

# THE STATE UNIVERSITY SYSTEM OF FLORIDA

## WASHINGTON E-UPDATE

Prepared by Cavarocchi-Ruscio-Dennis Associates, Editor -- Brent Jaquet

Contributors -- Dom Ruscio, Erika Miller, Tiffany Kaszuba, Brandon McCain

**December 2013**

***Budget and Appropriations Update*** -- With less than two weeks remaining before their “no penalties attached” deadline, budget negotiators may be closing in on a scaled-back fiscal agreement that would set a spending blueprint for fiscal years 2014 and 2015 plus partially alleviate budget sequestration.

While the negotiations have transpired mostly behind closed doors, all indications are that lawmakers dispensed with the idea of reaching a grand bargain early on, deciding to focus on the short-term instead. Conservative lawmakers also made it clear that any relaxation of the sequester must be accompanied with dollar-for-dollar offsetting deficit cuts.

The negotiations are being led by House budget committee chair Rep. Paul Ryan (R-WI) and his Senate counterpart, Senator Patty Murray (D-WA). Both are trying to strike a deal before December 13, to allow enough time for the House and Senate appropriations committees to complete work on the 12 annual appropriations bills. Their task will not be easy given that the two chambers started out about \$91 billion apart in their top-line spending targets.

Absent some agreement, the sequester axe is due to fall again in January, with the preponderance of cuts being applied to defense spending.

Reports have leaked out that Ryan and Murray are focusing on a combination of non-tax revenue such as user fees and modest cuts to mandatory spending programs to produce savings to offset any reduction in the sequester. Other possible revenue-raisers include: raising aviation fees to more fully cover the cost of airport security; raising the premiums charged by the Pension Benefit Guaranty Corp; or extending Fannie Mae and Freddie Mac or customs fees that are set to expire in 2021; and the sale of wireless spectrum.

Negotiators are also looking for savings in mandatory spending areas such as federal employee retirement programs and the U.S. Postal Service, rather than the large, fast-growing health care entitlement programs such as Medicare and Medicaid.

While December 13 is their target deadline, the actual drop-dead date for any deal is January 15, when the current continuing resolution funding the government is due to expire.

## **OMB issues report on effects of government shutdown**

The White House Office of Management and Budget released a report November 7th on the impact of the recent 16-day government shutdown. According to the report, the shutdown may lower Gross Domestic Product growth between 0.2 and 0.6 percent, or \$2 billion to \$6 billion. The report includes a section on public health and research, and discusses the impact on NIH and other science agencies.

Find the report at: <http://www.whitehouse.gov/sites/default/files/omb/reports/impacts-and-costs-of-october-2013-federal-government-shutdown-report.pdf>

## **Congressional Budget Office deficit reduction options would hit university interests**

As part of the process for deliberations by the Budget Conference Committee the Congressional Budget Office released an analysis providing a list and rationale for 100 options for reducing the nation's deficit from 2014 - 2023.

The report presented options by various categories of spending including entitlements, defense, health and tax policy.

Several of the proposals touched on areas of interest for universities including Option 6 under the Mandatory spending section which would reduce or eliminate subsidized loans for undergraduate students; Option 7 which would eliminate the mandatory spending "add on" to Pell grants which helps fund the program each year; Option 20 in Discretionary spending which would restrict Pell grants to the neediest students; and Option 13 under Health which would reduce or constrain funding for NIH. Several others could also affect universities such as the options on eliminating human space program funding, funding for the arts, and reducing funding for energy technology development by the Department of Energy. The summary and full reports are available here:

Summary: <http://cbo.gov/sites/default/files/cbofiles/attachments/44715-SummaryTableofOptions.pdf>

Full report: <http://cbo.gov/sites/default/files/cbofiles/attachments/44715-OptionsForReducingDeficit.pdf>

## **Senate committee hearing examines student aid issues**

The Senate Health, Education, Labor and Pensions Committee (HELP) Committee held its third in a series of hearings to examine issues as Congress approaches reauthorizing the Higher Education Act next year.

The November 13 hearing focused on student financial aid: *"Ensuring Access to Higher Education: Simplifying Federal Student Aid for Today's College Student."*

A panel of four testified on various aspects of the topic to Committee members including Chairman Tom Harkin (D-IA); Ranking Member Lamar Alexander (R-TN); Senator Michael Bennet (D-CO); Senator Patty Murray (D-WA); Senator Chris Murphy (D-CT); Senator Robert Casey (D-PA); Senator Tammy Baldwin (D-WI); and Senator Al Franken (D-MN).

Among the topics discussed, the hearing focused on application and enrollment for student loans and how best to simplify the process. Witnesses agreed that more guidance is needed for the application process especially for non-traditional and low income students. Legislation (S.1156) introduced by Sen. Franken and cosponsored by Sen. Marco Rubio to standardize language in financial aid award letters was also mentioned. To view the hearing webcast or read the witness testimony, click: <http://www.help.senate.gov/hearings/hearing/?id=feb2f2ee-5056-a032-5236-017dbc7192a8>

## **New Senate task force established on regulation of higher education**

The Senate HELP Committee announced November 18 that it had formed a new Task Force on Government Regulation of Higher Education to “conduct a comprehensive review of federal regulations and reporting requirements affecting colleges and universities and make recommendations to reduce and streamline regulations, while protecting students, institutions and taxpayers.”

Fourteen college and university presidents and other higher education experts were appointed to the panel to be chaired by Nicholas Zeppos, chancellor of Vanderbilt University, and William Kirwan, chancellor of the University System of Maryland.

In letters to request participation in the task force, the Senate committee members wrote: “Our higher education system remains the best in the world and is often credited for its breadth of choice and commitment to institutional autonomy. Over the past decade, however, Congress and the U.S. Department of Education have added more mandates, reporting requirements and regulations with which institutions must comply. This Task Force creates an opportunity to conduct a comprehensive review of federal regulations and reporting requirements affecting colleges and universities and make recommendations to Congress and the Administration to streamline and reduce federal regulations, while at the same time maintaining student and taxpayer protections.”

The release by the committee, which has responsibility for writing next year’s reauthorization of the Higher Education Act, is available [here](#).

## **NIST seeking comments on cybersecurity plan**

The National Institute of Standards and Technology opened a 45-day public comment period on October 29 on its recently released [Preliminary Cybersecurity Framework](#).

The feedback is expected to inform development of the final Framework by February 2014.

