

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: National Cancer Institute/NIH/DHHS: Limited Competition: Research and Research Infrastructure Grand Opportunities (RC2). The sponsors solicit through this limited competition applications from U.S. institutions/organizations proposing to develop and implement critical research innovations to advance the research enterprise, stimulate future growth and investments, and advance public health and health care delivery. The purpose of the "GO" grants program is to support high impact ideas that lend themselves to short-term funding, and may lay the foundation for new fields of investigation. The "GO" grants program will support large-scale research projects that accelerate critical breakthroughs, early and applied research on cutting-edge technologies, and new approaches to improve the synergy and interactions among multi and interdisciplinary research teams. The initiative seeks novel approaches in areas that address specific knowledge gaps, scientific opportunities, new technologies, data generation, or research methods that would benefit from an influx of funds to quickly advance the area in significant ways. Applicants may propose to address either a specific research question or propose the creation of a unique infrastructure/resource designed to accelerate scientific progress in the future. Due: 5/27/09. Link: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-OD-09-004.html>

RECOVERY ACT: National Center for Research Resources/NIH/DHHS: Limited Competition: Enabling National Networking of Scientists and Resource Discovery (U24). Sponsor invites applications designed to develop, enhance, or extend infrastructure for connecting people and resources to facilitate national discovery of individuals and of scientific resources by scientists and students to encourage interdisciplinary collaboration and scientific exchange. A diversity of institutions must be included to ensure broad applicability and national impact. Due: 5/18/09 (Optional letters of intent); 6/15/09 (Full applications). Link: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-RR-09-009.html>

RECOVERY ACT: Golden Field Office/DOE: Enhanced Geothermal Systems Component Research and Development/Analysis. DOE is seeking advanced technology to address key aspects of engineered reservoir creation, management, and utilization identified in the GTP Multi-Year Research, Development, and Demonstration plan. Projects are sought to develop innovative technology for cost-effective creation, management, and utilization of Enhanced Geothermal Systems (EGS) in reservoir environments. Supporting technological improvements and overall geothermal systems analysis to establish critical energy, environmental and economic baseline information are needed in multiple topic areas. Due: 6/15/09. Link: <http://www07.grants.gov/search/search.do;?oppld=45677&flag2006=false&mode=VIEW>

RECOVERY ACT: NIH: Recovery Act Limited Competition: Academic Research Enhancement Award (AREA). The purpose of the program is to stimulate research in educational institutions that provide baccalaureate or advanced degrees for a significant number of the Nation's research scientists, but that have not been major recipients of NIH support. These AREA grants create opportunities for scientists and institutions otherwise unlikely to participate extensively in NIH programs, to contribute to the Nation's biomedical and behavioral research effort. AREA grants are intended to support small-scale health-related research projects proposed by faculty members of eligible, domestic institutions. Due: 9/24/09.
Link: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-09-007.html>



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ARRA (continued)

RECOVERY ACT: Army/DOD: *Smaller, Lighter Co-Generation and Absorption Environmental Control Technologies*. The U.S. Army is interested in supporting research in the area of renewable energy, specifically for the co-generation of cooling, heating, and power from waste heat sources. Waste heat sources may include but are not limited to diesel engine exhaust gases, engine cooling fluids, and ambient airstreams. Goals of the development include advanced technology demonstration for commercial and military applications, miniaturization of components, and thermodynamic cycle enhancement for improved energy efficiency, with associated development of innovative thermal system components. Due: 5/15/09 (Required White Paper); 6/18/09 (Invited full proposals). Link: https://www.fbo.gov/index?s=opportunity&mode=form&id=4f05b3253e42fa9489a06a99c86b72a8&tab=core&_cvview=0&ck=1&au=&ck

Arts and Humanities

Annenberg Foundation: *Grants Program*. The sponsor provides support for projects within its grant-making interest areas of education and youth development; arts, culture and humanities; civic and community; health and human services; and animal services and the environment. Due: Letters of Inquiry are accepted at any time. Link: <http://www.annenbergfoundation.org/grants/>

French American Cultural Exchange: *Tournees Festival*. The sponsor provides grants to university departments, film clubs and student organizations who want to show five contemporary French films during the academic year. Due: 6/30/09; 10/1/09. Link: <http://www.facecouncil.org/tournees/index.html>

Getty Images: *Grants for Editorial Photography*. Support is provided to professional photojournalists for grants for editorial photography. Due: 5/15/09; 11/15/09. Link: http://corporate.gettyimages.com/marketing/grants_editorial/index.asp

NEH: *Humanities Collections and Resources*. The NEH Division of Preservation and Access solicits applications for its Humanities Collections and Resources program to strengthen efforts to extend the life of materials, and make their intellectual content widely accessible, often through the use of digital technology. Activities may include or combine, but are not limited to: arranging and describing archival and manuscript collections; cataloging collections of printed works, photographs, recorded sound, moving images, art, and material culture; and implementing preservation measures. Due: 7/15/09. Link: <http://www.grants.gov/search/basic.do> (CFDA #: 45.149).

