09. Link: <http://www.nsf.gov/pubs/2009/nsf09562/nsf09562.pdf>

RECOVERY ACT: Golden Field Office/DOE: Demonstration of Integrated Biorefinery Operations. The intent of this program will be to select integrated biorefinery projects that have the necessary technical and economic performance data that validates their readiness for the next level of scale-up. In general, "integrated biorefineries" employ various combinations of feedstocks and conversion technologies to produce a variety of products, with the main focus on producing biofuels and bioproducts. Due: 5/29/09 (Letter of intent); 6/30/09 (applications). Link: <http://www07.grants.gov/search/search.do?oppld=47227&flag2006=false&mode=VIEW>

Arts and Humanities

American Documentary, Inc.: P.O.V. Call for Entries. P.O.V., public television's premier showcase for independent, non-fiction film and video seeks programs from all perspectives to showcase in its annual national series. All subjects, styles and lengths are welcome. Due: 6/30/09. Link: <http://cfe.pov.org/POVcfeSubmissionGuidelines.pdf>

American Musicological Society: Noah Greenberg Award. An award is available as a grant-in-aid to stimulate active cooperation between scholars and performers by recognizing and fostering outstanding contributions to historical performing practices. Due: 8/15/09. Link: <http://www.ams-net.org/awards/greenberg.php>

Association of Performing Arts Presenters: Cultural Exchange Fund. The Cultural Exchange Fund (CEF) is a travel subsidy program supported by the Andrew W. Mellon Foundation to assist U.S. based presenters in building partnerships and collaborations with international touring artists, companies and their collaborators and in seeing the work of artists from around the world in its cultural context. Due: 5/29/09; 11/16/09. Link: <http://www.apapconference.org/cultural-exchange-fund-application-guidelines-final.html>

National Book Foundation: National Book Awards. The sponsor provides awards to recognize achievements in four genres: fiction, nonfiction, poetry, and young people's literature. Publishers may submit books for consideration. Winners for each genre receive a \$10,000 cash award. Due: 6/15/09. Link: <http://www.nationalbook.org/nbaentry.html>

National Foundation on the Arts & Humanities/NEH: Fellowship Programs at Independent Research Institutions (FPIRI). Grants for FPIRI support fellowships at institutions devoted to advanced study and research in the humanities. Due: 8/20/09. Link: <http://www07.grants.gov/search/search.do?jsessionid=fmppKBMJzHBrQ1gdpHKQBQM6WQn6y5hJy1hQn2B1Jc85fy9bwRTd!2045866935?oppld=47195&flag2006=false&mode=VIEW>

Wolf Foundation: Wolf Foundation Prizes in the Sciences and Arts. Five or six prizes of \$100,000 each are awarded annually to outstanding scientists and artists for achievements in the interest of mankind and friendly relations among peoples. In science, annual awards are made in agriculture, chemistry, mathematics, medicine, and physics. Arts prizes in architecture, music, painting and sculpture rotate annually. Due: 8/31/09. Link: <http://www.wolffund.org.il/main.asp?idMain=20>



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Education, Social Science, & Service

Children's Digestive Health and Nutrition Foundation: Nestle Nutrition Research Grant for New Investigators. The grant is awarded to a junior investigator in support of a meritorious basic or clinical proposal relating to nutrition in infancy, childhood or adolescence. Two-year grants are available to junior faculty to support research activities that have the potential for evolution to an independent research career in pediatric gastroenterology, hepatology and nutrition. Due: 8/6/09. Link: <http://mc.manuscriptcentral.com/societyimages/cdhnf/CDHNF%20Grant%20Announcements%202009%20dar.doc>

USDA: Rural Cooperative Development. The Agriculture Department seeks applications for its Rural Cooperative Development Grant program to establish and operate centers for cooperative development to improve the economic condition of rural areas through the development of new cooperative and improvement of existing cooperatives. Applicants will be based on their ability to provide: administrative capabilities in support of center activities; technical assistance and other services; economic development; networking and regional focus; commitment; work plan/budget; qualifications of those performing the tasks; local support; future support. Due: 6/29/09. Link: <http://www.rurdev.usda.gov/rbs/coops/rcdg/rcdg.htm>

Office of Special Education & Rehabilitative Services/DoEd: Demonstration and Training Programs -- Braille Training Program. The sponsor offers financial assistance to establish projects that will provide training in the use of Braille for personnel providing vocational rehabilitation services or educational services to youth and adults who are blind. Due: 6/22/09. Link: <http://edocket.access.gpo.gov/2009/E9-10651.htm>

Office of Postsecondary Education/DoEd: Fund for the Improvement of Postsecondary Education--FIPSE-Special Focus Competition: U.S. - Russia Program: Improving Research and Educational Activities in Higher Education. The U.S.-Russia Program encourages cooperative education programs between institutions of higher education (IHEs) in the Russian Federation and the United States of America. The objective of this program is to provide grants that demonstrate partnerships between Russian and American IHEs that contribute to the development and promotion of educational opportunities between the two nations. A total of \$400,000 is available. Due: 7/7/09. Link: <http://www.grants.gov/search/search.do;jsessionid=vkX5KGIJdJCWsZC1d7Cm3hJ4Jm1H2fWYrcldPyN6CGL2t8HQFFJl-1521724462?oppld=47269&flag2006=false&mode=VIEW>

