

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: Army/DOD: Smaller, Lighter Co-Generation and Absorption Environmental Control Technologies.

The US Army CECOM Contracting Center - Washington announces the issuance of a BAA sponsored by the U. S. Army CERDEC Army Power Division. 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. The U.S. Army is interested in receiving white papers followed by proposals for 12 to 18 month programs in basic and applied research, development, and demonstration of small, lightweight, efficient environmental control technology for use in various applications in capacities ranging from 6 kBTU/h to 120 kBTU/h. 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&_cview=0&cck=1&au=&ck=

RECOVERY ACT: Air Force Office of Scientific Research/DOD: Pre-solicitation Notice. This ARRA Research Program will investigate the underpinning science necessary to develop nanoscale additives for novel fuels. The ability to dissolve or suspend additives or catalysts in fuels has created the opportunity to develop new sets of desirable properties for fuels for aircraft, rockets, and satellites. An understanding of how these new catalytic processes occur and how multifunctional catalysts can be developed will be investigated. Areas of interest include understanding fundamentals of catalytic processes involved including interactions between catalyst and substrate, charge donation and charge transfer; understanding fundamental properties of nanostructures and their roles as catalysts; the role and effect of water and impurities on fuel additives; addition of additives to ionic liquids; the aging and long time behavior of catalysts; the performance of fuels developed with these new additives. A multidisciplinary effort is required to address this developing opportunity including fundamental research in chemistry, physics, surface and materials science, and computational simulation and modeling. Full Announcement AFOSR-BAA-2009-3 will be posted within 10 days of this pre-solicitation notice. Link: <http://www07.grants.gov/search/search.do?jsessionid=N6LwJs5b1qhV8t32xjKjQXx99Ftf5wxkQMLnnWZQFMfZyxZ7N0TQ!-1048983207?mode=VIEWREVISIONS&revNum=0>

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ARRA (continued)

RECOVERY ACT: Economic Development Administration: *EDA Recovery Act Funding*. EDA provides financial assistance to distressed communities in both urban and rural regions. Such distress may exist in a variety of forms, including high levels of unemployment, low income levels, large concentrations of low-income families, significant declines in per capita income, large numbers (or high rates) of business failures, sudden major layoffs or plant closures, trade impacts, military base closures, natural or other major disasters, depletion of natural resources, reduced tax bases, or substantial loss of population because of the lack of employment opportunities. EDA will help restore, replace and expand economic activity in regions that have experienced sudden and severe economic dislocation and job loss due to corporate restructuring, and prioritize projects that will diversify the economic base and lead to a stronger, more globally competitive and resilient regional economy. Due: 6/30/10.

Link: <http://www.eda.gov/PDF/FY09ARRAFFOFINAL031309.pdf>

RECOVERY ACT: NIH: *Recovery Act 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. Implementation and evaluation at all participating institutions of a national prototype in research and/or for resource discovery are the key deliverables at the end of the two-year project period. A diversity of institutions must be included to ensure broad applicability and national impact. Due: 6/15/09. Link: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RR-09-009.html>

RECOVERY ACT: NIH. *Recovery Act Limited Competition: Academic Research Enhancement Award (R15)*.

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>

RECOVERY ACT: NIH: *Supporting New Faculty Recruitment to Enhance Research Resources through Biomedical Research Core Centers*. NIH invites applications from U.S academic institutions/organizations to support the hiring of newly-recruited faculty to develop research projects within the context of Biomedical Core Centers. A Biomedical Core Center is defined as a community of multidisciplinary researchers focusing on areas of biomedical research relevant to NIH, such as centers, departments, programs, and/or trans-departmental collaborations or consortia. These awards are designed to enhance innovative programs of excellence by providing scientific and programmatic support for promising research faculty and their areas of research. Due: 4/29/09 (Letters of Intent); 5/29/09 (Application). Link: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-09-005.html>

RECOVERY ACT: DHHS/NIH: *Extramural Research Facilities Improvement Program*. This FOA solicits applications from institutions that propose to expand, remodel, renovate, or alter biomedical or behavioral research facilities. The major objective of this FOA is to facilitate and enhance the conduct of Public Health Service-supported biomedical and behavioral research by supporting the costs of improving nonfederal basic research, clinical research, and animal facilities to meet the biomedical or behavioral research, research training, or research support needs of an institution. Due: 5/6/09; 6/17/09; 7/17/09 (varies depending on size of proposal). Link: www.grants.gov (CFDA #: CFDA 93.702).

