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Research Opportunities Compiled by:

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Opportunity #1

**Advanced Architectures and Critical Technologies for Exascale Computing
Department of Energy – Chicago Service Center
DE-FOA-0000255**

Description: The Office of Advanced Scientific Computing Research (ASCR) of the Office of Science (SC), U.S. Department of Energy (DOE), hereby announces its interest in receiving applications from interdisciplinary teams of Computer Science/Computer Engineering researchers in the areas of Advanced Architectures and Critical Technologies for Exascale Computing. Multi institutional applications with cohesive emphasis on transformational discoveries that address key barriers on the path to exascale computing are encouraged. Partnerships among academic institutions, National Laboratories, and industry are strongly encouraged. This program is managed in cooperation with NNSA and DARPA. Scientific challenges such as understanding the causes and potential impacts of climate change, improving the efficiency of combustion, and unraveling the mysteries of dark energy and dark matter, as well as a variety of national security challenges, require computational capabilities at extreme scale. At the same time, industry reports make it clear that the exponential growth in processor clock speeds that sustained increases in computational speed for more than 15 years has ended. Projections suggest that building an exascale computer from today's technology would cost approximately \$1 billion, with power consumption of over a Gigawatt and a mean time between failures of only ten minutes. This Funding Opportunity Announcement invites applications for basic and applied research to address fundamental challenges in the design of energy-efficient, resilient hardware and software architectures and technology for high performance computing systems at exa-scale.

Link to Full Announcement:

https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

Opportunity #2

Scientific Data Management and Analysis at Extreme Scale Department of Energy – Chicago Service Center DE-FOA-0000256

Description: The Office of Advanced Scientific Computing Research (ASCR) of the Office of Science (SC), U.S. Department of Energy (DOE), hereby announces its interest in receiving applications from interdisciplinary teams of Computer Science/Applied Mathematics/Statistics/Computational Science researchers in the areas of Scientific Data Management and Analysis at Extreme Scale. Multi Institutional applications with cohesive emphasis on transformational discoveries that address key challenges in analysis and management of scientific data at extreme scale are encouraged. Partnerships among academic institutions, National Labs, and industry are strongly encouraged. Science has shifted from data scarcity to an overwhelming abundance of data, as simulations and experiments generate many petabytes of data, with some sciences facing exabytes of data near term. For example, a recent report states that climate model data are growing faster than the data set size for any other scientific discipline, with collections of hundreds of exabytes expected by 2020 (Challenges in Climate Change Science and the Role of Computing at the Extreme Scale, <http://extremecomputing.labworks.org/climate/report.stm>, and the Large Hadrons Collider (LHC) is expected to produce roughly 15 petabytes of data annually over its estimated 15 year lifespan. (<http://public.web.cern.ch/Public/en/LHC/Computing-en.html>) The value of scientific data is realized only when data are effectively analyzed and results are presented to the science community, policy makers, and the public in an understandable way. The challenges of analyzing massive scientific data sets are compounded by data complexity that results from heterogeneous methods and devices for data generation and capture and the inherently multi-scale, multi-physics nature of many sciences, resulting in data with hundreds of attributes or dimensions and spanning multiple spatial and temporal scales. The combination of massive scale and complexity is such that high performance computers will be needed to analyze data, as well as to generate it through modeling and simulation. This Funding Opportunity Announcement (FOA) calls for innovative basic research in computer science for management and analysis of extreme-scale scientific data in the context of petascale computers and/or exascale computers with heterogeneous multi-core architectures. The activities supported by this FOA may be a combination of basic research, creation of algorithms for advanced architectures, and development of usable data management and analysis tools for scientific discovery. Partnerships among universities, National Laboratories, and industry are strongly encouraged.

Link to Full Announcement:

https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

Opportunity #3

X-Stack Software Research Department of Energy – Chicago Service Center DE-FOA-0000257