Weill (Kurt) Foundation for Music: *College/University Performance and Production Grants*. The sponsor will make two types of grants: stage works and concert works. For stage works, grants are awarded to colleges and universities in support of general production expenses of Kurt Weill's stage works. For concert works, grants are available to cover musical expenses in connection with performance of complete Weill concert works. Due: 6/1/09. Link: <http://www.kwf.org/kwf/foundation/grant-program>

Education, Social Science, & Service

American Psychological Foundation: *Counseling Psychology Endowment Fund*. The sponsor provides support for nonprofit for scientific, literary, or educational purposes to enhance the science and practice of counseling psychology. Due: 11/1/09. Link: <http://www.apa.org/apf/counseling.html>

American Psychological Foundation: *Violence Prevention and Intervention Grants*. The sponsor provides this program as a means to help understand and prevent violence. Up to \$20,000 will be available for research-based programs in violence prevention and intervention. Due: 6/1/09. Link: <http://www.apa.org/apf/violence-rfp.pdf>

Annenberg Foundation: *Grants Program*. The sponsor provides support for projects within its grant-making interest areas of education and youth development; arts, culture and humanities; civic and community; health and human services; and animal services and the environment. Due: Letters of Inquiry are accepted at any time. Link: <http://www.annenbergfoundation.org/grants/>



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Education, Social Science, & Service (continued)

CDC: *People with clotting disorders.* The Centers for Disease Control and Prevention seeks cooperative agreements for non-research activities for people affected by clotting that provides access to public health programs with accurate and credible health information. Programs should increase knowledge and awareness, or influence perceptions, beliefs and attitudes of people who have been affected by clotting, or teach health care professionals about health behaviors to prevent or mitigate secondary conditions associated with clotting. Activities may include implementing effective health promotion and wellness programs, or providing training for health care professionals or management strategies. Due: 6/8/09. Link: www.grants.gov (Funding Opp #: CDC-RFA-DD09-904).

Drug Policy Alliance: *Advocacy Grants Program--Promoting Policy Change.* The sponsor will support efforts to change and shape drug policies through advocacy, community mobilization and education. Due: 6/11/09. Link: <http://www.drugpolicy.org/docUploads/AdvocacyGrantForm0505.pdf>

DOC: *Telecommunications facilities program.* The Commerce Department's National Telecommunications and Information Administration seeks applications for the Public Telecommunications Facilities Program, which assists in the planning and construction of public telecommunications facilities. Activities should extend cost-effective delivery of service to as many citizens as possible; increase public telecommunications services and facilities available to, operated by, and controlled by minorities and women; and strengthen the capability of existing public TV and radio stations to provide public telecommunications services to the public. Due: 5/18/09. Link: www.ntia.doc.gov/ptfp/attachments/FFO_Notice_09.html

Department of the Navy/DOD: *Patient Satisfaction Survey Services for BUMED.* The FISCN Contracts Dept, Phila Div is purchasing Patient Satisfaction Survey Services for BUMED using FAR Part 15 procedures. These services require the perspective contractor to receive electronic data from the government's Composite Health Care System (CHCS) database for the purpose of contacting patients to determine their degree of satisfaction with the medical services received. Surveys shall be conducted via mail, web and Interactive Voice Response. Due: 5/29/09. Link: https://www.fbo.gov/?s=opportunity&mode=form&id=62fc7e1a029d62918bcb3914cf5d19a&tab=core&_cview=0

DoEd: *Survey of Higher Education Institutions to Determine Tests and Cut Scores in Reading and Mathematics Used for Student Placement.* The Governing Board is seeking a contractor to conduct a survey of higher education institutions to determine the tests and cut-scores in reading and mathematics used to place entry level college students into credit bearing coursework and into remedial/developmental programs. The results of the survey will be used, along with results from other planned research, to enable NAEP to report on the preparedness of 12th graders for postsecondary education and training. Due: 6/8/09. Link: https://www.fbo.gov/?s=opportunity&mode=form&id=dc50610cf85b62fcfbcbddb675948a46&tab=core&_cview=0

DoEd: *Content Alignment Studies of the 2009 National Assessment of Educational Progress from Grade 12 Reading and Mathematics with the SAT and Accuplacer in These Subjects.* The Governing Board is seeking a contractor to conduct content alignment studies for the grade 12 NAEP in reading and in mathematics with the SAT and ACCUPLACER in these subjects. The purpose of content alignment studies is to evaluate the extent to which the grade 12 NAEP is aligned in content and complexity with the comparable subject tests, i.e. reading and mathematics, in the SAT and the ACCUPLACER, both tests of the College Board. Due: 6/15/09. Link: <https://www.fbo.gov/?s=opportunity&mode=form&id=00b625e54a1a260d2eadc3>