RECOVERY ACT: DHHS/NIH: *Core Facility Renovation, Repair, and Improvement*. This FOA solicits applications from institutions that propose to renovate, repair, or improve core facilities. For the purpose of this FOA, a core facility is defined as a centralized shared resource that provides access to instruments or technologies or services, as well as expert consultation to investigators supported by the core. The major objective of this FOA is to upgrade core facilities to support the conduct of Public Health Service-supported biomedical or behavioral research. Support can be requested to alter and renovate the core facility as well as to improve the general equipment in the core facility or to purchase general equipment for specialized groups of researchers. Due: 9/17/09. Link: www.grants.gov (CFDA #: CFDA 93.701).



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ARRA (continued)

RECOVERY ACT: DHHS/NIH: *High-End Instrumentation Grant Program*. The NCRR High-End Instrumentation (HEI) Grant Program encourages applications from groups of NIH-supported investigators to purchase a single major item of equipment to be used for biomedical research that costs at least \$600,000. The maximum award is \$8 million. Additionally, it is expected that the funds will be expended expeditiously, within 18 to 24 months from the date of award. Instruments in this category include, but are not limited to, structural and functional imaging systems, macromolecular NMR spectrometers, high-resolution mass spectrometers, cryoelectron microscopes, and supercomputers. Due: 5/6/09. Link: www.grants.gov (CFDA 93.701, 93.389).

RECOVERY ACT: National Cancer Institute/NIH/DHHS: *Recovery Act Limited Competition: Research and Research Infrastructure Grand Opportunities (RC2)*. The sponsor solicits to develop and implement critical research innovations to advance the research enterprise, stimulate future growth and investments, and advance public health and healthcare 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: 4/27/09 (Optional letters of intent); 5/27/09 (full proposals). Link: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-OD-09-004.html>

Arts and Humanities

American Music Center: *Aaron Copland Fund for Music Performing Ensembles Program*. The sponsor provides support for organizations whose performances encourage and improve public knowledge and appreciation of serious contemporary American music. Eligible applicants are non-profit tax-exempt organizations. Due: 6/30/09. Link: <http://www.coplandfund.org/ensembles.html>

Fromm Music Foundation: *Commission Program*. The foundation aims to strengthen composition, the vital source of musical culture and to bring contemporary concert music closer to the public. The sponsor seeks to influence the contemporary musical scene by commissioning young and less known composers as well as established composers. The amount of the commission is \$10,000. Due: 6/1/09. Link: http://www.music.fas.harvard.edu/frommguidelines_2009.pdf

Ford Foundation: *Knowledge, Creativity and Freedom*. Awards support domestic and international projects in the following areas: education, sexuality and religion; and media, arts and culture. Due: N/A. Link: <http://www.fordfound.org/programs/kcf>

Foundation of the American Institute for Conservation of Historic and Artistic Works: *Tru Vue Optium Conservation Grant*. The sponsor provides grants of up to \$4,000 to support projects in glazing applications for preservation of museum and library collections. Due: 5/1/09; 11/1/09. Link: <http://aic.stanford.edu/faic/grants/documents/truvueap.pdf>

National Foundation on the Arts & Humanities/NEH: *Preservation and Access: Humanities Collections and Resources*. Support is provided for projects that preserve and create intellectual access to such collections as books, journals, newspapers, manuscript and archival materials, maps, still and moving images, sound recordings, art, and objects of material culture. Due: 7/15/09. Link: <http://www07.grants.gov/search/search.do;jsessionid=yhKhJbIYYH1T3pm3cqBJSY8ySBSML1qpBFpPTsvfLd0G29JXL1Bs!1092905380?oppld=46645&flag2006=false&mode=VIEW>