Description: The Office of Advanced Scientific Computing Research (ASCR) of the Office of Science (SC), U.S. Department of Energy (DOE), hereby announces its interest in receiving applications from Computer Science (CS) researchers in the area of X-Stack Software Research. The X-Stack refers to the scientific software stack that supports extreme scale scientific computing, from operating systems to development environments. Multi-Institutional applications with cohesive emphasis on transformational computer science discoveries that address key challenges on the path to exascale computing are encouraged. In addition to other topics, this Announcement continues and extends topics of research addressed under the ASCR program on Operating and Runtime Systems for Extreme Scale Scientific Computation, http://www.sc.doe.gov/grants/LAB07_23.html and <http://www.sc.doe.gov/grants/FAPN07-23.html> Exascale computer systems will be comprised of as many as a billion cores. Such systems will be capable of 10 billion-way concurrency in simultaneous operations. Industry reports indicate that data movement will be the limiting factor for exascale systems, rather than processors and computational operations, especially when power constraints are considered. At the same time, memory per core is expected to decline sharply for exaflop systems, and the performance of storage systems continues to lag far behind. Multi-level storage architectures that span multiple types of hardware are anticipated and will require new approaches to run-time data management and analysis. This Funding Opportunity Announcement invites basic computer science research applications to address a variety of challenges in creating the software stack for extreme scale computing systems, the X-Stack, including operating and run-time systems, programming models and environments, and scientific workflow systems. Awards will not be made for design or development of applications for discipline-specific science.

Link to Full Announcement:

https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx

Opportunity #4

NIJ FY2010 Sensor and Surveillance Technologies for Criminal Justice Applications National Institute of Justice NIJ-2010-2423

Description: The National Institute of Justice (NIJ) is the research, development, and evaluation agency of the U.S. Department of Justice (DOJ) and a component of the Office of Justice Programs (OJP). NIJ provides objective, independent, evidence-based knowledge and tools to enhance the administration of justice and public safety. NIJ solicits applications to inform its search for the knowledge and tools to guide policy and practice. NIJ is seeking applications for funding for research and development of sensor and surveillance technologies to address the following specific needs of State and local criminal justice agencies:

1. Detection of the "broad spectrum" of contraband, including metallic and nonmetallic weapons, at any controlled access point. The preferred solution would be a product that, once commercialized, would be commercially available for under \$25,000. To prevent contraband from entering correctional facilities, the preferred technology will be a portal that can also detect contraband concealed within body cavities.
2. Noninvasive, continuous monitoring of a subject's use of both illegal and prescription substances.
3. Detection of trace blood at crime scenes from a distance of 5 feet or greater.
4. Accurate detection of gunshot residue in the field in real time.
5. Ability to extract full streams of digital multimedia evidence (DME) from incompatible systems, while maintaining the integrity of the metadata.

Link to Full Announcement:

<http://www.ncjrs.gov/pdffiles1/nij/sl000930.pdf>

Opportunity #5

Dear Colleague Letter Call for Chemistry Highlights (2010) \ National Science Foundation NSF 10-020

Dear Colleague: Each year NSF Program Directors are asked to write descriptions of program accomplishments, or "Highlights", on the results of NSF awards. Reporting these outcomes of the NSF Chemistry investment advance the Division's mission by:

- Communicating the value of chemistry research advances and innovations to the public and to Congress
- Illustrating the NSF Chemistry portfolio to the public, industry, and government audiences
- Justifying our future budget requests
- Documenting outcomes of program investment, as required by the Government Performance and Results Act (GPRA).

We ask all current and recent awardees to consider submitting a Highlight by February 15, 2010. We are trying a new template and process this year, so please read below. Your institution's Public Information Office can help you generate text and graphics that are compelling for the audiences we describe above.

- The Highlight should feature an accomplishment or project outcome, not merely describe your award. The accomplishment can be a technical advance, but it could also focus on the technical, economic or societal broader impacts.
- The Highlight should include a compelling graphic image(s). Select images that best represent or capture the essence of the project outcome reported for this Highlight. In general, graphs, spectra, and reaction diagrams are not compelling to the more general audiences targeted by the Highlights, so you might consider alternate images. Animations, audio and video clips are all welcome. We have provided space for an image caption and an image credit. Captions should clearly describe the image(s). Please be careful about copyrights and permissions.
- The text (about 300 words) should be accessible to a general audience (limit jargon, please).
- The template has additional boxes to include relevant bibliographic data and also for you to describe the intellectual impact and broader impact of your work.
- A completed NSF Multimedia Permission & Use of Copyrighted Material Form is requested. This can be electronically signed and returned with the Highlight.

The Highlight should be submitted using the Chemistry Highlight Template Form available at

www.nsf.gov/mps/che/Highlights/HighlightWebpages/template_2010.ppt .

Sample Highlights are available on the Chemistry Highlights webpage at

<http://www.nsf.gov/mps/che/Highlights/HighlightWebpages/highlights.jsp>

The Multimedia Permission & Use of Copyrighted Material Form is available at

http://www.nsf.gov/eng/iip/iucr/directory/nsf_form1515_09-09.doc .