Office of English Language Acquisition/DoEd: *Foreign Language Assistance Program -- Local Educational Agencies with Institutions of Higher Education.* The Foreign Language Assistance Program (FLAP) provides grants to local educational agencies (LEAs) for innovative model programs providing for the establishment, improvement, or expansion of foreign language study for elementary and secondary school students. Under this competition, as required by Public Law 111-8 (the Omnibus Appropriations Act, 2009), 5-year grants will be awarded to LEAs to work in partnership with one or more institutions of higher education (IHEs) to establish or expand articulated programs of study in languages critical to United States national security in order to enable successful students to achieve a superior level of proficiency in those languages. Due: 5/11/09 (Notices of intent); 5/27/09 (Full applications). Link: <http://edocket.access.gpo.gov/2009/E9-9132.htm>



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Education, Social Science, & Service (continued)

DHS: *Citizenship grants.* The Homeland Security Department's Citizenship Grant program seeks proposals to support community-based organizations that serve immigrant populations with citizenship preparation programs. Activities to be provided may include but are not limited to English as a Second Language, English language/civics, citizenship instruction, educational resources (textbooks, language software, computers, etc), assistance with preparing and completing the naturalization application process (including case management), citizenship-focused community outreach, and staff and volunteer training. Due: 5/15/09. Contact: David Batcheller (202) 447-5272; david.batcheller@dhs.gov

Administration on Children, Youth and Families/ACF/DHHS: *Mentoring Children of Prisoners Grants.* The sponsor is accepting applications for the Mentoring Children of Prisoners (MCP) program. This program supports the creation and maintenance of one-on-one mentoring relationships between children of incarcerated parents and caring, supportive adult volunteer mentors. Due: 6/19/09. Link: <http://www.acf.hhs.gov/grants/open/HHS-2009-ACF-ACYF-CV-0022.html>

NIH/DHHS: *Health coverage and drug treatment.* The NIH's National Institute on Drug Abuse solicits research project grant (R01) applications from institutions/organizations that propose to conduct rigorous, theory-driven research on the effects of recent legislative and regulatory changes affecting insurance coverage for drug abuse treatment services. Research activities may include but are not limited to randomized trials or pre-post observational studies that employ statistical methods that control for issues such as selection bias, endogeneity, and trends in utilization not associated with the changes in law or policy. Due: 7/14/09. Link: <http://grants.nih.gov/grants/guide/rfa-files-RFA-DA-10-004.html>

NIH/DHHS: *Psychopathology in intellectual disabilities.* The NIH's Institute of Mental Health invites grant applications for research designed to elucidate the epidemiology, etiology, treatment and prevention of mental disorders, including emotional and behavioral problems in persons of any age with intellectual disabilities (mental retardation). Research topics may include but are not limited to: research on prevalence estimates of mental and emotional disturbance in the mentally retarded that controls for common problems such as sampling bias due to self-selection and difficulty in making reliable and valid psychiatric diagnoses; research on genetic and environmental factors that influence cognitive and behavioral traits and treatment outcomes. Due: 6/5/09, 10/5/09. Link: <http://grants.nih.gov/grants/guide/pa-files/PA-09-150.html>

National Institute of Mental Health/NIH/DHHS: *Pilot Intervention and Services Research Grants (R34).* The sponsor provides support to encourage research on: the development and/or pilot testing of new or adapted interventions; the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials; or innovative services research directions that require preliminary testing or development. NIMH intervention and services research is aimed at preventing or ameliorating mental disorders, emotional or behavioral problems, the co-occurrence of mental, physical and substance abuse problems, HIV infections, and the functional consequences of these problems across the life span. Due: 2/16, 6/16, 10/16, annually (applications). AIDS-related applications: 1/7, 5/7, 9/7, annually. Link: <http://grants1.nih.gov/grants/guide/pa-files/PAR-09-173.html>

National Institute of Mental Health/NIH/DHHS: *Rapid Assessment Post-Impact of Disaster.* The sponsor provides support for a rapid funding mechanism for research on the post-impact of disasters, in order to permit access to a disaster area in the immediate aftermath of the event. Due: Applications should be submitted within approximately six weeks of the identified disaster event.

Link for (R03): <http://grants1.nih.gov/grants/guide/pa-files/PAR-09-171.html>

Link for (R21): <http://grants1.nih.gov/grants/guide/pa-files/PAR-09-172.html>

National Institute of Mental Health/NIH/DHHS: *Women's Mental Health in Pregnancy and the Postpartum Period.* The sponsor provides support for research on women's mental health in relation to pregnancy and the postpartum period. Due: Various deadlines throughout the year.