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Arts and Humanities

Manuscript Society: *Maass Research Grant*. The sponsor provides a grant of \$5,000 to support scholars whose research relies heavily on manuscripts. Due: 6/1/09. Link: <http://www.manuscriptsociety.org/maassgrant.html>

Department of State: *Visual Arts Initiative Program*. The Visual Arts Initiative (VAI) program will provide funding on a competitive basis for posts to showcase American talent overseas. Over a period of two years, grantee will be responsible for one-way exchanges in the visual arts, providing support to ECA to include cyclical solicitation and review of proposals received from U.S. Missions abroad using ECA-established criteria; packaging and submitting proposals to ECA for final decision; extending financial support to selected U.S. partners, and; to reporting on program results. Due: 5/19/09. Link: <http://edocket.access.gpo.gov/2009/E9-8677.htm>

Education, Social Science, & Service

American Speech-Language-Hearing Foundation: *New Century Scholars Program Research Grant*. The sponsor invites investigators to submit proposals in competition for five \$10,000 research grants. This grant initiative is designed to advance the knowledge base in communication sciences and disorders. Due: 5/8/09. Link: <http://www.ashfoundation.org/NR/rdonlyres/9A0A697D-0A1F-47F2-9167-89B97F792A55/0/08NCSRGGuidelines.pdf>

American Speech-Language-Hearing Foundation: *Research Grant Competition for New Investigators*. This program is designed to help further research activities of new investigators and should have particular clinical relevance to audiology and/or speech-language pathology. Proposals, while not limited in topic, are encouraged in the area of treatment efficacy and outcome studies. Eligible applicants are individuals who have received their master's or doctoral level degree within the past five years. Up to seven grants of \$5,000 will be made. Due: 5/8/09. Link: <http://www.ashfoundation.org/Foundation/grants/09NIGrant.htm>

Environmental Research and Education Foundation: *Unsolicited Proposals Grants Program*. The sponsor provides support for research projects or educational initiatives that fit within the EREF's mission statement but may not fit within the foundation's Strategic Research Plan or annual research agenda. Due: 5/10/09; 10/1/09. Link: <http://www.erefdn.org/guide.html>

Farmers Insurance Group: *Grants Program*. The sponsor provides funding to non-profit, tax-exempt organizations in the areas of: Education/Youth, Health and Human Services, Safety, Arts and Culture, and Civic Institutions. Due: N/A. Link: <http://www.farmers.com/FarmComm/pdf/FarmersCorpContributionsForm.pdf>

Federal Transit Administration: *Cooperative Agreement to Evaluate and Compare Federal Formula Grant Programs (Formula Grants Program Benchmarking Project)*. This solicitation is for proposals for a cooperative agreement to research the processes and performance measures used by Federal agencies to award and manage grants and the methods these agencies employ to evaluate the effectiveness of the programs that they fund. Due: 5/28/09. Link: <http://www.fta.dot.gov/documents/FTA-09007-TPM.pdf>

Ford Foundation: *Asset Building and Community Development*. Awards support people and organizations working to find solutions to problems of poverty and injustice. Activities supported by grants must be charitable, educational, or scientific, as defined under the appropriate provisions of the US IRS Code and Treasury Regulations. Due: N/A. Link: <http://www.fordfound.org/programs/assets>

Ford Foundation: *Peace and Social Justice*. Awards support domestic and international projects in the following areas: human rights; and governance and civil society. Most awards are made to organizations. Due: N/A. Link: <http://www.fordfound.org/programs/psj>

Ford Foundation: *Knowledge, Creativity and Freedom*. Awards support domestic and international projects in the following areas: education, sexuality and religion; and media, arts and culture. Due: N/A. Link: <http://www.fordfound.org/programs/kcf>



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Education, Social Science, & Service