The Highlight and Multimedia Permission Form should be emailed to chemhighlights@nsf.gov . The Permission Form may also be faxed to 703-292-9037. Please title the "subject" line of your e-mail with the format "PI Last Name-Award #-Highlight". Please copy your Program Director and your institution's public information officer.

Some related reminders:

The Principal Investigator is responsible for assuring that an acknowledgment of NSF support is made in any publication, including World Wide Web pages, of any material based on or developed under your NSF project. Acknowledgment information must include the NSF award number. NSF should be orally acknowledged during all news media interviews, including popular media such as radio, television and news magazines. Additional information is available in Article 21, Publications, of the Research Terms and Conditions, NSF Agency Specific Requirements, http://www.nsf.gov/pubs/policydocs/rtc/nsf_708.pdf .

If you are publishing a paper with science news of interest to the public, planning a news release that involves work supported by NSF, or making a major presentation of your research, please notify your Program Director and your institution's Public Information Officer well in advance of the event for possible inclusion as an NSF press release. If a journal has embargo policies related to publicity on forthcoming articles, we will work with all participants involved to ensure compliance with journal policies. Additional information regarding public affairs support is available at http://www.nsf.gov/news/newsmedia/special_notice_pio.jsp .

If you have any questions regarding Highlights, press releases, or acknowledgment of NSF support, please contact the Division of Chemistry at 703-292-8840. We look forward to working with you on the very important job of communicating the value of chemical research to our various mutual stakeholders.

Link to Full Announcement:

http://www.nsf.gov/pubs/2010/nsf10020/nsf10020.txt?WT.mc_id=USNSF_179

Opportunity #5

Knowledge Synthesis Center for Evaluating Genomic Application in Practice and Prevention (U18) RFA-GD10-001

Description: This announcement will fund a Genomics Knowledge Synthesis Center to plan and conduct three types of scientific activities:

- 1) developing systematic evidence reviews on selected genomic applications,
- 2) creating topic briefs on genomic applications,
- 3) and developing methods to enhance the efficiency and quality of systematic evidence reviews.

These reviews will examine the validity and utility of health-related genomic applications, contextual factors, and ELSI issues using methods and procedures developed by the EGAPP Working Group and CDC during the last 5 years. The Center will conduct literature, internet and other searches to collect information from published, unpublished, and "gray literature" sources. The Center and CDC will systematically evaluate the quality of information and will synthesize and summarize the information using methods developed by EGAPP. The Center, working collaboratively with CDC, will develop brief narrative summaries of available information (topic briefs).

Link to Full Announcement:

<http://www07.grants.gov/search/search.do;jsessionid=KSY0LmVMG4fnXQnHkyL2GHp2kBMp15ggG1JV7728GMsdyyh2bhLy!-1179711943?opId=51447&mode=VIEW>

Opportunity #6

Eunice Kennedy Shriver NICHD Cooperative Multicenter Neonatal Research Network (U10) DHHS – NIH RFA-HD-10-003

Description: The FOA issued by the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD) invites applications from investigators willing to participate with the NICHD under a cooperative agreement in an ongoing multi-center clinical program designed to investigate problems in neonatal medicine, particularly those related to low birth weight, prematurity, and common neonatal medical problems. This FOA will utilize the U10 NIH Cooperative Clinical Research Agreement grant mechanism. NICHD intends to commit approximately \$5.6 million total costs in FY 2011 to fund up to 18 new and/or competing continuation grants in response to this FOA. There will be protocol related expenses to be allocated through the data coordinating center. An applicant may request a project period of five years and a base budget for direct costs up to \$200,000 per year. The U01 Research Strategy section may not exceed 12 pages, including tables, graphs, figures, diagrams, and charts Only one PD/PI may be designated on the application. An applicant institution may submit only one application in response to this FOA. Resubmission applications are not permitted in response to this FOA. Renewal applications are permitted in response to this FOA.

Link to Full Announcement:

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-003.html>

Opportunity #7

Eunice Kennedy Shriver NICHD Maternal Fetal Medicine Units Network (U10) DHHS - NIH RFA-HD-10-008

Description: Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites applications from investigators willing to participate with the NICHD under a cooperative agreement in an ongoing multi-center clinical program designed to investigate problems in clinical obstetrics, particularly those related to prevention of low birth weight, prematurity, and medical problems of pregnancy. This FOA will utilize the NIH Cooperative Clinical Research (U10) grant award mechanism. NICHD intends to commit approximately \$5 million total costs in FY2011 to fund up to 16 new and or competing continuation grants in response to this FOA. An applicant may request a project period of five years and a base budget for direct costs up to \$200,000 per year. The U10 Research Strategy section may not exceed 12 pages, including tables, graphs, figures, diagrams, and charts. Only one PD/PI may be designated on the application. Applicants may submit only one application in response to this FOA. Resubmission applications **are not** permitted in response to this FOA. Renewal applications **are** permitted in response to this FOA.