The Framework, developed in collaboration with industry, provides guidance to organizations on managing cybersecurity risk. A key objective of the Framework is to encourage organizations to consider cybersecurity risk as a priority similar to financial, safety, and operational risk while factoring in larger systemic risks inherent to critical infrastructure.

On February 12, 2013, President Obama issued Executive Order 13636 directing NIST to work with stakeholders to develop a voluntary framework for reducing cyber risks, recognizing that U.S. national and economic security depends on the reliable functioning of critical infrastructure. Through a request for information and a series of workshops held throughout 2013, NIST elicited input from more than 3,000 individuals and organizations on standards, best practices and guidelines that can provide businesses, their suppliers, their customers and government agencies with a shared set of expected protections for critical information and IT infrastructure.

The Executive Order was issued after Congress failed to agree on cyber information legislation in 2012. This year the House of Representatives passed H.R. 624, the Cyber Intelligence Sharing and Protection Act that seeks to protect privacy and civil liberties while improving cyber threat information sharing. The Senate has not acted on the bill.

The Preliminary Framework outlines a set of steps that can be customized to various sectors and adapted by both large and small organizations while providing a consistent approach to cybersecurity. It offers a common language and mechanism for organizations to determine and describe their current cybersecurity posture, as well as their target state for cybersecurity. The framework will help them to identify and prioritize opportunities for improvement within the context of risk management and to assess progress toward their goals.

## **Groups urge Budget Committee conferees to support NIH, replace sequestration**

More than 180 organizations representing patients, scientists, health care providers, universities, and industry joined a Nov. 12 letter to House and Senate Budget Committee chairs Representative Paul Ryan (R-Wis.) and Senator Patty Murray (D-Wash.).

The letter, led by the Ad Hoc Group for Medical Research, urges Congress and the Administration “to work together on a responsible FY 2014 budget agreement that replaces sequestration with a balanced plan that recognizes the significant cuts already made to discretionary programs, preserves the nation’s investment in medical research, and protects the health of the American people.” In closing, the letter states that “If we are to address the health challenges of an aging and increasingly diverse population, and remain a vibrant force in the global economy, America needs more investment in medical research, not less.” Read the letter [here](#).

## **New report highlights effects of budget cuts and sequestration to non-defense discretionary programs**

NDD United -- a collection of more than 3,000 national, state and local organizations that have banded together to urge a balanced approach to deficit reduction -- released a new report November 12, *Faces of Austerity: How Budget Cuts Have Made Us sicker, Poorer, and Less Secure*.

The coalition represents millions of Americans who benefit from programs funded through discretionary spending - including job training, education, environmental protection, and medical research. The report is available at <http://www.nddunited.org/>. The section on education and Pell grants begins on page 9.

## **Survey of research universities finds sequestration eroding capabilities**

The Association of American Universities, the Association of Public and Land-grant Universities and The Science Coalition announced November 11 the results of a recent survey of research universities on the impact of sequestration. In general, 81 percent of 171 research universities in the survey reported they are experiencing negative effects of the cutbacks.

Among other findings, 70 percent of respondents cited reductions in the number of research grants; 58 percent cited personnel impacts at their institutions; and 42 percent cited impacts directly affecting students, including admitting fewer graduate students or loss of tuition reductions or stipends.

In the survey press release, APLU President Peter McPherson said "Sequestration is a blunt and reckless tool that has chipped away at the core role our institutions play for the country in conducting critical research that leads to the next generation, technological breakthroughs... If Congress fails to reverse course and doesn't begin to value investments in research and higher education, then the innovation deficit this country is facing will worsen as our foreign competitors continue to seize on this nation's shortfall."

Find more information and the results at: <http://www.scienceworksforus.org/press-releases/seven-months-of-sequestration-already-eroding-america-s-research-capabilities>

## **House appropriations committee appoints new subcommittee chairs**

House Appropriations Committee Chairman Hal Rogers (R-KY) announced several changes in the committee's chairmanships in mid-November. The changes were needed due to the passing of Rep. C.W. Bill Young, who was Chairman of the Appropriations Subcommittee on Defense, and the retirement of Rep. Rodney Alexander, who was Chairman of the Legislative Branch Appropriations Subcommittee.

Rep. Rodney Frelinghuysen (R-NJ), formerly Chairman of the Energy and Water Development Subcommittee, will take the helm of the Defense Appropriations Subcommittee.

Rep. Mike Simpson (R-ID), formerly Chairman of the Interior and Environment Appropriations Subcommittee, will now head the Appropriations Subcommittee on Energy and Water Development.

Rep. Ken Calvert (R-CA) will move up the ranks and assume a Chairmanship for the first time as the leader of the Subcommittee on Interior and the Environment.

## **Education Department seeking members for rule-making committee**

The Department of Education announced November 19 that it is seeking nominations for service on a negotiated rule-making committee that will be formed to propose regulations related to federal student-aid programs and program-integrity. A notice announcing the move appeared in the Federal Register. Read the notice here: <https://s3.amazonaws.com/public-inspection.federalregister.gov/2013-27850.pdf>.

The panel will cover a range of topics listed below. The committee's first negotiating session is expected to take place in February.

### ***Topics for consideration:***

- Cash management of funds provided under the title IV Federal Student Aid programs, including the use of debit cards and the handling of title IV credit balances.
- State authorization for programs offered through distance education or correspondence education.
- State authorization for foreign locations of institutions located in a State.
- Clock to credit hour conversion.
- The definition of "adverse credit" for borrowers in the Federal Direct PLUS Loan Program.
- The application of the repeat coursework provisions to graduate and undergraduate

## Highlights of competitive grant opportunities at federal agencies

**Agency:** Department of Health and Human Services  
Agency for Health Care Research and Quality

**Program:** Patient Safety Learning Laboratories: Innovative Design and Development to Improve Healthcare Delivery Systems (P30)

**Description:** The Agency for Healthcare Research and Quality (AHRQ) funds research leading to patient safety improvements in all settings and systems of care delivery. While many researchers have endorsed a systems model as a way of thinking about entrenched patient safety problems, there has been a scarcity of programmatic activity that actually engages in new design and systems engineering effort, and that is focused on more than singular patient safety concerns.

