

# THE STATE UNIVERSITY SYSTEM OF FLORIDA

## WASHINGTON E-UPDATE

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***Budget and Appropriations Update*** -- It took five weeks and filled 1,582 pages, but on January 16 Congress managed to achieve what seemed like an impossible task—crafting an omnibus spending bill that all 12 of the appropriations bills required to keep the government running.

The more than \$1 trillion spending package, which was signed by President Obama on January 17, came about as a result of a budget deal reached in December between House Budget Chairman Paul D. Ryan (R-WI) and his Senate counterpart Patty Murray (D-WA). Once that deal was struck, it freed up the House and Senate appropriations committees to negotiate compromise funding levels for each of the annual spending bills.

The measure falls within the \$1.012 trillion cap on discretionary spending set by last month's Bipartisan Budget Act, which rolled back a portion of the sequestration cuts announced in March 2013, and set new spending caps for defense and non-defense programs. It also includes an additional \$98 billion not subject to the cap, mostly for war spending and disaster relief. The measure's base funding provides a 2.6 percent increase in discretionary spending from the sequester-reduced level of FY 2013 and generally sidesteps contentious issues like the defunding of Obamacare.

Nearly as surprising as the overall deal itself is the fact that the omnibus includes detailed recommendations for heretofore contentious spending issues, like education, the environment and foreign aid, which are ordinarily the target of hard-line partisan bickering over money and policy.

House appropriations chairman Rep. Hal Rogers (R-KY) said, "The Omnibus will fulfill the basic duty of Congress; it provides funding for every aspect of the federal government, from our national defense, to our transportation systems, to the education of our kids." Rogers added, "The bill reflects careful decisions to realign the nation's funding priorities and target precious tax dollars to important programs where they are needed the most. At the same time, the legislation will continue the downward trend in federal spending to put our nation on a sustainable fiscal path."

Under that new law, discretionary caps for FY 2014 are increased by \$45 billion, divided equally between defense and non-defense programs, rolling back about half the scheduled FY 2014 discretionary sequester. In addition, the measure boosts spending caps for FY 2015 by \$18 billion.

The omnibus bill funds the government for the remaining 8 ½ months of FY 2014, thereby avoiding another government shutdown or the flat funding that comes with a full-year continuing resolution.

### ***Fiscal 2015 process***

Congress is now gearing up for the Fiscal 2015 appropriations process. The Administration’s Office of Management and Budget has acknowledged that release of the FY 2015 budget request will be delayed one month until March 4. Agency hearings will begin around that time. The Appropriations Committee chairs in the House and Senate have indicated they may try to reach an early agreement on setting the individual allocations for each subcommittee since the overall amount to be appropriated is already established by the Bipartisan Budget Act. This could help smooth the end of year process to conference the individual bills. With the coming fall Congressional elections, another “lame duck” session is likely in November and December.

## **Science agency funding in the FY 2014 Omnibus**

*Figures are in thousands of dollars of new budget authority and include mandatory programs*

	<b>Fiscal 2013 enacted appropriations</b>	<b>Fiscal 2014 Obama request</b>	<b>House committee report</b>	<b>Senate committee report</b>	<b>Fiscal 2014 Omnibus</b>
National Oceanic and Atmospheric Administration	5,330,197	5,439,738	4,915,547	5,589,738	5,314,606
National Institute of Standards and Technology	808,704	928,292	784,038	947,547	850,000
NASA	17,541,730	17,715,395	16,598,300	18,010,300	17,646,500
National Science Foundation	7,254,331	7,625,780	6,995,120	7,425,890	7,171,918
Office of Science and Technology Policy	5,740	5,658	5,453	5,658	5,555
National Institute of Food and Agriculture	1,204,914	1,288,306	1,208,862	1,277,510	1,277,067
Agricultural Research Service	1,074,163	1,279,003	1,074,163	1,123,150	1,122,482
National Institutes of Health	30,639,649	31,093,776	-----	30,946,776	29,926,104
DOE Science	4,876,000	5,152,752	4,653,000	5,152,752	5,071,000
Renewable energy, energy reliability and efficiency	1,953,591	2,944,715	982,637	2,430,000	2,048,992
Advanced Research Projects Agency-Energy	265,000	379,000	50,000	379,000	280,000

## Research agency budgets set in Fiscal 2014 spending bill

With enactment of the omnibus appropriations bill, the Federal science agencies now have final budgets for Fiscal 2014 which runs through September 30. Along with funding levels, Congress provided many agencies with policy directives and requirements for new reports. Following are highlights of the agencies key to the SUS:

**Agriculture Department – Citrus Greening** -- The legislation includes \$821.7 million – equal to the fiscal year 2013 enacted level – for the Animal and Plant Health Inspection Service (APHIS). In addition to base funding, the bill provides APHIS with one-time funding of \$20 million to fight citrus greening, the prominent disease threatening the \$13 billion citrus industry.