Gerber Foundation: *Grants Program*. The sponsor provides funding for national programs which have a significant impact on issues facing infants and young children. Accordingly, priority is given to projects that improve infant and young children nutrition, care and development from the first year before birth to three years of age. Programs should support a specific nutrition intervention and have defined outcome parameters. The sponsor gives priority to projects of national or regional impact. Due: 6/1/09; 12/1/09. Link: <http://www.gerberfoundation.org>

General Motors Company: *Grants Program*. The sponsor's targeted areas of focus are education, health and human services, civic and community relations, public policy, arts and culture, and environment and energy with a strong commitment to diversity in all areas. Due: N/A.
Link: <http://www.gm.com/corporate/responsibility/community/guidelines/index.jsp>

International Life Sciences Institute: *Future Leader Awards*. The sponsor makes awards to promising nutrition and food scientists to allow new investigators the opportunity to add to an existing project or to conduct exploratory research that might not receive funding from other sources. Due: 6/19/09. Link: <http://www.ilsina.org/>

MacArthur (John D. & Catherine T.) Foundation: *Human and Community Development*. This program focuses on the relationships among people, place, and systems. The program explores two primary themes: the important role of place, home, community, city, region, and state in people's lives; and the shared interests between individuals, particularly those in trouble or in need, and society at large. Specific fields of work include community and economic development, stable and affordable housing, juvenile justice reform, and education, understanding how young people are different because of their use of digital media, a difference likely to be reflected in how they think, learn, judge, confront ethical dilemmas, and interact with others. The Program also supports a series of special policy projects, including the role that evidence plays in social policy and the country's fiscal health. Due: Letters of inquiry may be submitted at any time.
Link: http://www.macfound.org/site/c.kLXJ8MQKrH/b.938141/k.FEFC/Domestic_Grantmaking.htm

Mitsubishi Electric America Foundation: *Grants Program*. The sponsor provides support for projects that help young Americans with disabilities maximize their potential and full participation in society. Due: 6/1/09.
Link: <http://www.meaf.org/how-to-apply.php>

National Institute of Child Health and Human Development/NIH/DHHS: *Research on Teen Dating Violence*. The sponsors invite investigator-initiated research grant applications from institutions / organizations that propose to conduct behavioral and/or biomedical research aimed at better understanding the etiologies and precursors for, reducing risk for, and incidence of, teen dating violence. Research is also sought that examines the linkages and gaps among perceptions of appropriate responses to teen dating violence from service providers, the criminal justice system, teens themselves, victims, perpetrators and bystanders. Due: Various dates throughout the year.
Link for R01: <http://grants1.nih.gov/grants/guide/pa-files/PA-09-169.html>
Link for R21: <http://grants1.nih.gov/grants/guide/pa-files/PA-09-170.html>

Project Management Institute: *Research Grants*. The sponsor requests research proposals from scholars in project management and other disciplines (e.g. management, organizational psychology, education, sociology, etc.). Proposed research should have direct application to some aspect of the project management body of knowledge or its practice. Due: 5/25/09. Link: <http://www.pmi.org/PDF/PMI%20RFP%20Announcement%202009.pdf>

Bureau of Justice Statistics/DOJ: *Census of Publicly Funded Forensic Crime Laboratories*. The sponsor is seeking proposals for an agent to develop, design, and field the 2009 Census of Publicly Funded Forensic Crime Laboratories. The goal of this project is to generate accurate and reliable national statistics about the approximately 400 publicly funded forensic crime labs serving federal, state, and local jurisdictions. Due: 5/29/09.
Link: <http://www.ojp.usdoj.gov/bjs/pub/pdf/cpffcl09sol.pdf>



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Education, Social Science, & Service

Bureau of Justice Statistics/DOJ: *Survey of Inmates in Prisons and Local Jails (SIPLJ): Design and Testing Phase Solicitation.* The purpose of this award is to provide funding for a collection agent to design and field test a survey for administration to inmates in a national sample of prison and jail facilities, hereafter known as the SIPLJ, and to prepare a national implementation plan to field the SIPLJ in 2012. Due: 5/29/09.