Link for (R21): <http://grants1.nih.gov/grants/guide/pa-files/PA-09-175.html>

Link for (R01): <http://grants1.nih.gov/grants/guide/pa-files/PA-09-174.html>



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Education, Social Science, & Service (continued)

National Institute of Nursing Research (NINR)/NIH/DHHS: *NINR Nurse Scientist Training: Innovative Areas for Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant Applications (T32)*. The purpose of this Notice is to inform applicants of several innovative areas for PA-08-226. NIH awards Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to institutions as one of its primary means of supporting predoctoral and postdoctoral research training, to ensure that a diverse and highly trained workforce is available to fulfill the Nation's biomedical, behavioral and clinical research needs. Innovative scientific programs that are interdisciplinary are especially encouraged. Applications from institutions which implement strategies for identifying and recruiting students who have already completed a Bachelor's Degree in a field other than nursing; students who are from an underrepresented group; or students who are currently BSN-PhD students are particularly encouraged. In addition, applications which include provisions for the early identification and recruitment of undergraduate students who have the potential to become successful BSN-PhD Fast Track students are also particularly encouraged. Due: Various throughout the year. Link: <http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html>

Bureau of Justice Statistics/DOJ: *Court Statistics Project (CSP)*. The program's purpose is to seek a data collection agent to administer the CSP. The CSP provides a systematic means to develop a valid, uniform, and complete statistical database that details the operation of state court systems nationwide. Due: 5/11/09. Link: <http://www.ojp.usdoj.gov/bjs/pub/pdf/csp09sol.pdf>

OJJDP/DOJ: *Mentoring Research Program*. Proposals are being sought to evaluate the effectiveness of paid versus volunteer mentors within an existing mentoring program. The evaluator will conduct both a process and an outcome evaluation measuring the success of both paid and volunteer mentor programs in preventing delinquency. Due: 6/2/09. Link: <http://ojjdp.ncjrs.gov/grants/solicitations/FY2009/MentoringResearch.pdf>

Department of State: *E-Teacher Scholarship Program and Professional Development Workshop*. The sponsor announces an open competition for the E-Teacher Scholarship Program and Professional Development Workshop. Accredited U.S. post-secondary educational institutions or consortia of such institutions meeting the provisions described in Internal Revenue Code section 26 USC 501(c)(3) may submit proposals to implement the following two components: (1) Seven different ten- to twelve-week Online, university level English as a Foreign Language (EFL) professional development courses for a total of approximately five hundred EFL teachers from throughout the world, and (2) a three-week professional development workshop for approximately twenty-six EFL professionals from diverse geographic regions of the world. Post-secondary educational institutions are encouraged to apply in a consortium with other post-secondary institutions, although they may apply independently. Due: 6/8/09. Link: <http://edocket.access.gpo.gov/2009/E9-9353.htm>.

Department of State: *Global connections and exchange*. The Bureau of Educational and Cultural Affairs' Youth Programs Division, Office of Citizen Exchanges, has announced a competition for the Global Connections and Exchange program for grantees to select overseas schools and develop collaborative school partnerships with U.S. schools that will enhance learning, research, and cross-border communication among participating schools. Applicants may submit proposals to administer one of the following GCE programs: GCE Kyrgyzstan; and/or GCE in countries in the Middle East/North Africa. Due: 6/1/09. Link: <http://exchanges.state.gov/media/pdfs/rfgps/rfgp06012009.pdf>

Grant (William T.) Foundation: *Scholars Program*. The Scholars Program is designed to foster career development among promising early-career researchers. Scholar awards support the pursuit of five-year research plans that will significantly expand researchers' expertise in different disciplines, methods, and/or content areas. The sponsor also organizes annual capacity-building activities to further strengthen Scholars' Professional development. Due: 7/8/09. Link: http://www.wtgrantfoundation.org/usr_doc/2009-2010_Scholars_Program_Application_Guide.pdf



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Education, Social Science, & Service (continued)

Institute of Museum & Library Services: Cooperative Agreement to Develop and Host the 2010 and 2011 WebWise Conferences In Cooperation with the Institute of Museum and Library Services. The sponsor invites proposals for a cooperative agreement to develop and host the 2010 and 2011 WebWise Conference on Libraries and Museums in the Digital World. Link: <http://www07.grants.gov/search/search.do;jsessionid=hkcbJt6CDS2w2JsyFcGn8CJ0D4fvngSQx7GzhKTTZYnzQWQ51J66!654441123?oppld=46909&flag2006=false&mode=VIEW>

Intelligence Advanced Research Projects: Reynard Program. The Intelligence Advanced Research Projects Activity is seeking innovative solutions through this BAA for the Reynard Program. 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). Starting from the premise that Real World (RW) characteristics are reflected in VW behavior, the IARPA Reynard program seeks to identify behavioral indicators in VWs and MMOGs that are related to the RW characteristics of the users. 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. Due: 6/16/09. Link: <https://www.fbo.gov/?s=opportunity&mode=form&id=7edabfb34f106aa0fa5623b59bb8887a&tab=core&cvview=0>