- Agricultural Research – The bill provides \$2.6 billion for agriculture research programs, including the Agricultural Research Service which receives \$1.1 billion along with Congressional direction to maintain extramural research and prohibit closure of six research locations.
- The National Institute of Food and Agriculture is funded at \$772.5 million, including \$316 million for the Agriculture and Food Research Initiative, the nation's premiere competitive agricultural research grant program. This funding supports research to help stop and mitigate crop diseases, and improve food safety and water quality, placing priority on drought, invasive species, and herbicide resistance issues. The bill also maintains investments in the nation's land-grant colleges and universities.
- Hatch Act is funded at \$243.7 million;
- Smith-Lever, Section 3(b) and (c) programs and Cooperative Extension receives \$300 million;
- McIntire-Stennis Cooperative Forestry Act funded at \$33.9 million;
- Sustainable Agriculture Research and Education receives \$22.6 million;
- Aquaculture Research receives \$1.35 million.

**Centers for Disease Control and Prevention** – The legislation includes a program level of \$6.9 billion for the CDC, \$567 million above the fiscal year 2013 program level. This includes:

- \$30 million to support the Advanced Molecular Detection initiative to enhance CDC's ability to find and stop deadly infectious disease outbreaks;
- \$160 million for the Preventive Health & Health Services Block Grant for states;
- \$1.3 billion for Public Health Preparedness and Response to help ensure the readiness of the Strategic National Stockpile, and provide resources for State and Local Preparedness programs;
- Academic Centers for Public Health Preparedness receives \$8 million;
- \$113 million for Public Health Leadership and Support;
- \$255 million, \$5 million above the President's request, for Project BioShield to support biodefense efforts.

**Energy Department** – The bill provides \$10.2 billion for energy programs – a \$620 million increase above the fiscal year 2013 enacted level – to advance the nation’s goal of an “all-of-the-above” solution to energy independence. This includes: \$562 million for research and development to advance coal, natural gas, oil, and other fossil energy technologies, an increase of \$28 million (5.3%) above the 2013 enacted level; \$889 million for nuclear energy research and development, an increase of \$36 million (5%) above the 2013 level; and \$1.9 billion for energy efficiency and renewable energy programs.

- Office of Science – The bill includes \$5.1 billion for science research, an increase of \$195 million (4%) above the fiscal year 2013 enacted level.
- Advanced Research Projects Agency-Energy receives \$280 million.
- Workforce Development for Teachers and Scientists--The agreement provides \$26.5 million, including an additional \$10 million to support STEM programs that were proposed to be terminated in association with the Administration's interagency STEM consolidation plan.
- Basic Energy Science -- The agreement includes \$24.2 million for the fifth year of the Fuels from Sunlight Innovation Hub, \$24.2 million for the second year of the Batteries and Energy Storage Innovation Hub, \$10 million for the Experimental Program to Stimulate Competitive Research, and up to \$100 million for Energy Frontier Research Centers. For scientific user facilities, the agreement provides \$45 million for major items of equipment, to include \$20 million for the Advanced Photon Source Upgrade.
- Biological and Environmental Research -- The bill provides \$75 million for the second year of the second five-year term of the three BioEnergy Research Centers, \$5 million to continue nuclear medicine research with human applications, and \$500,000 for the department to engage universities more directly in climate analysis.
- Fusion Energy Sciences are funded at \$305,677,000.

**Environmental Protection Agency** – The bill provides \$8.2 billion for the EPA, which is \$143 million below the fiscal year 2013 enacted level.

**Food and Drug Administration** – The FDA receives a total of almost \$2.6 billion in the bill, an increase of \$91 million above the fiscal year 2013 enacted level. Total funding for the FDA, including revenue from user fees, is \$4.4 billion. In addition to these amounts, the bill provides \$85 million to restore the loss of funds due to OMB’s sequester of FDA user fees.