**Due Date:** 2/7/2014

**Funding:** Total Funding: \$5,000,000; Award Ceiling: \$1,000,000

**Website:** <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-14-005.html>

**Agency:** Department of Health and Human Services  
Agency for Health Care Research and Quality

**Program:** Advances in Patient Safety through Simulation Research (R18)

**Description:** AHRQ's Patient Safety (PS) Portfolio is addressing patient safety and medication research by focusing on the safe usage of medications. This perspective centers on how medications move through the health care system and how this systemic process can be improved so that patients are not harmed, while health care delivery is improved. The PS Portfolio encourages the involvement of all members of the health care team, especially patients, and families; nurses, pharmacists, technicians (pharmacy and medication administration technicians), health care administrators, risk managers, and physicians) across all settings of care (including in the home) as well as the home).

**Due Date:** 9/25/2016

**Funding:** \$500,000

**Website:** <http://grants.nih.gov/grants/guide/pa-files/PA-14-004.html>

**Agency:** Department of Health and Human Services  
Agency for Health Care Research and Quality

**Program:** Advancing Patient Safety Implementation through Safe Medication Use Research (R18)

**Description:** AHRQ's Patient Safety (PS) Portfolio is addressing patient safety and medication research by focusing on the safe usage of medications. This perspective centers on how medications move through the health care system and how this systemic process can be improved so that patients are not harmed, while health care delivery is improved. The PS Portfolio encourages the involvement of all members of the health care team, especially patients, and families; nurses, pharmacists, technicians (pharmacy and medication administration technicians), health care administrators, risk managers, and physicians) across all settings of care (including in the home) as well as the home). This grant will fund investigative research demonstration projects that examine the effective implementation of processes, policies, and behaviors that support safe use of medication as well as its sustainment and dissemination.

**Due Date:** 9/25/2016

**Funding:** \$1,500,000

**Website:** <http://grants.nih.gov/grants/guide/pa-files/PA-14-002.html>

**Agency:** Department of Health and Human Services  
Agency for Health Care Research and Quality

**Program:** Exploratory and Developmental Grant to Improve Health Care Quality through Health Information Technology (IT) (R21)

**Description:** The purpose of this program is to fund exploratory and developmental research grants that will contribute to the evidence base of how health IT improves health care quality. This grant supports the use of a wide variety of research designs in order to generate information regarding the design and development, implementation, use, or impact of health IT on quality. Depending on the research design and intent of the project, applicants may receive support for: (1) pilot and feasibility or self-contained health IT research projects; (2) secondary data analysis of health IT research; or (3) economic (prospective or retrospective) analyses of a health IT project. Each grant application must clearly state which type of the three types of studies is being proposed.

**Due Date:** 11/16/2016

**Funding:** \$200,000

**Website:** <http://grants.nih.gov/grants/guide/pa-files/PA-14-001.html>



**Agency:** Department of Defense  
Air Force -- Research Lab

**Program:** AFRL/RXC Structural Materials Open/Open BAA Program

**Description:** The objectives are to seek new, innovative ideas for research from academia and industry and to respond quickly to changes in technology and reasearch focus in the area of structural materials technologies that range from materials and scientific discovery through technology development and transition.

**Due Date:** 11/4/2018

**Funding:** \$49,500,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=246533>

**Agency:** Department of State  
Bureau of Democracy

**Program:** Democracy, Human Rights, and Rule of Law in Europe and Eurasia  
(Azerbaijan, Moldova and Turkey)

**Description:** The Bureau of Democracy, Human Rights, and Labor (DRL) announces a Request for Proposals from organizations interested in submitting proposals for projects that strengthen civil society in Azerbaijan, Moldova and Turkey. For details, please refer to the full Public Notice.

**Due Date:** 11/8/2013

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247293>

**Agency:** Department of Defense  
DARPA - Defense Sciences Office

**Program:** Young Faculty Award (YFA)

**Description:** This announcement solicits ground-breaking single-investigator proposals from junior faculty for research and development in the areas of Physical Sciences, Engineering, Mathematics, Medicine, Biology, Information and Social Sciences of interest to DARPA's Defense Sciences Office (DSO), and Microsystems Technology Office (MTO).

**Due Date:** 1/7/2014

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247637>

**Agency:** Department of Education

**Program:** OSERS: NIDRR: Disability and Rehabilitation Research Projects Centers Program: Minority-Serving Institution Field Initiated Projects Program

**Description:** The purpose of the Field-Initiated Projects program is to develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration into society, employment, independent living, family support, and economic and social self-sufficiency of individuals with disabilities, especially individuals with the most severe disabilities. Another purpose of the FI Projects program is to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended (Act). The purpose of this competition is to improve the capacity of minority entities to conduct high-quality disability and rehabilitation research by limiting eligibility for grants to minority entities and Indian tribes.

**Due Date:** 1/21/2014

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247894>

**Agency:** Department of Education

**Program:** The Office of Special Education and Rehabilitative Services (OSERS): Rehabilitation Training: Rehabilitation Long-Term Training Program: Vocational Rehabilitation Counseling

**Description:** The Rehabilitation Long-Term Training program provides financial assistance for— (1) Projects that provide basic or advanced training leading to an academic degree in areas of personnel shortages in rehabilitation as identified by the Secretary; (2) Projects that provide a specified series of courses or program of study leading to the award of a certificate in areas of personnel shortages in rehabilitation as identified by the Secretary; and (3) Projects that provide support for medical residents enrolled in residency training programs in the specialty of physical medicine and rehabilitation.

**Due Date:** 2/3/2014

**Funding:** Total Funding: \$9,166,902; Award Ceiling: \$200,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=246894>

**Agency:** Department of the Interior  
Geological Survey

**Program:** Water Resources Research National Competitive Grants Program

**Description:** Section 104g of the Water Resources Research Act of 1984 requires that this competitive grant program focus on water problems and issues of a regional or interstate nature beyond those of concern only to a single State and which relate to specific program priorities identified jointly by the Secretary of the Interior and the water resources research institutes. Objectives of this program also include the following A. Promote collaboration between the USGS and university scientists in research on significant national and regional water resources issues. Proposals exhibiting substantial collaboration between the USGS and the applicant are encouraged and will receive extra weight in the evaluation and selection process. Collaborative proposals should describe in detail the respective roles of the USGS and the applicant in the proposed work. Potential applicants seeking collaborative opportunities are encouraged to contact USGS Water Science Center Directors. Potential applicants are also encouraged to contact the Water Resources Research Branch Chiefs see Attachment F for contact information. B. Promote the dissemination and application of the results of the research funded under this program. C. Assist in the training of scientists in relevant water resource fields. Proposals that include a strong educational component student support are encouraged, as are proposals from faculty beginning their careers. The USGS and NIWR prefer that research supported by this program involve substantial collaboration between the USGS and university scientists. Collaboration can range from use of USGS data and information in the research to mutual involvement of USGS and university scientists on projects.