ACF/DHHS: Mentoring Children of Prisoners. The Administration for Children and Families' Family and Youth Services Bureau is accepting applications for the Mentoring Children of Prisoners program to support the creation and maintenance of one-an-one mentoring relationships between children of incarcerated parents and caring, supportive adult volunteer mentors. Applicants must create and support mentoring relationships. Qualified staff should recruit, screen, and train potential volunteer mentors; identify and recruit eligible children of prisoners in their communities; and match each mentor with a mentee based on the interests and preferences of the mentor, mentee, and caregiver(s). Due: 6/19/09. Link: <http://www.acf.hhs.gov/80/grants/open/HHS-2009-ACF-ACYF-CV-0022.html>.

Centers for Disease Control and Prevention/DHHS: Building Strategic Alliances for Healthy Housing Pilot. The purpose of the program is to reduce or eliminate housing-related health hazards and to promote housing that is safe, healthy, accessible and affordable. Due: 5/26/09 (Letters of intent); 6/18/09 (Full applications). Link: <http://www07.grants.gov/search/search.do;jsessionid=DDR2KBpCfTKb2xhxlQNVtJpZThN1LTJGKjzqGXt3ZV0JcYcK1BZQ!2045866935?oppld=47188&flag2006=false&mode=VIEW>

Maternal and Child Health Bureau/HRSA/DHHS: MCH Autism Intervention Research. The sponsor is providing funding for autism research under two separate programs: R40 MCH Autism Intervention Research Program; and R40 MCH Autism Intervention Secondary Data Analysis Studies (SDAS) Program. Due: 5/26/09. Link: <http://www07.grants.gov/search/search.do?oppld=46929&flag2006=false&mode=VIEW>



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Education, Social Science, & Service (continued)

National Institute of Mental Health/NIH/DHHS: *Silvio O. Conte Centers for Basic and Translational Mental Health Research (P50)*. The sponsor invites applications for Silvio O. Conte Centers for Basic and Translational Mental Health Research. The institute seeks teams of researchers working at different levels of analysis and engaging in integrative, novel, and creative experimental approaches to address high-risk, high-impact questions with the primary objective of: (a) advancing the state of the science in brain and behavior research relevant to mental health; (b) supporting the integration and translation of basic and clinical neuroscience research on severe mental illnesses; and/or (c) advancing our understanding of the neurobehavioral developmental mechanisms responsible for psychopathology [or mental disorders] in childhood and adolescence. The Conte Centers program is intended to support research demonstrating an extraordinary level of synergy, integration, and potential for advancing the state of the field; this program is intended only for projects that could not be achieved by using other, more standard grant mechanisms. The Conte Centers program also provides an opportunity to establish interdisciplinary and/or translational research experiences for individuals in pre- and postdoctoral training. Due: 8/25/09 (Optional letters of intent); 9/23/09 (Full applications). Link: <http://grants1.nih.gov/grants/guide/pa-files/PAR-08-194.html>

Bureau of Justice Statistics/DOJ: *2009 NICS State Records Estimates Development and Validation Project*. Applications are being sought for an agent to (1) assist the sponsor in determining the reasonableness of certain state record estimates provided by states under the provisions of the NICS Improvement Amendments Act of 2007 (P.L. 110-180) enacted on January 8, 2008; and (2) develop state record estimates for non-responding states. Due: 6/19/09. Link: <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=47234>

Office of Juvenile Justice and Delinquency Prevention/DOJ: *Strategic Enhancement to Mentoring Programs*. This solicitation invites eligible applicants to propose research and evidence-based enhancements to mentoring programs based on three strategies: (1) involving the parents and family in activities and services, (2) delivering structured activities and programs for the mentoring matches, and (3) developing training and support for mentors. Due: 6/15/09. Link: <http://www07.grants.gov/search/search.do?oppld=47223&flag2006=false&mode=VIEW>

Office of Juvenile Justice and Delinquency Prevention/DOJ: *Second Chance Juvenile Mentoring Initiative*. The program's intent is to support the successful and safe transition of youth offenders from correctional facilities to their communities. This Initiative will provide funding to develop, implement, and expand mentoring programs and transitional services. Due: 6/15/09. Link: <http://www07.grants.gov/search/search.do?oppld=47191&flag2006=false&mode=VIEW>