Link to Full Announcement:

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-008.html>

Opportunity #8**Recovery Act Limited Competition: Framework Programs for Global Health Signature Innovations Initiative (R24)
DHHS – NIH
RFA-OD-10-007**

Description: This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery & Reinvestment Act of 2009 (“Recovery Act” or “ARRA”), Public Law 111-5, invites applications from U.S. institutions and their partners to enhance the infrastructure and opportunities at the participating institutions for training postdoctoral investigators to carry out innovative, multidisciplinary research in Global Health. The initiative emphasizes hands on, problem solving, and collaborative approaches and may require the development of new training models and new partnerships within and beyond the university community. This FOA will utilize the NIH Resource-Related Research Project (R24) award mechanism. The Fogarty International Center intends to commit up to \$2.7 million under this FOA. We anticipate that 6-10 awards will be made for fiscal year 2010, pending the number and quality of applications and availability of funds. For this funding opportunity, the requested budget may not exceed \$250,000 (single academic institutions) or \$400,000 (consortia- see definitions under Section II.2) direct costs per year for a one-year project period. Facilities and Administrative (F&A) costs are limited to up to 8% of direct costs. The R24 Research Strategy section may not exceed **12** pages, including tables, graphs, figures, diagrams, and charts. More than one PD/PI (i.e., multiple PDs/Pis) may be designated on the application

- One application per institution is allowed, although applicant institutions may also participate as members of consortia on applications submitted through other institutions.

Resubmission applications are not permitted in response to this FOA. Renewals are not permitted in response to this FOA.

Link to Full Announcement:

<http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-007.html>

Opportunity #9

caHUB Acquisition of Normal Tissues in Support of the GTEx Project DHHS – NIH S10-120

Description: To be eligible for Task Order award as a result of this RFP, Offerors MUST submit responsive proposals to BOTH this Task Order RFP as well as the Basic Ordering Agreement RFP No. S10-084 that may be found at www.fbo.gov. Offerors not receiving an award under the competitively issued BOA mentioned above WILL NOT be eligible for Task Order awards. Applicable terms and conditions for a Task Order resulting from this procurement are contained in both the Task Order document as well as the Basic Ordering Agreement. The objective of this Task Order is to establish Tissue Source Sites (TSS) to provide human tissues for biomedical research, one of the two main initiatives for the Genotype-Tissue Expression Project (GTEx), a pilot project of the NIH Roadmap. This effort will be organized within the National Cancer Institute's (NCI) cancer Human Biobank (caHUB) to whom the samples will be shipped for quality evaluation and use by the Laboratory component of GTEx.

A Purpose of the GTEx Project:

The GTEx project, a NIH Roadmap Initiative (<http://nihroadmap.nih.gov/GTEx/>), aims to provide a resource to the scientific community with which to study the relationship between genetic variation and regulation of gene expression. This project will collect and analyze multiple human tissues from donors who will also be characterized for germline genetic variation through dense genotyping. By treating global RNA expression levels as quantitative traits, loci with polymorphisms that are highly correlated with variations in expression will be identified as expression quantitative trait loci, or eQTLs. The SNPs within the eQTL that are correlated with gene expression are sometimes called eSNPs. Based on analysis of individual tissues, 4% or more of gene transcripts have cis-eQTLs, operationally defined as an eSNP that is located close to the gene whose expression it is correlated with. To identify trans-eQTLs, in which the eSNP maps far from the gene or on a different chromosome from the gene it is regulating, much larger numbers of samples relative to cis-eQTLs, will be required to achieve a statistically significant association. This is due to the need to adjust for the large number of statistical tests involved in searching for correlation between expression levels of every transcript and a very large number of genetic variants. Comprehensive identification of both cis- and trans-eQTLs will provide a valuable basis on which to study gene regulation with an immediate application in interpreting GWAS study findings.