Link: <http://www.ojp.usdoj.gov/bjs/pub/pdf/siplj09sol.pdf>

Bureau of Justice Statistics/DOJ: *Conversion of Criminal History Records into Research Databases.* Under this program, the sponsor seeks a data processing agent through a cooperative agreement to convert criminal history records into research databases to support recidivism studies. Due: 5/29/09.

Link: <http://www.ojp.usdoj.gov/bjs/pub/pdf/cchrrd09sol.pdf>

Department of State: *Bureau of Educational and Cultural Affairs (ECA): Congressionally Mandated--One-Time Grants Program for Academic Programs.* The sponsor announces a competition for grants that support international exchanges in order to increase mutual understanding and build relationships, through individuals and organizations, between the people of the United States and their counterparts in other countries. The sponsor will accept proposals in the following areas: Undergraduate Intensive English Language Program; Capacity Building for Undergraduate or Graduate Study Abroad; and Study of the United States Institutes for Foreign Undergraduates. Due: 5/14/09.

Link: <http://edocket.access.gpo.gov/2009/E9-8642.htm>

Department of State: *Bureau of Educational and Cultural Affairs (ECA): Congressionally Mandated--One-time Grants Program--Professional, Cultural, and Youth.* The Bureau of Educational and Cultural Affairs announces a competition for grants that support international exchanges in order to increase mutual understanding and build relationships, through individuals and organizations, between the people of the United States and their counterparts in other countries. Due: 5/14/09. Link: <http://edocket.access.gpo.gov/2009/E9-8650.htm>

Science, Technology, Engineering, & Mathematics (STEM)

LA BOARD OF REGENTS/NSF (LA EPSCOR): *NSF EPSCoR RESEARCH INFRASTRUCTURE IMPROVEMENT: COMPUTATIONAL MATERIALS.* LA EPSCoR solicits proposals in the area of Computational Materials with a focus on the development of strong interdisciplinary and multi-institutional collaborations that leverage major State investments in science and technology (S&T), particularly in cyberinfrastructure. The ultimate goal of the proposed effort is the development of a national center of excellence. This project will build Louisiana's research capability through critical investments in advanced instrumentation, facilities, and experimental tools and in cyberinfrastructure. A successful project must include compelling strategies for utilizing the diverse human, physical, and technological resources within Louisiana. Due: 4/30/09 (Notice of Intent); 6/15/09 (Proposal). Link: <http://laregents.org/www2/index.htm>

LA BOARD OF REGENTS/NSF (LA EPSCOR): *LINKS WITH INDUSTRY, RESEARCH CENTERS, AND NATIONAL LABS (LINK).* LINK helps to establish partnerships and alliances between Louisiana researchers and collaborators at national laboratories, research centers or industrial facilities by providing coverage of travel expenses for tenured and tenure-track faculty, post-doctoral researchers, graduate students and undergraduate students while visiting and training at an industrial facility, research center or national laboratory. Due: At least 30 days before the requested travel. Link: <http://laregents.org/www2/index.htm>

LA BOARD OF REGENTS/NSF (LA EPSCOR): *PRELIMINARY PLANNING GRANTS FOR MAJOR INITIATIVES.* Program is designed to provide assistance to teams of researchers who are in the process of developing a proposal (or pre-proposal, if required) to a federal funding agency for a large-scale research and/or education program. Applicants may seek support under this RFP only for the preparation of proposals to federal competitions that meet the following criteria: 1) The resulting award will establish a multidisciplinary research and/or education project; 2) Total federal funding for the project must be at least \$1 million. The Planning Grant is not intended to support research to generate preliminary data. Due: Proposals can be submitted at any time until 6/30/10. Link: <http://laregents.org/www2/index.htm>



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STEM (continued)