**National Aeronautics and Space Administration** – NASA is funded at \$17.6 billion in the bill, an increase of \$120 million above the fiscal year 2013 enacted level. Within this total, \$4.1 billion is provided for Exploration, including funding to keep NASA on schedule for upcoming Multi-Purpose Crew Vehicle and Space Launch System flight program milestones.

- \$5.1 billion is provided for Science programs. Language is included on Earth Science, the Deep Space Climate Observatory and sensors on the JPSS. \$130 million is provided for Planetary research, \$40.5 million for Near Earth Object Observation, \$285 million for Discovery, \$258 million for New Frontiers, \$288 million for Mars exploration and \$159 million for Outer Planets.
- Education programs receive \$116 million.

**National Oceanic and Atmospheric Administration** – The legislation provides \$5.3 billion for NOAA, which is \$310 million above the fiscal year 2013 enacted level.

- The National Ocean Service receives \$471 million for operations, research and facilities. Language is included to stage a National Academy of Sciences review of the ocean and coastal data systems following a GAO review.
- Navigation, Observations and Positioning --The agreement includes the full funding for the Navigation Response Teams and \$4 million for competitive geospatial modeling grants. The agreement includes language requiring NOAA to provide a report on the establishment of two additional joint ocean and coastal mapping centers.
- Oceanic and Atmospheric Research receives \$416 million.
- National Marine Fisheries Service receives \$812.5 million for operations, research, and facilities. Language supports the Electronic logbooks cooperative research project. The agreement reiterates that NOAA shall maintain full funding for the continued installation of electronic logbooks and monitoring systems, as part of an integrated at sea monitoring program to serve as an alternative to observers for vessels carrying such electronic monitoring systems.
- National Sea Grant College Program --The bill provides a maximum of \$1 million for the new Sea Grant Grand Challenge and stipulates that funding be provided for marine aquaculture research separate from the National Sea Grant College Program. NOAA also receives direction in the bill on competitively supporting external research efforts. The bill also does not adopt the administration's request to eliminate National Sea Grant College fellowship programs.
- National Weather Service receives \$953.6 million for operations, research, and facilities.
- Ocean Education programs receive \$5.6 million.
- NOAA weather satellites --The bill provides the full requested amounts for NOAA's flagship weather satellites, including the Geostationary Operational Environmental Satellite-R (GOES-R) program and the Joint Polar Satellite System (JPSS).

**National Institutes of Health** – NIH receives \$29.9 billion, \$1 billion (3.5%) above the fiscal year 2013 level and \$100 million less than fiscal 2013 enacted. Increases are spread relatively proportionately among individual Institutes and Centers. This funding will continue support for basic bio-medical research and translational research through the programs like the Clinical and Translational Science Awards (CTSA). Alzheimer's Disease research receives an \$80 million increase and the bill contains support for the Big Data and BRAIN Initiatives. Reports on a number of administrative issues are

requested. STEM programs, like the Science Education and Partnership Awards, are supported.

**National Institute of Standards and Technology** – NIST is funded at \$850 million, \$41 million above the fiscal year 2013 enacted level. Within this total, \$651 million supports core research activities including a \$5 million increase for cybersecurity research. The bill provides \$1 million for disaster resilience research, \$4 million for the National Initiative for Cybersecurity Education program; and up to \$5 million to maintain current forensic measurement activities.

- Centers of Excellence --\$15 million is provided to establish and operate centers of excellence on a competitive basis, and NIST is encouraged to establish a center focused on forensic measurement science, technology, and standards, and a center on advanced manufacturing competitiveness and commercialization technology in carbon nanomanufacturing. \$15 million is included for the National Cybersecurity Center of Excellence.
- National Strategy for Trusted Identities in Cyberspace (NSTIC) --The bill includes \$16.5 million to maintain the current operating level for NSTIC.

**National Science Foundation** – The bill provides \$7.2 billion, a decrease of \$82 million below the fiscal year 2013 enacted level. This amount is \$4 billion less than the President requested in his budget for the year.

- Research and Related Activities receives \$5.8 billion, including funding for the International Ocean Discovery Program;
- Education and Human Resources receives \$846.5 million
- Major Research Equipment receives \$200 million.
- STEM programs receive \$55 million.
- Hispanic serving -- The bill directs NSF to report on efforts to meet the needs of Hispanic serving universities through existing assistance programs, and asks the agency to consider establishing specific programs for institutions serving Hispanics.