The GTEx project will begin with a 2.5-year, 3-phased pilot in FY10. As developed at a June 2008 GTEx Workshop (<http://nihroadmap.nih.gov/GTEx/workshop0608>), the primary goal of the overall pilot is to assess the feasibility of enrolling 160 deceased donors identified through low post-mortem-interval (PMI) autopsy or organ/tissue transplant settings and collecting high-quality RNA from multiple tissues per donor. The precise number of tissues that yield high-quality RNA that can be collected from each donor is not known. The aim of this project is to collect as many different tissue types as is practical, ideally between 50 to 70, and to analyze gene expression in at least 50 tissues per donor.

Link to Full Announcement:

https://www.fbo.gov/index?s=opportunity&mode=form&id=ab81179930cb9bb433f84714f3325742&tab=core&_cview=1

Opportunity #10

DoD Breast Cancer Idea Award Department of Defense - Dept. of the Army -- USAMRAA W81XWH-10-BCRP-IDEA

Description: The Idea Award is designed to promote new ideas that are still in the early stages of development and have the potential to yield highly impactful data and new avenues of investigation. This mechanism supports conceptually innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancements that will accelerate the eradication of breast cancer. Research projects should include a well-formulated, testable hypothesis based on strong scientific rationale. The BCRP seeks applications from all areas of basic, translational, clinical, behavioral, and epidemiological research. Presentation of preliminary data is not consistent with the intent of the Idea Award mechanism. While the inclusion of preliminary data is not prohibited, the strength of the application should not rely on preliminary data. Innovation and Impact are the most important aspects of the Idea Award.

Link to Full Announcement:

<http://www07.grants.gov/search/announce.do;jsessionid=KSY0LmVMG4fnXQnHkyL2GHp2kBMp15ggG1JV7728GMsdyyh2bhLy!-1179711943>

Opportunity #11

DoD Breast Cancer Postdoctoral Fellowship Award Department of Defense - Dept. of the Army -- USAMRAA W81XWH-10-BCRP-POSTDOC

Description: The Postdoctoral Fellowship Award supports exceptionally talented recent medical or other doctoral graduates performing innovative, high-impact breast cancer research during their postdoctoral training, and allows them to obtain the necessary experience for an independent career at the forefront of breast cancer research. Candidates for this award should exhibit a strong desire to pursue a career in breast cancer research. Under this award mechanism, the postdoctoral trainee is considered the Principal Investigator (PI) and, as such, should write the project narrative with appropriate direction from the mentor. While the PI is not required to have previous experience in breast cancer research, this proposal must focus on breast cancer research. Proposals must emphasize the PI's high potential for success in becoming an independent breast cancer researcher based on his/her qualifications, achievements, and letters of recommendations. The mentor (or co-mentor, if applicable) must possess the appropriate expertise and experience in breast cancer, to include peer reviewed breast cancer funding and publications, and clearly demonstrate a commitment to guiding the PI's research and training. The proposal should include information about the mentor's experience in conducting innovative research and how he/she intends to support the PI's innovative breast cancer research endeavors. If the mentor is not an experienced breast cancer researcher, then a formal co-mentorship by an established breast cancer researcher is required. Proposals must provide details on the suitability of the PI's overall training plan and research project for attaining the goals of this mechanism. In addition, proposals must elaborate on the quality of the training environment in which the candidate will work, provide details on the training program and describe how this training will facilitate the candidate's career development as an independent, innovative breast cancer researcher. A multidisciplinary research approach to breast cancer is highly encouraged but not required; however, if there are multi-disciplinary aspects to the training, they should be clearly outlined in the proposal.

Link to Full Announcement:

<http://www07.grants.gov/search/announce.do;jsessionid=KSY0LmVMG4fnXQnHkyL2GHp2kBMp15gqG1JV7728GMsdyh2bhLy!-1179711943>

Opportunity #12

DoD Breast Cancer Transformative Vision Award Department of Defense - Dept. of the Army -- USAMRAA W81XWH-10-BCRP-TVA

Description: vision for dramatically affecting the prevention or treatment of breast cancer, and a plan to test and achieve the vision as quickly as possible. The critical components of this award mechanism are: Vision: The most important aspect of the Transformative Vision Award is the articulation of the vision for a new approach to significantly impact the prevention or treatment of breast cancer. The final impact may be near-term or long-term, but the success of the vision must be transformative on breast cancer. A careful presentation of the state-of-the-art, and how the vision will transform this state, must be described. Implementation: The vision must be supported by a detailed plan that identifies critical milestones and clearly outlines the innovations and technical solutions that will be implemented to accomplish the milestones. It is expected that the proposed plan will present an exceptional level of innovation and creativity, and that the Principal Investigator (PI) will assemble the team necessary to realize the vision. The PI should have demonstrated experience in successfully leading large, focused projects. The scope of the research effort may include a broad spectrum of research spanning from basic to clinical studies, with the end result leading to a revolutionary impact on an area of paramount importance in breast cancer prevention or treatment. The Transformative Vision Award will be supported in two phases. Phase I will enable the team to lay the groundwork for the research project and to test the basic concepts of the vision. Phase II will allow the expansion of the project to proceed to accomplishment of the vision