Johnson (Robert Wood) Foundation: Public Health Practice-Based Research Networks. Public Health Practice-Based Research Networks is a national program that supports the development of research networks for studying the reach, effectiveness, efficiency and equity of public health practice. A practice-based research network (PBRN) brings multiple public health agencies together to design and implement studies in real-world practice settings. Findings will advance RWJF's efforts to enhance the evidence base for public health policy and practice. Due: 5/12/09 (Brief proposals); 7/28/09 (Invited full proposals). Link: http://www.rwjf.org/files/applications/cfp/cfp_PBRN2009.pdf

Johnson (Robert Wood) Foundation: Project HealthDesign: Rethinking the Power and Potential of Personal Health Records. Project HealthDesign will seek to test whether and how information about patterns of everyday living can be collected and interpreted such that patients can take action and clinicians can integrate new insights into clinical care processes. Due: 6/3/09 (Brief proposals); 9/1/09 (Invited, full proposals). Link: http://www.rwjf.org/files/applications/cfp/cfp_PHD2009.pdf

NRA Foundation, Inc.: Grant Program. The sponsor supports qualified, eligible projects in individual states for a variety of firearms-related public interest projects. Due: Annually on 12/1. Link: <http://www.nrafoundation.org/grants/statefund.asp>

World Community Grid: Request for Proposals. World Community Grid is seeking proposals from research organizations interested in harnessing the immense power of Internet-connected computers to accelerate humanitarian research. The sponsor's goal is to support innovative efforts that will benefit most from this technology and promise to deliver significant results on the most pressing issues facing the global community. To meet this goal, the sponsor plans to implement as many as five research projects per year. Due: 6/30/09, 9/30/09, 12/31/09, 3/31/10. Link: http://www.worldcommunitygrid.org/projects_showcase/viewSubmitAProposal.do

Science, Technology, Engineering, & Mathematics (STEM)

American Heart Association: Louis N. and Arnold M. Katz Basic Science Research Prize. The sponsor provides a prize to encourage new investigators to continue research careers in basic cardiovascular science. Due: 6/5/09.

American Heart Association: Melvin L. Marcus Young Investigator Awards in Basic Cardiovascular Science. The sponsor provides support to encourage young investigators to continue research careers in cardiovascular or circulatory physiology. This award has historically recognized physiological research and research in large-mammal studies, and encompasses functional studies in genetically engineered mice or mammals that are the recipients of cell or gene therapy. Due: 6/5/09. Link: <http://www.americanheart.org/presenter.jhtml?identifier=3011902>



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STEM (continued)

DARPA: Efficient Linearized All-Silicon Transmitters ICs (ELASTx). DARPA is soliciting innovative research and development proposals in the area of ELASTx. The goal of this program is to enable monolithic, ultra high power efficiency, ultra high linearity, millimeter-wave, silicon-based transmitter integrated circuits for next-generation military microsystems in areas such as radar and communications. DARPA envisions that this goal will be achieved by investigating and developing complex, silicon-enabled RF, analog and mixed-signal circuit design techniques. Due: 9/15/09. Link: <http://www07.grants.gov/search/search.do;jsessionid=TVhnJn7BjgnFGz2PT5TMJHSWJJQF8v0JWsjv1Qqnr2LvTmPmJPwS!-1048983207?oppld=46898&flag2006=false&mode=VIEW>

DARPA. Maximally Scalable Optical Sensor Array Imaging with Computation (MOSAIC). Program aims to overcome the limits of conventional imaging system design strategies and to demonstrate the feasibility of innovative design approaches providing for near-linear growth of optical information throughput with increasing imaging system scale. This will enable extraordinarily high imaging performance in reasonably small and affordable form factors. The specific MOSAIC challenge problem is to design and demonstrate an imaging system that achieves very high angular resolution over a wide field of view without paying the heavy penalties in size, weight, and temporal complexity or SNR degradation incurred by today's approaches. DARPA is particularly interested in integrated system approaches that exploit the co-design of optics, sensors, and processing to manage the transduction and management of enormous quantities of data from photons to information within compact, power efficient, and affordable form factor. Due: 6/8/09. Link: <http://www07.grants.gov/search/search.do;jsessionid=w6QvJw5dzts4Q2YSKyndm0LpcYy3Y9nCN9DbJWRLZnTWQS2hJbBh!654441123?oppld=46958&flag2006=false&mode=VIEW>