**Due Date:** 3/6/2014

**Funding:** Total Funding: \$1,000,000; Award Ceiling: \$250,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247955>

**Agency:** Department of Energy  
Golden Field Office

**Program:** Hydrogen Production Research and Development

**Description:** This grant supports research and development efforts to address critical challenges and barriers for hydrogen production technology development. The long-term goal of production and delivery research and development is a high-volume hydrogen cost goal of \$2-\$4 per gallon gasoline equivalent (gge) (delivered and dispensed, but untaxed) to allow fuel cell electric vehicles (FCEVs) to be competitive on a dollar per mile basis with gasoline in hybrid electric vehicles. More specifically, the portion of the cost goal apportioned to production is <\$2/gge hydrogen. Innovative materials, processes, and systems are needed to establish the technical and cost feasibility for renewable and low carbon hydrogen production.

With this FOA, the DOE through the Fuel Cell Technologies Office will seek to fund hydrogen production research and development projects in order to move technologies towards reaching the hydrogen production cost goal of less than \$2/gge.

**Due Date:** 11/26/2013

**Funding:** \$4,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247533>

**Agency:** Department of Health and Human Services  
Health Resources & Services Administration

**Program:** Health Centers Service Area Competition - Additional Area (SAC-AA); Evergreen, AL; Gualala, CA; Tallahassee, FL; Nashua, NH; Waxahachie, Texas; and Kenosha, WI

**Description:** The Health Resources and Services Administration (HRSA) administers the Health Center Program as authorized by section 330 of the Public Health Service (PHS) Act, as amended (42 U.S.C. 254b). Health centers improve the health of the Nation's underserved communities and vulnerable populations by assuring access to comprehensive, culturally competent, quality primary health care services. Health Center Program grants support a variety of community-based and patient-directed public and private nonprofit organizations that serve an increasing number of the Nation's underserved. Individually, each health center plays an important role in the goal of ensuring access to services, and combined, they have had a critical impact on the health care status of medically underserved and vulnerable populations throughout the United States and its territories.

**Due Date:** 12/20/2013

**Funding:** \$7,233,370

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=248053>

**Agency:** National Aeronautics and Space Administration  
NASA Headquarters

**Program:** Spaceflight Research Opportunities in Space Biology

**Description:** This NASA Research Announcement (NRA) solicits hypothesis-driven space-flight research in Space Biology (SB) to be conducted on ISS. NASA SB experiments have one or more of the following primary goals: 1) to effectively use microgravity and the other characteristics of the space environment to enhance our understanding of basic biological processes; 2) to develop the scientific and technological foundations for a safe,

productive human presence in space for extended periods and in preparation for exploration; and 3) to apply this knowledge and technology to improve our nation's competitiveness, education, and the quality of life on Earth. NASA SB experiments will be designed to discover how space flight affects a diverse group of microorganisms, plants, and animals; study the effects of gravity (g) across the g-spectrum, i.e., from micro- to hyper-gravity; and characterize the biological effects of radiation, magnetic fields, and the interaction among species in the unusual environments of space and spacecraft.

**Due Date:** 12/19/2013

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247775>

**Agency:** National Aeronautics and Space Administration  
NASA Headquarters

**Program:** NASA Innovative Advanced Concepts (NIAC)

**Description:** NIAC supports innovative research through two phases of study. The Phase I awards culminating from this Appendix will be nine-month efforts to explore the overall feasibility and viability of visionary concepts. A follow-on Phase II request for proposals will later be released to eligible recipients of Phase I awards, past and present, to further develop the most promising Phase I concepts for up to two years and to explore potential infusion options within NASA and beyond. NIAC focuses on early studies of visionary aerospace concepts. These will be architecture, mission, or system concepts, typically Technology Readiness Level (TRL) 1-2 in maturity (see Attachment 2 in the NRA) and aiming ten or more years in the future.

**Due Date:** 12/18/2013

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247774>

**Agency:** National Endowment for the Humanities

**Program:** Museums, Libraries, and Cultural Organizations

**Description:** Museums, Libraries, and Cultural Organizations grants provide support for museums, libraries, historic places, and other organizations that produce public programs in the humanities. Grants support the following formats: exhibitions at museums, libraries, and other venues; interpretations of

historic places, sites, or regions; book/film discussion programs; living history presentations; other face-to-face programs at libraries, community centers, and other public venues; and interpretive websites and other digital formats. Types of Museums, Libraries, and Cultural Organizations awards Planning grants support the early stages of project development, including consultation with scholars, refinement of humanities themes, preliminary design, testing, and audience evaluation. Implementation grants support final scholarly research and consultation, design development, production, and installation of a project for presentation to the public.

**Due Date:** 1/8/2014

**Funding:** \$1,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247073>

**Agency:** National Endowment for the Humanities

**Program:** Media Projects

**Description:** Media Projects grants support the following formats: interactive digital media; film and television projects; and radio projects. Interactive digital media may be websites, games, mobile applications, virtual environments, streaming video, podcasts, or other digital formats. Film and television projects may be single programs or a series addressing significant figures, events, or ideas and drawing their content from humanities scholarship. The programs must be intended for national distribution. The program welcomes projects ranging in length from short-form to broadcast-length video. Radio projects may involve single programs, limited series, or segments within an ongoing program. They may also develop new humanities content to augment existing radio programming or add greater historical background or humanities analysis to the subjects of existing programs. Production grants support the production and distribution of digital projects, films, television programs, radio programs, and related programs that promise to engage the public.