Office of Juvenile Justice and Delinquency Prevention/DOJ: *Research on the Commercial Sexual Exploitation of Children*. The sponsor is seeking applications from eligible organizations for a research program that seeks to enhance understanding of the scope of the Commercial Sexual Exploitation of Children (CSEC) problem in the United States through research addressing the following questions: (1) How many youth under 18 were victims of commercial sexual exploitation in 2008 in the United States? (2) How many of these victims were known to law enforcement? (3) In a sample of jurisdictions, what were the outcomes of prosecutions of CSEC crimes for victimized youth and for CSEC perpetrators? (4) In the same sample of jurisdictions, did CSEC victims who were not known to law enforcement receive more, fewer, or different services than victims who were not known to law enforcement? Due: 6/15/09. Link: <http://www07.grants.gov/search/search.do?oppld=47224&flag2006=false&mode=VIEW>

Office of Juvenile Justice and Delinquency Prevention/DOJ: *Training for Child Abuse Professionals*. VOCA Training and Technical Assistance for Child Abuse Professionals program will provide funding for the development and implementation of a model technical assistance and training program for child abuse professionals and to improve the judicial system's handling of child abuse and neglect cases. Activities may include, but are not limited to: training sessions (on-site, cross-site, telephone, Web-based, etc.) for child abuse professionals at the local, state, regional and national levels; technical assistance at the state and local levels for child abuse professionals designed to enhance the coordinated multidisciplinary response to child abuse and to improve the judicial system's handling of child abuse and neglect cases; publications and resources designed to enhance the coordinated multidisciplinary response to child abuse; and methods to provide ongoing project assessment relating to training and technical assistance efforts. Due: 6/8/09. Link: <http://ojjdp.ncjrs.gov/grants/solicitations/FY2009/VOCATTAProfessionals.pdf>



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Dept. of State: *International Visitor Leadership programs*. The Bureau of Educational and Cultural Affairs' Office of International Visitors seeks applications for two assistance awards to develop and implement projects that will increase mutual understanding between the United States and foreign publics through carefully designed professional programs for approximately 4,500 foreign visitors per year from all regions of the world. Activities such as orientation should include: a session on multiethnicity and multiculturalism; seminars, workshops, meetings and other forms of interaction, relevant diversity issues should be addressed; and wrap-up and reentry sessions should include a component on diversity issues observed in the United States, and, if relevant, a comparative worldwide view of diversity; among others. Due: 6/5/09. Link: <http://www07.grants.gov/search/search.do;jsessionid=VGKfKM1dsqG2wKrv5n6DX5CZvCQNpBJx7SIFtB2Vc3M1xtfKm9VD!115390264?oppld=46901&flag2006=false&mode=VIEW>

Drug Policy Alliance: *Rapid Response/Special Opportunities Program*. The sponsor offers support for a program that will provide strategically timed Project Specific grants to organizations whose projects aim to achieve maximum impact in a short time. Due: First business day of each month. Link: <http://www.drugpolicy.org/about/jobsfunding/grants/rapid/>

Heinz (H.J.) Company Foundation: *Grants Program*. Support is provided to tax-exempt organizations to promote the health and nutritional needs of children and families. Due: N/A. Link: <http://heinz.com/sustainability.aspx/social/heinz-foundation.aspx>

Heller (Clarence E.) Charitable Foundation: *Clarence E. Heller Charitable Foundation Grants*. The sponsor provides funding in multiple areas of interest, which include environment and health, music, education, and special projects. Due: 8/14/09. Link: http://www.cehcf.org/app_info.html

Knowles (Janet H. and Harry) Foundation: *Young Scholars Research Fellowship Program*. The Research Fellowship seeks to support early career scholars engaged in critical research in education. Three two-year fellowships will be made for \$110,000 each. Due: 6/30/09 (Pre-proposals); 1/6/10 (Invited full proposals). Link: http://www.kstf.org/rf_application_info.aspx

Komen (Susan G.) Breast Cancer Foundation: *Investigator-Initiated Research Grants*. Investigator Initiated Research Grants provide up to \$600,000 over three years to stimulate exploration of new ideas and novel approaches in breast cancer research and clinical practice that will lead to reductions in breast cancer incidence and mortality within the next decade. Due: 6/1/09 (Pre-applications); 7/31/09 (Full applications). Link: <http://ww5.komen.org/uploadedFiles/Content/ResearchGrants/GrantPrograms/new-InvestigatorInitiated2009-2.pdf?n=3705>

NSF: *Computing and communication foundations*. The National Science Foundation seeks applications to support research and education projects that develop new knowledge in three core programs: The Algorithmic Foundations program; The Communications and Information Foundations program; and The Software and Hardware Foundations program. The Algorithmic Foundations program supports research characterized by algorithmic thinking accompanied by rigorous analysis; the Communications and Information Foundations program supports transformative research that addresses the theoretical underpinnings and current and future enabling technologies for information acquisition, transmission, and processing in communication and information networks; and the Software and Hardware Foundations program advances the design, verification, operation, utilization, understanding and evaluation of the hardware and software that make up computers and computer-based systems. Due: 12/17 (Small projects); 8/30 (Medium projects); 11/28 (Large projects). Link: <http://www.nsf.gov/pubs/2009/nsf09555/nsf09555.pdf>