DARPA: *Optical Radiation Cooling and Heating in Integrated Devices (ORCHID)*. DARPA is soliciting innovative research proposals in the area of cavity-optomechanics. Proposed research should investigate approaches that enable advances in the exploitation of the radiation pressure of light to damp or amplify selected vibrational modes of a mechanical oscillator coupled to an optical cavity. The program is designed to encourage research that results in revolutionary, as opposed to evolutionary, improvements in the existing state of practice. Due: 7/15/09. Link:

<http://www07.grants.gov/search/search.do?jsessionid=JFRsJm2hKxTs9yITfgvgYgVkJs04LHyz50LfSjM2Xg85nNR3vmjr!-1026671073?oppld=46806&flag2006=false&mode=VIEW>

DARPA: *Electric Field Detector (E-FED)*. The goal of this program is to develop devices that can detect small electric fields over large frequency ranges while being compact and power efficient. Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. Due: 6/5/09. Link:

<http://www07.grants.gov/search/search.do?jsessionid=tLGGJypHmyR59rmGGyndnBsl17t7qLLssZWfJvZssvCXl2SnhFLn!907486171?oppld=46827&flag2006=false&mode=VIEW>

DARPA: *Deep Learning*. DARPA is soliciting innovative research proposals in the area of deeply layered machine learning or, simply, Deep Learning (DL). Over the course of the envisioned program, performer teams will build a universal machine learning engine that uses a single set of methods in multiple layers (at least three internally) to generate progressively more sophisticated representations of patterns, invariants, and correlations from data inputs. The engine is expected to be applicable to multiple input modalities given only changes to the inputs, preprocessing, and is expected to be able to learn important characteristics of the inputs and produce useful representations solely on the basis of unlabeled inputs.

Accomplishing many of the tasks set by the program will require that the engine be able to produce and utilize sophisticated spatio-temporal representations. Due: 6/18/09. Link:

<http://www07.grants.gov/search/search.do?jsessionid=NW58JmDHypMCh21fmTQ9ntsxyLW74sXMTJyHQBsX4G1zR2GMGDny!-1026671073?oppld=46800&flag2006=false&mode=VIEW>

DARPA: *Dynamic Image Gunsight Optic (DInGO) Program*. DARPA is soliciting innovative research proposals to develop an optical scope attachment to be used on standard combat rifles. Proposed research should investigate innovative approaches that enable revolutionary advances required to achieve the DInGO end-state program objective. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. Due: 4/12/10. Link:

https://www.fbo.gov/index?s=opportunity&mode=form&id=4973a4e7e5a337fbcbe2aaeeec2989e2&tab=core&_cvview=0&ck=1&au=&ck=

Department of the Air Force/DOD: *Aerospace Medicine and Human Performance Integration Research*. The technology research in the BAA will be primarily focused in the following research and technology areas: For the USAF School of Aerospace Medicine: (1) Advanced Diagnostics; (2) Therapeutics; (3) Occupational Toxicology; (4) Aeromedical Evacuation; (5) Product Development Requirements; (6) General Acceleration and Hypobaric Test and Evaluation; and (7) Aircrew Health and Performance. For the Human Performance Integration Directorate: AFMS human performance research is needed in order to optimize warfighter effectiveness in all environments; maintain orientation and awareness; and detect, prevent, and mitigate effects of adverse environments and events on operator and maintainer performance. Due: 5-year, open-ended BAA. Link:

https://www.fbo.gov/?s=opportunity&mode=form&id=9fad0e31ccd4de57eb4e10934d589e9a&tab=core&_cvview=0

Department of the Army/DOD: *New and Innovative Ideas for Air, Space and Missile Defense Technology*. Proposals submitted should include new ideas for advanced and innovative concepts as well as prototype hardware and software for current and emerging air, space and missile defense science and technology. Due: 4/9/10. Link:

https://www.fbo.gov/?s=opportunity&mode=form&id=5190f9584700dc096a470495bf134e04&tab=core&_cvview=0



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Department of the Army/DOD: *Mitigation Testing Services Underwater BIP Air Bubble Blast Suppression Curtain.*

The US Army Corps of Engineers-St. Louis District intends to solicit for award mitigation testing services of Underwater BIP, utilizing an Air Bubble Blast Suppression Curtain. The objective of this project is to design, test, and collect data on a bubble curtain based blast suppression curtain (BSC) capable of reducing the environmental impacts from Blow in Place (BIP) operations used to detonate unexploded ordnance (UXO) in the marine environment. Due: 5/4/09.