**Due Date:** 1/8/2014

**Funding:** \$1,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=246714>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Seeding Collaborations for Translational Research to Discover and Develop New Therapies for Diseases and Conditions within NIDDK's Mission (Revisions) (R01)

**Description:** The purpose of this program is to seed collaborations that enable translational research for the discovery and development of therapies for diseases and conditions of interest to NIDDK. The grant encourages collaborations through revisions to active NIDDK R01 research project grants. The revision allows the Program Director/Principal Investigator (PD/PI) to propose an expansion of the specific aims to develop collaborations and approaches that facilitate translational research on target identification, early-stage pharmacological validation of targets and pre-therapeutic leads, lead optimization, and limited pre-clinical development

**Due Date:** 1/7/2017

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=248074>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Animal and Biological Material Resource Centers (P40)

**Description:** This program encourages grant applications for national Animal Model, and Animal and Biological Material Resource Centers. These Centers provide support for special colonies of laboratory animals, as well as other resources such as reagents, cultures (cells, tissues, and organs) and genetic stocks that serve the biomedical research community. The resource centers for Animal and Biological Materials collect, maintain, characterize, and distribute defined strains of animals and/or related biological materials to biomedical investigators in a variety of research areas on a local, regional, national and international basis. This funding opportunity is designed to both support continuation of existing resources, and to develop new ones when appropriate.

**Due Date:** 1/7/2017

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=248093>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** NCI Small Grants Program for Cancer Research (NCI Omnibus R03)

**Description:** This announcement, issued by the National Cancer Institute (NCI), of the National Institutes of Health (NIH) supports small research projects on cancer that can be carried out in a short period of time with limited resources. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.

**Due Date:** 1/5/2017

**Funding:** \$50,000 per award, phase 1

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=248113>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Superfund Hazardous Substance Research and Training Program (P42)

**Description:** The National Institute of Environmental Health Sciences (NIEHS) is announcing the continuation of the Superfund Hazardous Substance Research and Training Program, referred to as Superfund Research Program (SRP) Centers. SRP Center grants will support problem-based, solution-oriented research Centers that consist of multiple, integrated projects representing both the biomedical and environmental science and engineering disciplines; as well as cores tasked with administrative, community engagement, research translation, training, and research support functions. The scope of the SRP Centers is taken directly from the Superfund Amendments and Reauthorization Act of 1986, and includes: (1) advanced techniques for the detection, assessment, and evaluation of the effect on human health of hazardous substances; (2) methods to assess the risks to human health presented by hazardous substances; (3) methods and technologies to detect hazardous substances in the environment; and (4) basic biological, chemical, and physical methods to reduce the amount and toxicity of hazardous substances.

**Due Date:** 4/10/2014

**Funding:** \$8,500,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247793>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Collaborative Activities to Promote Metabolomics Research (Admin Supp)



**Description:** This administrative supplement funding opportunity is part of the Common Fund Metabolomics Program created to increase and improve the nations ability to undertake metabolomics analyses in translational and clinical research. Metabolomics has great potential to advance our understanding of human diseases, but requires specialized expertise in metabolomics study design, technology, and data analysis and interpretation. This grant supports supplemental funds to current NIH-funded research projects for new interactive collaborations between basic or clinical researchers and metabolomics experts to add biomedical studies requiring a metabolomics approach. In addition to enhancing the parent grant by adding metabolomics analyses, collaborative projects must include activities to increase the expertise of the biomedical research group in key aspects of metabolomics study design, analysis, and data interpretation.

**Due Date:** 2/14/2014

**Funding:** \$2,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247643>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Indo-US Collaborative Program on Affordable Medical Devices (R03)

**Description:** The goal of this funding opportunity announcement is to (i) foster joint activities between US and Indian scientists on affordable diagnostic and therapeutic technologies, and (ii) address medical needs in low-resource settings, taking advantage of opportunities and technological advances, to aid the development of appropriate affordable medical devices. To address needs and opportunities, Indian and U.S. scientists will undertake a coordinated program that will involve collaborative, peer-reviewed research and technology development projects. Collaboration between engineers and scientists in the U.S. and India will be based on mutual benefit, trust, and a shared commitment to development of diagnostic or therapeutic technologies for people in low-resource settings.

**Due Date:** 5/7/2016

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247574>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** New Computational Methods for Understanding the Functional Role of DNA Variants that are Associated with Mental Disorders (Collaborative R01)

**Description:** The purpose of this program is to support the development of advanced computational, bioinformatic and statistical tools to determine the functional relevance of genetic variants associated with mental disorders of complex etiologies identified through genome-wide association or sequencing studies. The overarching goal of this initiative is to support the development of innovative computational methods that facilitate the elucidation of the functionality of genetic variants associated with mental illness, taking into account the added complexities and nuances of brain diseases, and to ultimately inform the identification and validation of potential targets for novel treatment development. This grants should be used when two or more sites are needed to complete the study.

**Due Date:** 1/7/2017

**Funding:** \$3,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247577>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** New Computational Methods for Understanding the Functional Role of DNA Variants that are Associated with Mental Disorders (R01)

**Description:** The purpose of this announcement is to support the development of advanced computational, bioinformatic and statistical tools to determine the functional relevance of genetic variants associated with mental disorders of complex etiologies identified through genome-wide association or sequencing studies. The overarching goal of this initiative is to support the development of innovative computational methods that facilitate the elucidation of the functionality of genetic variants associated with mental illness, taking into account the added complexities and nuances of brain diseases, and to ultimately inform the identification and validation of potential targets for novel treatment development.

**Due Date:** 1/7/2017

**Funding:** \$3,000,000

**Website:** <http://grants.nih.gov/grants/guide/pa-files/PAR-13-392.html>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Validation and Demonstration of Devices for Environmental Exposure Assessment (R21/R33)

**Description:** This funding opportunity is intended to facilitate the translation of prototype devices for characterization of personal exposures into field use by supporting a phased validation effort involving a partnership between tool developers and environmental epidemiologists. In the initial (R21) phase, the focus is on iterative refinement of the prototype based on evaluation in a pilot scale study. The goal of this phase is to demonstrate data quality, tool reliability, and usability in a real world and relevant setting. The second (R33) phase will involve larger scale application in a larger epidemiological study to demonstrate the added scientific value of the tool in terms of both improved exposure assessment and estimation of exposure-health outcome relationships.

**Due Date:** 2/4/2014

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247454>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Exceptional Unconventional Research Enabling Knowledge Acceleration (EUREKA) for Neuroscience and Disorders of the Nervous System (R01)

**Description:** This announcement seeks Research Project Grant (R01) applications addressing exceptionally novel hypotheses and/or remarkably difficult problems in neuroscience and disorders of the nervous system. This announcement is for support of new rather than ongoing projects, and is not intended for pilot research. The proposed research may have a high risk of failure, but it must promise results with especially high impact should it be successful. The research should be groundbreaking, innovative, original and/or unconventional, with the potential to solve important problems or open new areas for investigation.