Social Security Administration: *Financial literacy research consortium*. The Social Security Administration seeks applications in support of the Financial Literacy Research Consortium that will serve as a national resource fostering innovative research and development on how to encourage savings through greater financial literacy. Activities may include but are not limited to developing products – such as Internet tools as well as print materials – that help foster retirement and other savings strategies at all stages of the life cycle; a focus on educational products to help low and moderate income populations successfully plan and save for retirement and other life events; and potentially evaluating optimal distribution channels for some or many of these products. Due: 6/6/09. Link: <http://www.ssa.gov:80/oag/grants/current/orp-09-1/ssa-orp-09-1.htm>



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Education, Social Science, & Service (continued)

Sociological Initiatives Foundation: Grants Program. The sponsor supports projects that address institutional rather than individual or behavioral change and/or research and initiatives that provide insight into sociological and linguistic issues that may be useful to specific groups and/or communities. Due: 8/15/09.

Link: <http://comm-org.wisc.edu/sif/page.php?3>

U.S. Agency for International Development: PREPARE (Pandemic Preparedness) Activity. Under this program, the sponsor will provide support to eligible organizations for simulation exercises at global, regional, sub regional and/or national levels; collaborative consultation, planning, and training events; and analytic and managerial tools to improve influenza and infectious disease pandemic preparedness planning capacity at global, regional, sub-regional, or national levels. Due: 6/4/09. Link: <http://www07.grants.gov/search/search.do?oppld=47189&flag2006=false&mode=VIEW>

Valentine Foundation: Grants Program. The sponsor is a charitable foundation committed to funding organizations and programs that produce significant change in the social, economic and political systems and institutions that impact the lives of women and girls in order to make those lives more equitable. Due: 6/30/09 (Letter of Inquiry accepted between 5/1 – 6/30). Link: http://www.valentinefoundation.org/application_procedure.html

Science, Technology, Engineering, and Mathematics

American Society of Tropical Medicine and Hygiene: Pfizer Centennial Travel Award in Basic Science Tropical Disease Research. The sponsor provides support for individuals with doctoral-level degrees who seek travel to laboratories in the tropics to pursue studies in molecular, cellular or immunological aspects of tropical infectious diseases. Due: 6/17/09. Link: http://www.astmh.org/AM/Template.cfm?Section=ASTMH_Sponsored_Fellowships&Template=/CM/ContentDisplay.cfm&ContentID=1959

Bill & Melinda Gates Foundation: Grand Challenges Explorations Round 3. Each round of the Grand Challenges Explorations initiative awards grants against a set of specific topics. In general, topics are chosen according to three major criteria: 1) The topic fits within the goals and disease priorities of the Grand Challenges in Global Health; 2) The topic contains a roadblock where radical, new thinking is needed for the discovery of an effective health solution; 3) Potential projects within the topic are likely to be well suited for the phased structure of the initiative. In addition, we consider whether a topic will engage the participation from scientists outside traditional global health disciplines, as well as researchers working in the developing world. Topics for Round 3 are: 1) Create Low-Cost Diagnostics for Priority Global Health Conditions; 2) Create New Ways to Induce Mucosal Immunity; 3) Create New Vaccines for Diarrhea, HIV, Malaria, Pneumonia and Tuberculosis; 4) Create New Tools to Accelerate the Eradication of Malaria. Due: 5/28/09. Link: <http://www.grandchallenges.org/Explorations/Pages/Introduction.aspx>

DARPA: N/MEMS S&T Fundamentals. DARPA is soliciting innovative fundamental research proposals in the area of anoelectromechanical systems (NEMS) and microelectromechanical systems (MEMS) devices and arrays enabled by emerging and maturing nano/micro technologies. The contemplated program on N/MEMS S&T Fundamentals is seeking research by means of highly interactive, multi-performer (university/nonprofit/industry/other) focus centers dedicated to advancing a number of core technologies considered essential to the continuing advancement of NEMS and MEMS technology and its transition into applications important to the Department of Defense (DoD). Proposed research to be conducted by university and industrial research partners, with possible additional participation by Government laboratories (to the extent such Government organizations can prove their eligibility), should be focused on cross-cutting fundamental issues having pervasive impact to the technical community and capable of enabling revolutionary advances in micro/nano technology science, devices, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. Due: 7/1/09. Link:

<https://www.fbo.gov/?s=opportunity&mode=form&id=61ef0848e4d505997d292bf951b6a19d&tab=core&cvview=0>



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STEM (continued)

DARPA: Wound Stasis System Program. DARPA seeks a materials-based agent(s) and delivery system that provides damaged tissue-targeted hemostasis and wound control capable of treating compressible and non-compressible wounds regardless of geometry and location. Successful completion will result in a hand-held delivery system that addresses military needs for control of blood loss and improved wound outcome. Due: N/A. Link:

<http://www07.grants.gov/search/search.do;jsessionid=20y9J1qX5npqmJk6JjNMz9cVnkq119Gf26TZhpCD0R1hj976TmL!-245487538?oppld=46081&flag2006=false&mode=VIEW>

DARPA: Active Cooling Modules. DARPA is soliciting innovative research proposals in the area of active cooling modules. Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, or systems. Research that primarily results in evolutionary improvements to the existing state of practice is excluded. Due: 6/18/09 (Abstract); 8/13/09 (Proposal). Link: <http://www.darpa.mil/mto/solicitations/baa09-44/index.html>

Defense Logistics Agency: R&D for DLA Supply Support. The DLA/DCSO is soliciting proposals to establish a long-term contract for providing research and development (R&D) solutions under the Research and Development for DLA Supply Support (RDSS). The scope of this contract will focus on definition of R&D solution ideas, performance, and management of R&D Projects referred to as Short Term Projects (STPs). The RDSS program has been in existence since FY00, first as the Aging Aircraft program, then the Aging Systems program, and now the RDSS program. It is part of DLA's Logistics R&D Advanced Development program. The mission of the RDSS program is to provide tools and methods to help DLA personnel improve delivery of parts and services to our customers. The mission is accomplished through sharply-focused STPs. Due: 5/28/09. Link:

https://www.fbo.gov/?s=opportunity&mode=form&id=b4b3967ffefe4b00942e056b2d933449&tab=core&_cvview=0

Defense Logistics Agency: Emergent R&D Requirements. DLA is interested in receiving white papers ONLY for R&D for scientific study and experimentation directed toward advancing the state of the art or increasing knowledge or understanding in defense logistics. The particular emergent requirements that are the subject of this BAA are: (1) to operate a network of lean manufacturing experts who will combine high-level strategic consulting and hands-on assistance to help small to midsized manufacturers who are lower-tier suppliers to DoD primes improve their operations and improve performance by making those suppliers faster, more flexible, leaner and more efficient; (2) to provide training and one-on-one assistance to small manufacturing firms to upgrade their capabilities to supply obsolete parts to DoD by enhancing their reverse engineering capabilities, including developing acceptable technical data packages; (3) to explore the use of various biofuels feedstocks in jet fuels and examine the impact of introducing biofuels into the current jet fuel delivery stream; (4) to develop small manufacturers as DoD suppliers for DLA's Battlefield Back-Order Breakout Initiative (B3I) program, which seeks to provide parts urgently needed in-theater from new suppliers; and (5) to address parts backorder reduction by conducting requirements analyses and technical risk assessments and developing prototype tools to improve management of warfighter materiel. White papers may be based on fundamental research and development; concept formulation; assessment of system and subsystem requirements and processes; development, analysis and evaluation of concepts, systems and subsystems; development of associated industrial capabilities support techniques and processes; development of associated manufacturing techniques and processes; modeling and simulation; simulation-based acquisition; integrated data environments and product data managers; and development of operational systems. Due: 6/4/09. Link:

https://www.fbo.gov/?s=opportunity&mode=form&id=acb063ae6e233ea5c3627695be0c6d08&tab=core&_cvview=1

Department of the Air Force: Advanced Development of Protection Technologies (ADePT).

Materials and Manufacturing Directorate, Manufacturing Technology Division (AFRL/RXPJ) solicits research proposals addressing development and demonstration of materials and techniques for the optical and structural hardening of Air Force Intelligence, Surveillance and Reconnaissance (ISR) and targeting sensors. The resulting programs will seek to mature previously developed concepts for application to component, subsystem or system level platforms. Due: Open BAA. First call due 5/26/09. Link:

https://www.fbo.gov/index?s=opportunity&mode=form&id=ef4a5b90b4a1558b8ea6511208500ea5&tab=core&_cvview=0&cck=1&au=&ck=



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Department of the Army: *Thermal Imaging Devices*. The U.S. Research, Development and Engineering Command Acquisition Center (RDECOMAC) has a requirement for Thermal Imaging devices using an eye-safe green or other color laser in support of the Rapid Equipping Force. This proposed procurement is unrestricted. The Government intends to procure this requirement under NAICS 423990. This request for proposal requires cost proposals to be evaluated for award. Competitive proposals will be evaluated based on the evaluation criteria set forth in the solicitation package. All responsible sources may submit a quote which shall be considered by the agency. The solicitation will be provided in an electronic format, free of charge. Due: 6/12/09. Link:

https://www.fbo.gov/?s=opportunity&mode=form&id=5665e51e756aa424a73cd88bb02ba813&tab=core&_cvview=0

Office of Science/DOE: *Joint Mathematics/Computer Science Institute*. The sponsor invites applications for research under a unified management structure to address key challenges where collaborative research in applied mathematics and computer science efforts are required to bridge the gap between large complex scientific applications software and next-generation hardware. Due: 6/5/09. Link:

<http://www07.grants.gov/search/search.do?oppld=47221&flag2006=false&mode=VIEW>

National Institute of Neurological Disorders and Stroke/NIH/DHHS: *Assay Development for High Throughput Molecular Screening (R21)*. The sponsors provide support for the development and adaptation of biological assays for use in automated High-Throughput Screening (HTS) projects. These HTS-ready assays can then be screened by the Molecular Libraries Production Centers Network (MLPCN) to identify biologically active compounds in a large library of small molecule chemical structures. Due: 11/6/09, 3/6/10 (Optional letters of intent); 11/20/09, 3/20/10 (Full applications). Link:

<http://grants1.nih.gov/grants/guide/pa-files/PAR-08-024.html>

Centers for Disease Control and Prevention/DHHS: *Audiometric Test Frequency*. This effort shall determine if 8 kHz is sufficiently reliable as an audiometric test frequency to be incorporated as a standard test frequency during the annual audiometric monitoring component of a hearing loss prevention program. This shall be accomplished by: (1) Determining the relative reliability of pure tone hearing thresholds as a function of repeated measures taken on the same day. (2) Determining the relative reliability of pure tone hearing thresholds as a function of repeated measures taken on different days. (3) Quantifying the extent to which the reliability of 8 kHz hearing thresholds are similar to or different from hearing thresholds at 0.5, 1, 2, 3, 4, and 6 kHz, for both males and females between the ages of 20 and 69. The complete solicitation document, and reference material, if applicable, will be available for downloading at www.fedbizopps.gov on or about 5/5/2009 and proposals will be due on or about 6/5/2009. Due: 6/5/09. Link:

https://www.fbo.gov/?s=opportunity&mode=form&id=533e74fd6978b0cbefd6e6c34f4d6a2e&tab=core&_cvview=0

National Institute of Diabetes and Digestive and Kidney Diseases/NIH/DHHS: *Enhancing Zebrafish Research with Research Tools and Techniques (R01)*. The sponsors provide support for investigator-initiated applications designed to exploit the power of the zebrafish as a vertebrate model for biomedical and behavioral research. Applications proposing to develop new research tools or techniques that are of high priority to the zebrafish community and that will advance the detection and characterization of genes, pathways, and phenotypes of interest in development and aging, organ formation, neural processes, behavior, sensory processing, physiological processes, and disease processes are welcome. Due: 8/17/09, 8/17/10 (Optional Letters of Intent); 9/17/09, 9/17/10 (Full applications). Link: <http://grants1.nih.gov/grants/guide/pa-files/PAR-08-139.html>

National Institutes of Health/DHHS: *Microbicide innovation*. NIH solicits applications for research in the field of topical microbicides. The Microbicide Innovation Program will support five areas: advancement of microbicides through basic and preclinical research; emerging technologies or models that contribute to new and/or more efficient mechanisms for understanding the interaction of microbicide candidates; development of behavioral and social tools that address product acceptability, initiation, and potential for sustained use; complex prevention strategies incorporating application of vaginal, rectal and/or penile microbicides with other prevention modalities; and discovery and preclinical characterization of microbicides directed against HIV and/or STIs. Due: 6/10/09 (Letters of intent); 7/10/09 (Proposals).

Link: <http://grants.nih.gov:80/grants/guide/rfa-files/RFA-AI-09-021.html>



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STEM (continued)

National Institutes of Health/DHHS: *NHLBI Programs of Excellence in Nanotechnology*. The National Institutes of Health (NIH), National Heart, Lung, and Blood Institute (NHLBI), Office of Acquisitions (OA), will be seeking proposals from Programs of Excellence in Nanotechnology (PEN) contractors to develop and enhance nanotechnology-based tools and devices and use them to improve the diagnosis and treatment of heart, lung, and blood diseases. Each PEN contractor will integrate expertise in multiple disciplines (nanotechnology, physiology, clinical studies, molecular biology, genomics, chemistry, physics, bioengineering, computational biology, bioinformatics, and biostatistics) to advance nanotechnology applications in heart, lung, blood diseases. Each PEN contractor will identify and address three to five projects focused on heart, lung, and/or blood diseases using an interdisciplinary approach. Examples include, but are not limited to: 1) In vitro diagnostics, 2) Tissue engineering, 3) Molecular imaging, 4) Thrombolysis, 5) Drug delivery, 6) Biocompatibility and infection control, 7) Nucleic acid delivery. Each NHLBI PEN will be expected to develop nanotechnology-based tools and technologies with the long-term goal of applying them to clinical diagnosis and therapeutics for heart, lung, and blood diseases. Due: 5/23/09. Link: <https://www.fbo.gov/spg/HHS/NIH/NHLBI/NHLBI-BAA-HV-10-08/listing.html>