Link: https://www.fbo.gov/?s=opportunity&mode=form&id=a41604e5318ebbfef1cfeae4e6493bd4&tab=core&_cview=0

Department of the Navy/DOD: *A Software Based Model That Can Be Used to Analyze the Integration of Photovoltaic Systems, Wind Energy Systems, Conventional Diesel Generation, and Energy Storage.* NAVFAC ESC

is interested in a software based model that can be used to analyze the integration of photovoltaic systems, wind energy systems, conventional diesel generation, and energy storage. Due: 5/15/09.

Link: https://www.fbo.gov/?s=opportunity&mode=form&id=78ae41e101032453c66d9007ecc63cd1&tab=core&_cview=0

Department of the Navy/DOD: *Develop and Demonstrate Technologies to Detect/Locate, Access, Diagnose/Identify, Render Safe/Neutralize, and Dispose of Improvised Explosive Devices (IEDS) and Unexploded Ordnance (UXO).* Sponsor has a need to develop and demonstrate technologies to detect/locate, access,

diagnose/identify, render safe/neutralize, and dispose of IEDs and UXO. White papers/full proposals for exploratory development are sought in the following areas: 1) IED Detection and Location; 2) IED Diagnose and Identification; 3) IED Render Safe / Neutralize; 4) IED Access/Exploit, Computed Tomography (CT) Scanner; 5) Detection / Location of Buried Munitions, Standoff Detection of Buried Munitions; 6) Diagnostics/Identification of Buried Munitions, Identification of Buried UXO; 7) Render Safe / Neutralization of Surface or Buried Munitions; 8) Render Safe / Neutralization of Surface or Buried Munitions. Due: 5/18/09. Link:

https://www.fbo.gov/?s=opportunity&mode=form&id=61557138b161579648bd17de1adec131&tab=core&_cview=1

Golden Field Office/DOE: *Enhanced Geothermal Systems Component Research and Development/Analysis.* Under

this program, the sponsor 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 (MYRDD) plan and in the results from a geothermal workshop held in Iceland in summer 2008. Due: 6/15/09. Link: [https://e-center.doe.gov/iips/faopor.nsf/UNID/026B964D73B0B8B88525756F005DEC2A/\\$file/Announcement_DE-PS36-09GO99018.pdf](https://e-center.doe.gov/iips/faopor.nsf/UNID/026B964D73B0B8B88525756F005DEC2A/$file/Announcement_DE-PS36-09GO99018.pdf)

National Institute for Occupational Safety & Health (NIOSH)/CDC/DHHS: *NIOSH Small Research Grant Program (R03).* Support is provided for research related to occupational safety and health. The NIOSH research program goal is to

support research that is relevant, of high quality, and demonstrates impact in reducing occupational disease and injury. Emphasis is placed on research projects that address needs in the National Occupational Research Agenda. Due: Various deadlines thought the year. Link: <http://grants1.nih.gov/grants/guide/pa-files/PAR-09-138.html>.

National Cancer Institute/NIH/DHHS: *Basic Cancer Research in Cancer Health Disparities (U01).* The sponsor invites

cooperative agreement research grant applications from investigators interested in conducting basic research studies into the causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research who can develop resources and tools, such as biospecimens, cell lines and methods that are necessary to conduct basic research in cancer health disparities. Due: On or after 5/23/09; this program will expire on 11/24/11.