**Due Date:** 2/3/2014

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247313>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Cancer Center Support Grants (CCSGs) for NCI-designated Cancer Centers (P30)

**Description:** This announcement invites applications for P30 Cancer Center Support Grants (CCSGs) for NCI-designated Cancer Centers. CCSGs support two types of cancer centers: 1) Comprehensive Cancer Centers, which demonstrate reasonable depth and breadth of research activities in each of three major areas: basic laboratory; clinical; and prevention, control and population-based research, and which have substantial transdisciplinary research that bridges these scientific areas; and 2) Cancer Centers, which are primarily focused on basic laboratory; clinical; and prevention, cancer control, and population-based research; or some combination of these areas. The purpose of both types of NCI-designated Cancer Centers is to capitalize on all institutional cancer research capabilities, integrating meritorious programs in laboratory, clinical, and population research into a single transdisciplinary research enterprise across all institutional boundaries. Cancer Centers supported through this grant are expected: to serve as major sources of discovery of the nature of cancer and of development of more effective approaches to prevention, diagnosis, and therapy; to contribute significantly to the development of shared resources that support research; to collaborate and coordinate their research efforts with other NCI-funded programs and investigators; and to disseminate research findings for the benefit of the community.

**Due Date:** 1/7/2017

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=246993>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Evaluation and Administration Coordinating Center for the Low-Cost, Pragmatic, Patient-Centered Randomized Controlled Intervention Trials (R01)

**Description:** This NIH announcement invites applications to support an Evaluation and Administration Coordinating Center. This unit will facilitate the coordination among and between the awardees of RFA-HL-14-019 "Low-Cost, Pragmatic, Patient-Centered Randomized Controlled Intervention Trials (UH2/UH3)" and the NIH. This unit will also be responsible for conducting an evaluation of the RFA-HL-14-019 program.

**Due Date:** 1/23/2014

**Funding:** \$225,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247013>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Discovery of Molecular Targets for Pregnancy-Related/Induced Diseases and Development of Therapeutics to Prevent/Treat These Diseases (R01)

**Description:** The purpose of this announcement is to encourage grant applications that will identify molecular targets for pregnancy associated/induced disorders and will lead to the development of new safer and more effective medications for use in pregnancy.

**Due Date:** 5/7/2017

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247094>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Biomarkers for Diabetes Complications - Non-Invasive Measures in the Eye (DP3)

**Description:** This grant will support research on the development of biomarkers for the complications of type 1 diabetes that will use minimally or non-invasive measures of blood vessels and nerves in the eye. A critical obstacle for preventing and treating diabetes complications is the paucity of both biomarkers that can detect changes in blood vessels and nerves before clinical signs develop and surrogate end-points that can measure early responses to an intervention. Given the accessibility of the blood vessels and nerves in the eye for visualization, this announcement invites applications for research using the eye to visualize the development of diabetes complications in the eye and other tissues, such as the kidney, brain, heart and peripheral nerves.

**Due Date:** 4/7/2014

**Funding:** Total Funding: \$7,500,000; Award Ceiling: \$1,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=246896>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** NINDS Research Education Programs for Residents and Fellows in Neurology, Neurosurgery, Neuropathology, Neuroradiology and Emergency Medicine (R25)

**Description:** This announcement invites Research Education Grant (R25) applications from institutions/organizations to support the development and/or implementation of programs that relate to research education and preparation of clinical residents and fellows that will foster careers as physician-scientists. The PD/PI must have a staff appointment in a Department of Neurology, Neurosurgery or Pathology. Participants in the research education program must be residents or fellows, typically in neurology, neurosurgery, neuropathology, neuroradiology, anesthesiology or emergency medicine, who will conduct research within the mission of NINDS. The NIH recognizes a unique and compelling need to promote diversity in the biomedical, behavioral, clinical and social sciences research workforce. Accordingly, the NIH continues to encourage institutions to diversify their faculty populations and thus to increase the participation of individuals currently underrepresented in the biomedical, clinical, behavioral, and social sciences such as individuals from underrepresented racial and ethnic groups, and individuals with disabilities. PDs/PIs are encouraged to consider participants from diverse backgrounds for this funding opportunity.

**Due Date:** 1/25/2016

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=246693>

**Agency:** Department of Health and Human Services  
National Institutes of Health

**Program:** Developmental Origins of Health and Disease (DOHaD): Epigenetic Modification in Gametogenesis and Transgenerational Inheritance (R01)

**Description:** The purpose of this announcement is to encourage applications from the scientific community to support the development of comprehensive reference epigenomes for male and female gametes, and pre-implantation embryos after exposure to a particular environmental factor/insult. What is envisioned is the establishment of a compendium/atlas annotating epigenetic changes during various stages of spermatogenesis, oogenesis, and pre-implantation embryo development, the identification of the affected genes, and the characterization of any resulting phenotype in the offspring.

**Due Date:** 1/30/2015

**Funding:** \$250,000 per award

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=246694>

**Agency:** National Science Foundation

**Program:** Nanomanufacturing

**Description:** Nanomanufacturing is the production of useful nano-scale materials, structures, devices and systems in an economically viable manner. The NSF Nanomanufacturing Program supports fundamental research in novel methods and techniques for batch and continuous processes, top-down (addition/subtraction) and bottom-up (directed self-assembly) processes leading to the formation of complex heterogeneous nanosystems. The program supports basic research in nanostructure and process design principles, integration across length-scales, and system-level integration. The Program leverages advances in the understanding of nano-scale phenomena and processes (physical, chemical, electrical, thermal, mechanical and biological), nanomaterials discovery, novel nanostructure architectures, and new nanodevice and nanosystem concepts. It seeks to address quality, efficiency, scalability, reliability, safety and affordability issues that are relevant to manufacturing. To address these issues, the Program encourages research on processes and production systems based on computation, modeling and simulation, use of process metrology, sensing, monitoring, and control, and assessment of product (nanomaterial, nanostructure, nanodevice or nanosystem) quality and performance. The Program seeks to explore transformative approaches to nanomanufacturing, including but not limited to: micro-reactor and micro-fluidics enabled nanosynthesis, bio-inspired nanomanufacturing, manufacturing by nanomachines, additive nanomanufacturing, hierarchical nanostructure assembly, continuous high-rate nanofabrication such as roll-to-roll processing or massively-parallel large-area processing, and modular manufacturing platforms for nanosystems.