Dept. of Transportation: *Safety Evaluation of Access Management Policies and Techniques*. The Federal Highway Administration (FHWA) has a requirement for a contract to: 1) develop evaluation models to assess the safety impact of access management policies and treatments relevant to urban, urbanizing, and suburban arterials; 2) propose an access management evaluation framework that can be adopted by state and local agencies to evaluate compliance of access management policies, and the impacts of viable access treatment techniques; and 3) develop functional specifications showing step by step algorithms of evaluating the safety impacts of access management policies and techniques. This requirement is full and open competition pursuant to NAICS code 541990 with a size standard of 500 employees. Due: 6/30/09. Link: <https://www.fbo.gov/?s=opportunity&mode=form&id=d66911411e9fff70aa8a4f940a77d08e&tab=core&cvview=0>

EPA: *Healthy Indoor Environments*. The Environmental Protection Agency is soliciting proposals to fund projects to reduce the public's exposure to common indoor environmental hazards and address program priority areas. Activities include: outreach and training projects that result in effective Indoor Air Quality management practices in schools; education of asthmatics and/or their caregivers concerning environmental triggers through home, day care, community and school interventions; or training of health care professionals, community workers, and other trained individuals on environmental management of asthma so they can counsel people with asthma. Projects must be performed within EPA Region 6: Arkansas, Louisiana, New Mexico, Oklahoma and/or Texas. Due: 6/16/09. Link: <http://www.epa.gov/region6/6pd/iaq/rfp2009.pdf>

Howard Hughes Medical Institute: *Undergraduate Science Education Program*. The undergraduate science education program enables institutions to develop effective ways to enhance the success of all students, including persons from groups that are underrepresented in science. The core grant will provide funding in four components: Student Research; Faculty Development; Curriculum Development; and Outreach and Transitions. Grant program will support initiatives that strengthen science education by a variety of strategies to: integrate research and teaching in undergraduate education; engage students in inquiry-based science; prepare undergraduates, including women and members of minority groups underrepresented in the sciences, for graduate studies and careers in biomedical research, medicine, and science education; promote science literacy among all students; support new and high-quality approaches and techniques in science teaching; enhance precollege education by connecting university science departments with education majors, preK–12 teachers, students and schools; provide substantive teaching and mentoring experiences to prepare postdoctoral fellows and graduate students for future roles as educators; provide opportunities and resources for faculty members to improve their teaching skills, course materials, and mentorship; encourage collaborations and partnerships that expand opportunities and share resources, including partnerships between the applicant institution and other institutions that serve important constituencies; disseminate successful science education approaches and tools. Due: 10/1/09. Link: http://www.hhmi.org/grants/pdf/comp_annnc/2010universities.pdf



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NASA: Software Engineering Support. NASA Goddard Space Flight Center plans to issue a Draft Request for Proposal (DRFP) for the Software Engineering Support (SES) services contract. This Contract will provide support for the core business of the Software Engineering Division which encompasses the design, development, test, deployment and maintenance of software, data and information systems that support aerospace missions both in development and on-orbit. The scope of the contract will also include support for Division managed development/test labs, test facilities, and technical operations. This competitive procurement will result in a cost-plus-award-fee level of effort contract, (CPAF/LOE). This contract will have a term of five years from the effective date of the contract which is anticipated to be awarded February 2010. Prior to the contract start date there will be a 45-day phase-in period. The Government does not intend to acquire a commercial item using FAR Part 12. See Note 26. The NAICS Code and Size Standard are 541712 and 1,000 employees respectively. Due: 7/5/09. Link:

https://www.fbo.gov/?s=opportunity&mode=form&id=164c7fbb18053dfcc16db4e6c3eb1050&tab=core&_cvview=0

Directorate for Geosciences/NSF: Sedimentary Geology and Paleobiology (SGP-SEP). The sponsor supports studies in sedimentary geology and paleobiology. Due: 8/7/09, 1/16/10. Link: <http://www.nsf.gov/pubs/2009/nsf09560/nsf09560.htm>

NSF: Engineering Research Centers. The goal of the Generation Three (Gen-3) Engineering Research Centers (ERC) Program is to create a culture in engineering research and education that links discovery to technological innovation through transformational fundamental and engineered systems research in order to advance technology and produce engineering graduates who will be creative U.S. innovators in a globally competitive economy. Gen-3 ERCs will: 1. Advance discovery and build bridges from science-based discovery to technological innovation to realize transforming engineered systems. 2. Partner with foreign universities and provide unique opportunities for research and learning collaboration that will prepare U.S. engineering graduates for leadership in innovation in a global economy. 3. Form teams of faculty and students who are diverse and talented individuals who will prepare diverse and talented domestic and international graduates who can function in a global world where research, design and production efforts cross national borders. 4. Function with transforming engineering education programs that rest on partnerships with pre-college institutions to attract students to engineering and strategically impart in engineering graduates the capacity to create and exploit knowledge for technological innovation. 5. Function with partnerships with industry and other users, organizations devoted to stimulating entrepreneurship and innovation at the local level, and small firms engaged in the ERC's research program to speed translation of research results to innovation. Due: 5/15/19 (Required Letter of Intent); 7/15/09 (Required Preliminary Proposal); 1/12/10 (Invited Full Proposal). Link: <http://www.nsf.gov/pubs/2009/nsf09545/nsf09545.htm>.