DARPA: Low-Cost Lightweight Portable Photovoltaics (PoP). DARPA is soliciting innovative research proposals to develop revolutionary technologies that greatly reduce the mass and cost of portable photovoltaic devices while at the same time supporting high power conversion efficiency. Specifically, DARPA seeks new integrated photovoltaic technologies that have at least 20% power conversion efficiency (under AM1.5 illumination at one sun) in a form factor amenable to low cost production on flexible substrates. The proposals must support truly durable, portable devices with high flexibility and low total device density. To meet this challenge, technologies that incorporate thin-film semiconductors, microcrystalline semiconductors, or materials with similar properties will be considered. Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, and/or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. Due: 6/8/09 (Proposal abstracts); 8/24/09 (Full proposals). Link: <http://www07.grants.gov/search/search.do;jsessionid=hrMYJwDYLP8jyQrVtzg6vYG4trTpQJ9YWD1vDh9h0nVHKGWgHJgh!654441123?oppld=46962&flag2006=false&mode=VIEW>

DARPA: Reorganization and Plasticity to Accelerate Injury Recovery (REPAIR). DARPA seeks new methods for analysis and decoding of neural signals in order to understand how neural-based sensory stimulation could be applied to accelerate recovery from brain injury. Ultimately, it is desired to develop models of neural codes and temporal patterns that can provide an ability to interpret and predict changes in neural organization through plasticity at multiple scales of measurement. Due: 5/15/09. Link: <http://www07.grants.gov/search/search.do;jsessionid=2s2RJyNKR8H56NHL7fD5GcZ1rMkCx8IRPKQV9VHG2GnSLrQnHh0p!654441123?oppld=46999&flag2006=false&mode=VIEW>

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. 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. Due: 5/28/09. Link: <https://www.fbo.gov/?s=opportunity&mode=form&id=b4b3967ffefe4b00942e056b2d933449&tab=core&cvview=0>



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STEM (continued)

DARPA: Active Cooling Modules (ACM). DARPA is soliciting innovative research proposals in the area of active cooling modules. DoD systems are driving conflicting needs for high performance as well as reduced size and weight. DARPA makes many investments in new technologies that can improve performance or reduce size and weight. Unfortunately, in many cases, the power consumption of these systems increases with each improvement. As a result, the performance of heat rejection technology remains a key limitation in many applications. The primary goal of this program is the development and demonstration of ideas based on novel materials and structures that can provide tens of degrees of cooling for 100W devices in cm-scale cooling modules with coefficient of performance (COP) of 3 or better. Due: 8/13/09. Link: <http://www07.grants.gov/search/search.do;jsessionid=2s2RJyNKR8H56NHL7fD5GcZ1rMkCx8IRPKQV9VHG2GnSLrQnHh0p!654441123?oppld=46985&flag2006=false&mode=VIEW>

USDA: Risk management education sessions. The Agriculture Department's Federal Crop Insurance Corporation, operating through the Risk Management Agency, has announced the availability of funding for Commodity Partnerships for Small Agricultural Risk Management Education Sessions to deliver training and information in the management of production, marketing and financial risk to U.S. agricultural producers. Activities should provide U.S. farmers and ranchers with training and informational opportunities to understand: risks addressed by existing and emerging risk management tools; the features and appropriate use of existing and emerging risk management tools; and how to make sound risk management decisions. Due: 5/11/09. Link: <http://edocket.access.gpo.gov/2009/E9-7896.htm>

Cooperative State Research, Education, & Extension Service/USDA: Expert Integrated Pest Management (IPM) Decision Support System (EIPMDSS). The purpose of the EIPMDSS program is to support development of expert systems that help guide, demonstrate and multiply impacts of USDA supported IPM programs. The EIPMDSS created and maintained by the successful applicant will help these programs establish and communicate IPM research, education, and extension priorities; allow a diverse group of stakeholders to obtain access to selected program outputs; compile LOGIC model based program reports; and synthesize program impacts. Due: 6/5/09. Link: <http://www07.grants.gov/search/search.do;jsessionid=YPyGJnpbLqRyQnQfLNGYcJpww62v8DJyXS7xczkTndsL5hTF8vgk!-1048983207?oppld=46919&flag2006=false&mode=VIEW>

DOD: Combating weapons of mass destruction. The Defense Department's Defense Threat Reduction Agency is soliciting basic research projects that support its mission to safeguard America and its allies from WMD - chemical, biological, radiological, nuclear, and high yield explosives - by providing capabilities to reduce, eliminate and counter the threat and mitigate the effects. Broad research areas of strategic thrust include: science of WMD sensing and recognition; science for protection; science to defeat WMD; and securing WMDs. Due: 5/13/09 (Period III white papers). Link: www.grants.gov (CFDA #: 12.351).