Link: <http://grants1.nih.gov/grants/guide/pa-files/PAR-09-161.html>



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STEM (continued)

National Cancer Institute/NIH/DHHS: *Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities (R21)*. The sponsor invites grant applications from investigators interested in conducting basic research studies into the causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. Due: On or after 5/23/09; this program will expire on 11/24/11. Link: <http://grants1.nih.gov/grants/guide/pa-files/PA-09-160.html>

NIH/DHHS: *Small Research Grant Program (Parent R03)*. The NIH Investigator-Initiated Small Grant funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. Due: 2/16, 6/16, and 10/16, annually. For AIDS-related applications: 1/7, 5/7, and 9/7, annually. Link: <http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html>

NIH/DHHS: *Exploratory/Developmental Research Grant Award (Parent R21)*. The Exploratory/Developmental Grant mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research. Due: 2/16, 6/16, and 10/16, annually. For AIDS-related applications: 1/7, 5/7, and 9/7, annually. Link: <http://grants1.nih.gov/grants/guide/pa-files/PA-09-164.html>

NIH/DHHS: *Academic Research Enhancement Award (R15)*. The sponsors provide support to stimulate research in educational institutions that provide baccalaureate or advanced training for a significant number of the nation's research scientists but that have not been major recipients of NIH support. Due: 2/25, 6/25, and 10/25, annually. For AIDS-related AREA applications: 1/7, 5/7, and 9/7, annually. Link: <http://grants.nih.gov/grants/guide/pa-files/PA-06-042.html>

Department of Homeland Security: *Meshed Wireless Networks*. The primary intent of this RFI is to explore innovative wireless technologies. There is a need for a portable, wireless infrastructure on a heterogeneous network comprising smart cameras, high-definition surveillance cameras, and next-generation sensors. Due: 5/20/09. Link: https://www.fbo.gov/?s=opportunity&mode=form&id=a9d23c87963966de36dbc4614c3613e0&tab=core&_cview=0

Bureau of Reclamation/DOI: *Modeling Effects of CVP Water*. The sponsor intends to issue a Request for Proposals for time-and-materials contract to analyze the effects of future climate changes on agricultural and municipal water demands within one or more Central Valley Project (CVP) water service areas. The studies shall address the effects of projected changes in demographics and increased frequency, duration, and intensity of extremes in meteorological conditions affecting water demands including droughts, concentrations of atmospheric carbon dioxide (CO₂), and other meteorological conditions affecting ET. The project shall also examine how water management, infrastructure and land use practices may be altered to adapt to future changes in the quantity and seasonality of CVP water supplies. Due: 6/15/09. Link: https://www.fbo.gov/?s=opportunity&mode=form&id=1b8ddd7783b3cb4316357ef6557e6c61&tab=core&_cview=0

NASA: *ROSES 2009: Ocean Biology and Biogeochemistry*. The sponsor's program focuses on describing, understanding, and predicting the biological and biogeochemical regimes of the upper ocean as determined by observation of aquatic optical properties using remote sensing data, including those from space, aircraft, and other suborbital platforms. Due: 6/1/09. Link: <http://www07.grants.gov/search/search.do?oppld=46807&flag2006=false&mode=VIEW>



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NASA: *New Frontiers Program*. The New Frontiers Program is a science-driven program aimed at characterizing and understanding the bodies that constitute our solar system (excluding Earth and Sun). Its larger purpose is to illuminate the origin, evolution, and current state of the solar system. Due: 6/12/09 (Optional Notices of Intent); 7/31/09 (Full proposals). Link: http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=182696/New_Frontiers_AO.pdf

National Fish and Wildlife Foundation: *Marine Debris Prevention and Removal Program*. The sponsors provide support for to organizations working on projects to improve our understanding of the impacts of marine debris on our marine and coastal resources, and to reduce and prevent debris in our marine environment. Due: 5/8/09 (Pre-proposals); TBD (invited full applications). Link: http://www.nfwf.org/AM/Template.cfm?Section=Browse_All_Programs&Template=/CM/HTMLDisplay.cfm&ContentID=3917

Directorate for Geosciences/NSF: *Geobiology and Low-Temperature Geochemistry*. The program provides support for studies in geobiology and low-temperature geochemistry. Due: 7/16/09; 1/16/10. Link: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13689&org=NSF&sel_org=NSF&from=fund