**Office of Science and Technology Policy** -- The major STEM education reorganization proposed by the Administration is denied. The bill says Congress is supportive of attempts to improve efficiency and effectiveness in Federal STEM education programs but the proposed reorganization of these programs contained in the budget request was incomplete, lacked sufficient detail and an implementation plan, and had no “buy-in” from the education community. As a result all preexisting STEM activities are funded in their current existing programmatic structures. Congress directed OSTP to reexamine other possible reorganizations of Federal STEM programs for consideration in a future fiscal year after engaging in an inclusive development process involving the interagency community and major external stakeholders and taking into consideration evaluations and other evidence of program success.

- **Public access to research findings** – An OSTP proposal to extend public access to all federally funded research was supported by language in the report. In February 2013, OSTP directed each major federal research agency to develop a plan to increase open access to the results of their federally funded research.

- Language in the Labor-HHS-Education title of the bill directs all research agencies with more than \$100 million in research funding to develop public access policies similar to that used by the NIH.

## **Higher education and student aid in the omnibus**

The FY14 omnibus bill included funding for higher education and financial aid programs, including provisions that will result in a maximum Pell grant estimated to be \$5,730, an \$85 increase.

The Fund for the Improvement of Postsecondary Education (FIPSE) received \$79.4 million, including \$75 million for the “First in the World” initiative, to provide grants to colleges and universities to help implement innovative strategies and practices shown to be effective in improving educational outcomes and making college more affordable for students and families.

The agreement will set aside up to \$20 million for minority serving institutions to improve their students' persistence and completion rates while keeping costs under control. The agreement expects the Department to prioritize applications that target innovative strategies at low-income students.

Federal work study received a \$49 million increase to a level of \$974 million and it includes \$8.3 million for the Work Colleges. TRIO programs will receive a \$42 million increase to \$832 million nationally. GEAR UP received a \$15 million increase to a level of \$301 million. International education and foreign language studies total \$72 million, an increase of \$2 million over last year.

## **House set to approve in-state tuition for vets on GI Bill at public universities**

The House of Representatives is expected to pass legislation this evening (Feb. 2) that would give veterans attending public universities under the GI Bill in-state tuition rates beginning July 2016.

*The GI Bill Tuition Fairness Act of 2013 (H.R. 357)* is sponsored by Rep. Jeff Miller of Florida, Chairman of the Veteran’s Affairs Committee, and cosponsored by five other Representatives from Florida – Gus Bilirakis, Lois Frankel, Richard Nugent, Dennis Ross and Frederica Wilson. The bill will be brought to the House floor under “suspension of the rules,” a process used for non-controversial legislation that requires a two-thirds vote to pass but is almost always successful.

In administering the GI Bill benefits, the legislation would direct the VA to disapprove courses of education provided by a public university that does not charge tuition and fees for veterans at the same rate that is charged for in-state residents, regardless of

the veteran's state of residence. The VA would also have waiver authority for special circumstances, for instance if a student veteran is called up for service while enrolled and attending school. The measure also carries a number of other provisions related to job training, homeless veterans and housing. To read the bill, click [here](#).

The House action will turn attention to the Senate where last year Senator Bill Nelson introduced a similar bill, S 257.

## **Transportation reauthorization with university centers research program up for renewal in 2014**

The current surface transportation authorization will expire at the end of September and, if history is a guide, there may be a short-term extension or two in store before a permanent bill is written to replace it. The bill is often contentious in Congress due to the amounts of funding involved and the current inability to include state-based earmark projects to help build support. The current 27-month long Surface Transportation Extension Act of 2012 (*HR 4348*) cleared Congress on June 29, 2012, after nine extensions dating to September 2009.

The bill is important for the SUS because it provides transportation research funding through a number of provisions, including the \$72.5 million University Transportation Centers (UTC) program. Nationally the program supports three types of centers with funding shared among partners on each. There are:

- 5 "National" Centers –each receiving \$2.8 million;
- 10 "Regional" Centers – each receiving \$2.59 million; and
- 20 "Tier I" Centers – each receiving \$1.4 million.

A growing number of SUS institutions have nationally recognized strengths in transportation research, are highly competitive, and have current or past UTC grants.