DOD: HIV/AIDS and foreign militaries. The Defense Department solicits existing partners and potential new partners to expand the DOD HIV/AIDS Prevention Program by assisting countries in establishing HIV/AIDS prevention, care and treatment programs and/or strengthening their capabilities to combat HIV. Current activities include: training of master trainers and peer educators; "Troop Level" HIV/AIDS prevention education and behavior change communication; infrastructure and equipment to support HIV testing, care and/or treatment; increasing testing of all military personnel; developing HIV laboratory diagnostic and monitoring capabilities; increasing clinical capability and other human resources for health care of those infected with HIV; and effective methodology for monitoring and evaluation procedures. Due: 9/30/09. Link: www.grants.gov (CFDA #: 12.350).

Department of the Air Force/DOD: Cross-Domain Innovation and Science. Sponsor is interested in secure, accreditable services to assist in sharing information between two or more independent security domains. Due: 3/1/10 (White Papers). Link: <https://www.fbo.gov/?s=opportunity&mode=form&id=c74dab946454fd14554a2fee95b78bf6&tab=core&cvview=0>



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STEM (continued)

Department of the Air Force/DOD: *Sub-Millimeter Wave Imaging Fuze Technology (SWIFT)*. The main objective of this effort is to demonstrate the feasibility and potential application of active imaging sub-millimeter wave RF fuze sensors for use on air-launched munitions. SWIFT intends to explore the benefits of increased resolution and smaller hardware by operating at sub-millimeter wavelengths. Due: 5/28/09. Link:

https://www.fbo.gov/?s=opportunity&mode=form&id=d12f8cf9cdae5b0be75ba9b61202022b&tab=core&_cview=1

DOE: *Advanced water power*. The Energy Department's Wind and Hydropower Technologies Program contributes directly to the DOE mission to improve national, energy and economic security and increase the diversity of energy resources by leading the nation's research and development efforts to improve wind and water energy generation technology and address barriers to renewable energy. Research topic areas include: marine and hydrokinetic energy conversion device or component design and development; marine and hydrokinetic sitespecific environmental studies/information; and advanced water power market acceleration projects/analysis and assessments. Due: 6/4/09. Link: www.grants.gov (CFDA #: 81.087)

Golden Field Office/DOE: *Research and Development of Hydrogen Sensor Technologies*. Applications are being sought for cost shared projects in the area of hydrogen sensor research and development. The sponsor seeks to fund research that will lead to the development of cost-competitive, durable and safe hydrogen and fuel cell systems. Due: 5/14/09. Link: [http://e-center.doe.gov/iips/faopor.nsf/UNID/422B208A9600A5F685257574007E9B62/\\$file/DE-PS36-09GO99004_Sensor_FOA.pdf](http://e-center.doe.gov/iips/faopor.nsf/UNID/422B208A9600A5F685257574007E9B62/$file/DE-PS36-09GO99004_Sensor_FOA.pdf)

DHS: *Homeland security international research*. The Homeland Security Department's Science and Technology Directorate is soliciting applications for international research projects aligned with its mission and requirements. Projects should be designed to augment and complement, through international research and collaboration, the depth and breadth of homeland security science and technology research. Research that will be considered includes but is not limited to: evaluation of novel approaches to confronting homeland security challenges; basic research to provide data, understanding, or models that support policy decisions by the Department of Homeland Security; and Science and Technology and operations research evaluations promoting revolutionary concepts that align with DHS's mission and its component agencies' operations. Due: 9/29/09. Link: www.grants.gov (CFDA #: 97.108).

Intelligence Advanced Research Projects: *Reynard Program*. The Intelligence Advanced Research Projects Activity is seeking innovative solutions through this BAA for the Reynard Program. 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). Starting from the premise that Real World (RW) characteristics are reflected in VW behavior, the IARPA Reynard program seeks to identify behavioral indicators in VWs and MMOGs that are related to the RW characteristics of the users. 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. Due: 6/16/09. Link:

https://www.fbo.gov/?s=opportunity&mode=form&id=7edabfb34f106aa0fa5623b59bb8887a&tab=core&_cview=0

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: 5/18/09. Link:

<http://www07.grants.gov/search/search.do?oppld=46929&flag2006=false&mode=VIEW>

NIH/DHHS: *Research on HIV persistence*. The NIH seeks applications for projects to increase understanding of persistent HIV-1 infection in patients under highly active anti-retroviral therapy. Activities should emphasize the development of new ideas and approaches in HIV-1 persistence, including model and assay development that may directly inform future studies on the design of therapeutic strategies to achieve long term remission without treatment or a complete eradication of residual virus and complete cure for HIV infection and AIDS. Due: 6/5/09, 10/5/09.

Link: <http://grants.nih.gov/grants/guide/pa-files/PA-09-152.html>.