Link to Full Announcement:

<http://www07.grants.gov/search/search.do;jsessionid=KSY0LmVMG4fnXQnHkyL2GHp2kBMp15gqG1JV7728GMsdyh2bhLy!-1179711943?oppld=51454&mode=VIEW>

Opportunity #13

DoD Peer Reviewed Medical Concept Award
Department of Defense - Dept. of the Army -- USAMRAA
W81XWH-10-PRMRP-CA

Description: Innovation and novelty of the concept are the most important aspects of this award mechanism. The Concept Award is not intended to support a logical progression of an already established research project, but instead, supports high-risk studies that have the potential to reveal entirely new avenues for investigation. Innovative research may introduce a new paradigm, challenge existing paradigms, look at existing problems from new perspectives, or exhibit other uniquely creative qualities. This may include high-risk, potentially high-gain approaches to research within the FY10 PRMRP topic area of interest. Research that is an incremental advance upon published data is not considered innovative and will not be considered for funding under this award mechanism.

Link to Full Announcement:

<http://www07.grants.gov/search/announce.do;jsessionid=KSY0LmVMG4fnXQnHkyL2GHp2kBMp15ggG1JV7728GMsdyyh2bhLy!-1179711943>

Opportunity #14

DoD Peer Reviewed Medical Clinical Trial Award
Department of Defense - Dept. of the Army -- USAMRAA
W81XWH-10-PRMRP-CTA

Description: This award is intended to support the rapid implementation of clinical trials of interventions with the potential to have a significant impact on a disease or condition addressed in at least one of the congressionally directed FY10 PRMRP topic areas. All studies must be responsive to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population, and may address prevention, detection, diagnosis, treatment, and/or quality of life. All applications must specifically and clearly address the military relevance of the proposed research. Collaboration with military and/or U.S. Department of Veterans Affairs (VA) researchers and/or clinicians is encouraged; however, the use of military populations is not a prerequisite. Proposals recruiting civilian populations as an alternative are strongly recommended.

Link to Full Announcement:

<http://www07.grants.gov/search/announce.do;jsessionid=KSY0LmVMG4fnXQnHkyL2GHp2kBMp15ggG1JV7728GMsdyyh2bhLy!-1179711943>

Opportunity #15

DoD Peer Reviewed Medical Investigator-Initiated Research Award
Department of Defense - Dept. of the Army -- USAMRAA
W81XWH-10-PRMRP-IIRA

Description: This award mechanism is intended to support studies that will make an important contribution toward understanding mechanisms of initiation, or progression of and/or improving patient care for a disease or a condition related to at least one of the congressionally directed FY10 PRMRP topic areas. Research proposals should be responsive to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population. All applications must specifically and clearly address the military relevance of the proposed research. Collaboration with military and/or US Department of Veterans Affairs (VA) researchers and/or clinicians is encouraged.

Link to Full Announcement:

<http://www07.grants.gov/search/announce.do;jsessionid=KSY0LmVMG4fnXQnHkyL2GHp2kBMp15ggG1JV7728GMsdyyh2bhLy!-1179711943>

Opportunity #16

**DoD Peer Reviewed Medical Technology/Therapeutic Development Award
Department of Defense - Dept. of the Army -- USAMRAA
W81XWH-10-PRMRP-TTDA**

Description: This award is product-driven and is intended to provide support for the translation of promising preclinical findings into products for clinical applications in at least one of the congressionally directed FY10 PRMRP topic areas. Products in development should be responsive to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population. All applications must specifically and clearly address the military relevance of the proposed research. Collaboration with military and/or U.S Department of Veterans Affairs (VA) researchers and/or clinicians is encouraged.

Link to Full Announcement:

<http://www07.grants.gov/search/announce.do;jsessionid=KSY0LmVMG4fnXQnHkyL2GHp2kBMp15gqG1JV7728GMsdyyh2bhLy!-1179711943>