**Due Date:** 2/15/2014

**Funding:** Award Ceiling: \$300,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247776>

**Agency:** National Science Foundation

**Program:** Innovative Technology Experiences for Students and Teachers

**Description:** The ITEST program through research and model-building activities seeks to build understandings of best practice factors, contexts and processes contributing to K-12 students' motivation and participation in the science, technology, engineering, and mathematics core domains along with other STEM cognate domains (e.g., information and communications technology (ICT), computing, computer sciences, data analytics, among

others) that inform education programs and workforce domains. The ITEST program funds foundational and applied research projects addressing the development, implementation, and dissemination of innovative strategies, tools, and models for engaging students to be aware of STEM and cognate careers, and to pursue formal school-based and informal out-of-school educational experiences to prepare for such careers. ITEST supports projects that: (1) increase students' awareness of STEM and cognate careers; (2) motivate students to pursue the appropriate education pathways for STEM and cognate careers; and/or (3) provide students with technology-rich experiences that develop disciplinary-based knowledge and practices, and non-cognitive skills (e.g., critical thinking and communication skills) needed for entering STEM workforce sectors. ITEST projects may adopt an interdisciplinary focus on one or more STEM domains or focus on sub discipline(s) within a domain.

**Due Date:** 2/11/2014

**Funding:** Total Funding: \$50,000,000; Award Ceiling: \$2,150,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247596>

**Agency:** National Science Foundation

**Program:** CyberCorps(R): Scholarship for Service

**Description:** Cyberspace has transformed the daily lives of people. The rush to adopt cyberspace, however, has exposed its fragility and vulnerabilities: corporations, agencies, national infrastructure and individuals have been victims of cyber-attacks. In December 2011 the National Science and Technology Council with the cooperation of the NSF advanced a broad, coordinated federal strategic plan for cybersecurity research and education to "change the game"; check the misuses of cyber technology, bolster education and training in cybersecurity, establish a science of cybersecurity, and transition promising cybersecurity research into practice. To achieve this strategic plan, the nation needs advanced research within and across disciplines, requiring expertise in human, statistical, mathematical, computational, and computer sciences to develop and transition new concepts and technologies to practice. It also requires an innovative and efficient cybersecurity education system that results in an unrivaled cybersecurity workforce and citizenry capable of advancing America's economic prosperity and national security in the 21st century. The CyberCorps(R): Scholarship for Service (SFS) program seeks proposals that address cybersecurity education and workforce development. The Scholarship Track provides funding to award scholarships to students in cybersecurity. In return for their scholarships, recipients will work after graduation for a Federal, State, Local, or Tribal



Government organization in a position related to cybersecurity for a period equal to the length of the scholarship. The Capacity Track seeks innovative proposals leading to an increase in the ability of the United States higher education enterprise to produce cybersecurity professionals.

**Due Date:** 2/21/2014

**Funding:** Total Funding: \$19,670,000 Award Ceiling: \$5,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247594>

**Agency:** National Science Foundation

**Program:** Improving Undergraduate STEM Education

**Description:** A well-prepared, innovative science, technology, engineering and mathematics workforce is crucial to the Nation's health and economy. Indeed, recent policy actions and reports have drawn attention to the opportunities and challenges inherent in increasing the number of highly qualified STEM graduates, including STEM teachers. Priorities include educating students to be leaders and innovators in emerging and rapidly changing STEM fields as well as educating a scientifically literate populace; both of these priorities depend on the nature and quality of the undergraduate education experience. In addressing these STEM challenges and priorities, the National Science Foundation invests in research-based and research-generating approaches to understanding STEM learning; to designing, testing, and studying curricular change; to wide dissemination and implementation of best practices; and to broadening participation of individuals and institutions in STEM fields. The goals of these investments include: increasing student retention in STEM, to prepare students well to participate in science for tomorrow, and to improve students' STEM learning outcomes. Recognizing disciplinary differences and priorities, NSF's investment in research and development in undergraduate STEM education encompasses a range of approaches. These approaches include: experiential learning, assessment/metrics of learning and practice, scholarships, foundational education research, professional development/institutional change, formal and informal learning environments, and undergraduate disciplinary research. Both individually and integrated in a range of combinations, these approaches can lead to outcomes including: developing the STEM and STEM-related workforce, advancing science, broadening participation in STEM, educating a STEM-literate populace, improving K-12 STEM education, encouraging life-long learning, and building capacity in higher education.

**Due Date:** 2/4/2014

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247254>

**Agency:** Department of Defense  
Office of Naval Research

**Program:** Special Program Announcement for 2014 Office of Naval Research  
Opportunity: Basic Research Challenge on Majorana Fermions

**Description:** This announcement describes a research thrust, entitled “Basic Research Challenge on Majorana Fermions ” to be launched under the ONRBAA14-001, Long Range Broad Agency Announcement for Navy and Marine Corps Science and Technology. The purpose of this announcement is (1) to focus attention of the scientific community on the area to be studied, (2) to open dialogue amongst those interested in this area, and (3) to provide the planned timetable for the submission of proposals. The proposed topic will detect, characterize and manipulate Majorana fermions in solid state systems. The program will pursue a thorough understanding and experimental validation of various theoretical predictions of Majorana fermion modes that are realizable in solid state systems, and assess their application potential in areas such as quantum information technology.

**Due Date:** 12/10/2013

**Funding:** \$6,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=246453>

**Agency:** Department of Energy  
Office of Science

**Program:** Climate and Earth System Modeling: SciDAC and Climate Variability and Change

**Description:** Climate and Earth System Modeling is part of the Climate and Environmental Sciences Division (CESD) of the U.S. Department of Energy’s Office of Biological and Environmental Research (BER). The Climate and Earth System Modeling programs seek to develop and analyze high fidelity community models representing Earth and climate system variability and change, with a significant focus on the response of systems to natural and anthropogenic forcing. As the first of two programs in Climate and Earth System Modeling that participate in this grant, the Earth System Modeling (ESM) Program seeks to advance computational, dynamical, and biogeophysical representations of the Earth system and its components, and to calibrate, test and assess predictive capabilities using uncertainty quantification methodologies. The second program participating in this grant, the Regional and Global Climate Modeling (RGCM) Program, seeks to enhance the predictive understanding of the

Earth system by analyzing the natural and anthropogenic components of global and regional Earth system models. The use of model simulations in combination with observations enables a deeper understanding of climate variability and change. The ESM and RGCM programs are thus complementary, with ESM focused mainly on climate model development, and RGCM focused mainly on climate system analysis. Both modeling programs collaborate and coordinate with the Terrestrial Ecosystem Science (TES) and Atmospheric System Research (ASR) programs, by utilizing TES and ASR process research activities to inform model development, and by using model simulations to identify where further process research is required in atmospheric and terrestrial systems.