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EPA: Waste water treatment systems. The Environmental Protection Agency's National Risk Management Research Laboratory seeks applications to develop reliability and life expectancy data - tables, charts and graphs - for use by operators/managers/owners of decentralized wastewater systems. Data is needed to support the proper operation and maintenance of decentralized wastewater systems, which contribute to failing systems that endanger public health and the aquatic environment. Due: 5/4/09 (Optional letter of intent); 5/18/09 (Proposals). Link: www.epa.gov/nrmrl/tech/funding/announcement/ci0905announce.pdf

Fox (Michael J.) Foundation for Parkinson's Research: Critical Challenges in Parkinson's Disease – Postural Instability and Gait Disturbances. The foundation's funding initiative seeks to increase the understanding of the pathological substrates and biological features that define or predict postural instability and gait disturbance in people with Parkinson's disease with the long-term goal of improving therapeutic approaches for treating these debilitating symptoms. Additionally, the sponsor seeks further understanding of the relationship between posture and gait dysfunction and the possible co-occurrence of additional symptoms, such as cognitive deficits and dementia, in this population of patients. Relevant projects can include retrospective analysis of data from established cohorts or tissue banks to determine correlations between biological, clinical and pathological characteristics. Projects may also consist of hypothesis-driven clinical imaging studies for identification or validation of neural substrates implicated in this constellation of symptoms. Due: 6/5/09 (Pre-proposal); 7/6/09 (Invited full applications). Link: http://www.michaeljfox.org/funding_programs/PIGD%20RFA1.pdf

Fox (Michael J.) Foundation for Parkinson's Research: Critical Challenges in Parkinson's Disease – Understanding LRRK2 Biology. The sponsor is seeking investigative teams to tackle critical challenges related to our understanding of Parkinson's disease-associated LRRK2 biology and pathology. Ideal teams should have made demonstrated contributions to initial understanding of LRRK2 and have access to appropriate research tools and resources for further study. Investigators should also be willing to participate and share data as needed within a larger collaborative consortium of investigators, including other investigators supported by the MJFF through this or other programs. Teams that include additional expertise in areas potentially relevant to LRRK2 (e.g., protein kinase function, cell signaling, etc.) are especially appropriate for this program. Due: 6/1/09 (Team Profile); 8/27/09 (Invited full applications). Link: http://www.michaeljfox.org/funding_programs/LRRK2%20Biology%20RFA.pdf

Grant (William T.) Foundation: Scholars Program. The Scholars Program is designed to foster career development among promising early-career researchers. Scholar awards support the pursuit of five-year research plans that will significantly expand researchers' expertise in different disciplines, methods, and/or content areas. The sponsor also organizes annual capacity-building activities to further strengthen Scholars' Professional development. Due: 7/8/09. Link: http://www.wtgrantfoundation.org/usr_doc/2009-2010_Scholars_Program_Application_Guide.pdf

NASA: Dual Use Technology Development at NASA John C. Stennis Space Center. The purpose of this opportunity is to identify technology partnerships that will meet the goal of developing a technology to meet a specific sponsor need at SSC. This goal will be accomplished by selecting partners who will cooperatively share in the development cost of the technology that meets the specified sponsor need. The sponsor plans to fund projects at approximately \$20,000 to \$250,000 per project with a period of performance of approximately twelve months. Due: 9/30/09. Link: <http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=183027/Final%20FY09%20CAN.pdf>

NSF: STEM Fellows in K-12 education. The NSF seeks graduate students in science, technology, engineering and mathematics disciplines to bring their research practice and findings into K-12 learning settings. Activities may include: working directly with K12 teachers to integrate current scientific research practice and findings in the teaching and learning of STEM disciplines; acting as role models to K-12 students; and enhancing K-12 teachers' STEM content knowledge and pedagogy. Due: 6/29/09. Link: www.nsf.gov/pubs/2009/nsf09549/nsf09549.htm



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NSF: *Course, Curriculum, and Laboratory Improvement (CCLI)*. The CCLI program seeks to improve the quality of science, technology, engineering, and mathematics (STEM) education for all undergraduate students. It especially welcomes proposals that have the potential to transform undergraduate education in 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. Due: 5/21/09. Link: <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&opId=45033>

Office of Naval Research: *Electronic Warfare Discovery and Invention (amendment)*. Electronic Warfare (EW) seeks white papers for efforts that shall develop and demonstrate technologies for the next generation components and systems in Electronic Warfare. Although white papers addressing any truly innovative EW S&T will be considered, the primary emphasis of this BAA is on technologies to Detect and Defeat Imaging Infrared and Multi-Mode Threats. Proposed efforts should focus on development of technology and techniques to detect and/or counter advanced threat tracking systems, missiles, and other Precision Guided Munitions (PGM). Due: 5/12/09. Link: <http://www07.grants.gov/search/search.do;jsessionid=IL91JnpVdvndrSzCFBSwvK2bXxhID2Jbl7TJN0hJNzjZn8Vgphbp!1216815379?opId=44668&flag2006=false&mode=VIEW>