NSF: Crosscutting Programs. The National Science Foundation seeks proposals in crosscutting areas that are scientifically timely, and that benefit from the intellectual contributions of researchers with expertise in a number of computing fields and/or subfields. The three fields/programs of interest include: Data-Intensive, which seeks to increase our understanding of the capabilities and limitations of data intensive computing; Computing Network Science and Engineering, created to develop the science and engineering of these networks, yielding new scientific understanding about their complexity and informing their future design; and Trustworthy Computing, which supports projects that strengthen the scientific foundations of trustworthiness. Due: 12/17 (Small projects); 8/30 (Medium projects); 1/28 (Large projects). Link: <http://www.nsf.gov/pubs/2009/nsf09558/nsf09558.pdf>

Office of Naval Research: Sciences Addressing Asymmetric Explosive Threats. The Office of Naval Research (ONR) is interested in receiving proposals describing innovative scientific concepts that will form the foundation for future technologies that may be developed and implemented to efficiently and effectively address future asymmetric threats, resulting in explosive events. This BAA is part of a basic research program, and as such the knowledge and technologies developed here may lead to future applied research; however, research under this program is limited to fundamentally new theories, data, concepts, and principles. Due: 8/13/09. Link:

https://www.fbo.gov/index?s=opportunity&mode=form&id=12f336866c8b61c3a8584995a5586d1c&tab=core&_cvview=0



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STEM (continued)

Wolf Foundation: *Wolf Foundation Prizes in the Sciences and Arts*. Five or six prizes of \$100,000 each are awarded annually to outstanding scientists and artists, irrespective of nationality, for achievements in the interest of mankind and friendly relations among peoples. In science, annual awards are made in agriculture, chemistry, mathematics, medicine, and physics. Arts prizes in architecture, music, painting and sculpture rotate annually. Due: 8/31/09. Link: <http://www.wolffund.org.il/main.asp?idMain=20>

Federal One-Time Opportunity: *IARPA Wide Broad Agency Announcement (BAA)*. This BAA is being issued to allow continuous submission of abstracts and proposals to IARPA that do not address topics currently covered by open IARPA solicitations. Submission of abstracts is STRONGLY encouraged in advance of full proposals in order for IARPA to provide potential offerors with an indication of the relevance and acceptability of their technical ideas under this BAA. This announcement seeks research ideas for topics not addressed by ongoing IARPA programs or other published IARPA solicitations. Potential offerors are highly encouraged to review the current IARPA solicitation list at <http://www.iarpa.gov/solicitations.html> to avoid proposing efforts that are responsive to other IARPA solicitations. This BAA is primarily, but not solely, intended for early stage research that may lead to larger, focused programs in the future. (IARPA commonly refers to these early stage research efforts as seedlings.) Due: 8/31/09. Link: https://www.fbo.gov/?s=opportunity&mode=form&id=842c379af8e0eb4dd768699189f04b0a&tab=core&_cview=0

Federal One-Time Opportunity: *Reynard Program Broad Agency Announcement*. The Intelligence Advanced Research Projects Activity is seeking innovative solutions through this BAA for the Reynard Program, which is envisioned to begin in the fourth quarter of Fiscal Year 2009 and end by 2012. IARPA sponsors leading-edge research to help the Intelligence Community keep abreast of the many sources of information needed to inform our nation's leadership. A new channel for information exchange and social interaction is emerging with the growing popularity of Virtual Worlds (VWs) and Massive Multiplayer Online Games (MMOGs). Performers in the Reynard program will be expected to produce one or more VW behavioral indicators that serve to identify RW attributes of individuals or groups. VW behavioral indicators may be examined in the areas of Avatars and Representation, Communication, Things That Avatars Do, Group Formation and Dynamics, Money and Economics, and Cultural Differences. The Reynard program will be structured into two 18-month phases. Multiple awards are anticipated for Phase 1. Performance against the Phase 1 metrics will be a key factor in determining whether a performer will continue on to Phase 2. Due: 6/16/09. Link: https://www.fbo.gov/?s=opportunity&mode=form&id=7edabfb34f106aa0fa5623b59bb8887a&tab=core&_cview=0

Student Support

American Speech-Language-Hearing Foundation: *Graduate Scholarships for Minority Students*. Support is provided for a racial/ethnic minority student who is a U.S. citizen and who is accepted for graduate study in communication sciences and disorders. One scholarship will be awarded. Due: 6/12/09. Link: <http://www.ashfoundation.org/NR/rdonlyres/C880F2F9-4940-43C0-B87E-8E5DB6BB1ACF/0/09GSS.pdf>

Entomological Foundation: *BioQuip Undergraduate Scholarship*. The sponsor provides a \$2,000 scholarship to promote and encourage student interest in the science of entomology. Students must be enrolled as undergraduate students in entomology at a college or university in the United States, Mexico, or Canada. Due: 7/1/09. Link: <http://www.entsoc.org/awards/student/bioquip.htm>