**Due Date:** 3/3/2014

**Funding:** Total Funding: \$8,000,000; Award Ceiling: \$500,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247993>

**Agency:** Department of Energy  
Office of Science

**Program:** Plant Feedstock Genomics for Bioenergy: A Joint Research Funding Opportunity Announcement USDA, DOE

**Description:** The U.S. Department of Energy's Office of Science, Office of Biological and Environmental Research (OBER), and the U.S. Department of Agriculture (USDA), National Institute of Food and Agriculture (NIFA), hereby announce their interest in receiving applications for genomics-based research that will lead to the improved use of biomass and plant feedstocks for the production of fuels such as ethanol or renewable chemical feedstocks. Specifically, applications are sought for research on plants that will improve biomass and oil seed characteristics, yield, or sustainability. Research to overcome the biological barriers to the low-cost, high-quality, scalable and sustainable production of bioenergy feedstocks using the tools of genetics and genomics are encouraged.

**Due Date:** 2/25/2014

**Funding:** Total Funding: \$5,000,000; Award Ceiling: \$500,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=247994>

**Agency:** Department of Defense  
Dept of the Army -- Materiel Command

**Program:** Fiscal Year (FY) 2014 Department of Defense Multidisciplinary Research Program of the University Research Initiative-Army Submission

**Description:** The MURI program supports basic research in science and engineering at U.S. institutions of higher education that is of potential interest to DoD. The program is focused on multidisciplinary research efforts where more than one traditional discipline interacts to provide rapid advances in scientific areas of interest to the DoD. As defined by the DoD, “basic research is systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind. It includes all scientific study and experimentation directed toward increasing fundamental knowledge and understanding in those fields of the physical, engineering, environmental, and life sciences related to long-term national security needs. It is farsighted high payoff research that provides the basis for technological progress.”

**Due Date:** 12/16/2013

**Funding:** Total Funding: \$250,000,000; Award Ceiling: \$2,500,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=242253>

**Agency:** Department of Defense  
Dept. of the Army -- USAMRAA

**Program:** DOD FY13 Militarily Relevant Peer Reviewed Alzheimer's Disease - Quality of Life Research Award

**Description:** Military personnel who suffer from Traumatic Brain Injuries (TBIs) face an increased risk for developing several long-term health problems. These conditions include Alzheimer's-like dementia, aggression, memory loss, depression, and symptoms similar to those of other neurological diseases. Research funded through the FY13 Quality of Life Research Award (QUAL) Program Announcement/Funding Opportunity is intended to develop best practices for in-patient and out-patient care of TBI and/or Alzheimer's Disease. Applications must include a multi-institutional team of up to 5 partners to: 1) assess the standards of care for their patients across the partners; 2) develop and measure best practices that would reduce the burden on the caregiver and patient; and 3) have a dissemination plan by which the best practices can become the elements of a new standard of care across the partners. Examples of partnering sites can be any combination of educational, non-profit, not-for-profit, and for-profit organizations, including hospitals and departments within an organization. The endpoints of the study should lead to changes in standards of care that positively affect quality of life for the patient and reduce the burden on the caregiver. The research impact is intended to benefit the military community, while also meeting a public purpose for the benefit of the civilian community.

**Due Date:** 12/16/2013

**Funding:** \$1,450,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=240317>

**Agency:** Department of Defense  
Office of Naval Research

**Program:** Fiscal Year (FY) 2014 Department of Defense Multidisciplinary Research Program of the University Research Initiative (MURI)

**Description:** The MURI program supports basic research in science and engineering at U.S. institutions of higher education that is of potential interest to DoD. The program is focused on multidisciplinary research efforts where more than one traditional discipline interacts to provide rapid advances in scientific areas of interest to the DoD. As defined by the DoD, "basic research is systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind. It includes all scientific study and experimentation directed toward increasing fundamental knowledge and understanding in those fields of the physical, engineering, environmental, and life sciences related to long-term national security needs. It is farsighted high payoff research that provides the basis for technological progress." (DoD 7000.14.R, vol. 2B, chap.5). DoD's basic research program invests broadly in many specific fields to ensure that it has early cognizance of new scientific knowledge.

**Due Date:** 12/16/2013

**Funding:** \$250,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=240153>

**Agency:** National Science Foundation

**Program:** Research on Education and Learning

**Description:** The Research on Education and Learning (REAL) program represents the substantive foci of three previous EHR programs: Research and Evaluation on Education in Science and Engineering (REESE), Research in Disabilities Education (RDE), and Research on Gender in Science and Engineering (GSE). What is distinctive about the new REAL program is the emphasis placed on the accumulation of robust evidence to inform efforts to (a) understand, (b) build theory to explain, and (c) suggest interventions (and innovations) to address persistent challenges in STEM interest, education, learning, and participation. The program supports advances in research on STEM (science, technology, engineering, and

mathematics) learning and education by fostering efforts to explore all aspects of education research from foundational knowledge to improvements in STEM learning and learning contexts, both formal and informal, from childhood through adulthood, for all groups, and from the earliest developmental stages of life through participation in the workforce, resulting in increased public understanding of science and engineering. The REAL program will fund research on, human learning in STEM; learning in STEM learning environments, and broadening participation research.

**Due Date:** 1/10/2014

**Funding:** Total Funding: \$51,000,000; Award Ceiling: \$2,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=242156>

**Agency:** Department of Defense  
Dept. of the Army -- USAMRAA

**Program:** DoD Breast Cancer Breakthrough Award

**Description:** The intent of the BCRP Breakthrough Award is to support promising research that has the potential to lead to or make breakthroughs in breast cancer. The critical components of this award mechanism are: Impact: Research supported by the Breakthrough Award will have the potential for a major impact and accelerate progress toward ending breast cancer. The impact may be near-term or long-term, but must be significant and move beyond an incremental advancement. Applications must articulate the pathway to making an impact for breast cancer patients, even if clinical impact is not an immediate outcome.

**Due Date:** 1/15/2014

**Funding:** \$13,100,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=240675>