Following the most recent UTC competition last year, six SUS universities are involved in 12 different grant partnerships nationally. The following institutions were selected for grant funding under that competition:

- **FIU** – leads a Tier 1 Center on the State of Good Repair (\$1.4 million), and is a partner on a Tier 1 Center on Livable Communities.
- **FSU** – leads a Tier 1 Center (\$1.4 million) on Safety.
- **FAMU** – partners on the FSU Tier 1 Center on Safety.
- **UCF** – leads a Tier 1 Center on Environmental Sustainability (\$1.4 million) and is a partner on another Tier 1 Center on Safety, and a partner in a Region 4 Regional Center.
- **USF** -- leads a Livable Communities Tier 1 Center (\$1.4 million) and is also a partner on the National Tier I center for Livable Communities, and partners on



another Tier 1 Center on the State of Good Repair, and a Regional Center for Region 4.

- **UNF** – partners on the FSU Tier 1 Center on Safety.
- **UF** -- also has a history of previous UTC Center funding.

## **Farm bill to provide \$125 million in citrus greening research funds**

Citrus greening research efforts received a boost in the farm bill conference legislation passed by the House January 29.

The 5-year farm bill, which now moves to the Senate, contains provisions for \$125 million in new citrus greening research – a program that was developed, negotiated and supported by many members of the Florida delegation in both chambers.

The legislation, H.R. 2642, would establish the Emergency Citrus Disease Research and Extension Program providing \$25 million per year over five years. The bill creates the research program dedicated to “discovering or developing a cure or effective treatment for citrus greening and any other diseases and pests, domestic or invasive, that emerge to threaten the U.S. citrus producing and processing industry.”

The measure also establishes a “Citrus Disease Subcommittee” within the Department of Agriculture’s specialty crops committee to advise the Department on research, extension and development issues and needs. Nine members will be selected from the producer community; five are designated in the bill to be from Florida. Sections 7103 and 7106 incorporate these provisions. To read the bill or accompanying report click here: [bill](#) or [report](#). As mentioned earlier, the FY14 omnibus also includes an additional \$20 million in appropriations this year for citrus greening research.

## **Decline in NIH grants found in newly released data**

The number of research grants awarded by NIH in fiscal 2013 fell to the lowest level in 15 years, according to an analysis by the Federation of American Societies for Experimental Biology (FASEB) of newly-released data. Saying that “for biomedical research, 2013 was a terrible year to have a great idea,” FASEB’s analysis shows the effect of budget sequestration and found:

In constant dollars (adjusted for inflation) the NIH budget in FY 2013 was \$6 billion less (22.4 percent) than it was in FY 2003;

- Last year NIH issued 8,283 competing research project grants (RPGs) , 20.3 percent fewer than the agency awarded in FY 2003;
- The number of awards for R01-equivalent grants, the primary mechanism for supporting investigator-initiated research “declined precipitously.” NIH made 4,902 R01 awards in 2013, 2,528 or 34 percent fewer than in 2003. To read the analysis and view tables, click [here](#).

## **Senate bill would alter higher education accreditation**

Senator Mike Lee (R-UT) introduced S.1904 on January 9 that would change accreditation of higher education and give states the ability to develop their own accreditation systems and cover nontraditional learning – and allow federal financial aid coverage.

The existing accreditation process would remain in effect under The Higher Education Reform and Opportunity (HERO) Act, and states would be required to develop an agreement with the Education Department to implement their plans.

A process would have to be established for credit transfers, accreditation decision appeals, standards and reporting. Senator Lee is not a member of the Senate HELP Committee which is expected to develop a new Higher Education Act reauthorization this year but the issue of accreditation and nontraditional learning is certain to under consideration. To read a fact sheet on the bill's concepts, click [here](#).

## **House hearing looks at private sector STEM education programs**

STEM programs for students sponsored by private industry and philanthropic organizations were highlighted in a hearing January 9 by the Research and Technology Subcommittee of the House Science, Space, and Technology Committee.

Subcommittee Chairman Larry Buschon (R-IN) and Ranking Member Daniel Lipinski (D-IL) discussed the need to invest in federal STEM education programs. They pointed out that over the past decade the number of students entering STEM careers has dropped dramatically while the number of positions in the workforce has increased. Annually, the federal government invests \$3 billion across several agencies in STEM education. Buschon explained that he hoped the hearing would help in thinking about how private sector efforts and federal programs could be leveraged to complement each other.

Two panels addressed the hearing. The first discussed individual private sector programs and the second, a group of high school teachers from the Washington, D.C. area, reviewed their experience with various programs. The first panel consisted of:

- Dean Kamen, Founder, For Inspiration and Recognition of Science and Technology (FIRST), Founder and President, DEKA Research & Development Corporation
- Hadi Partovi, Co-founder and CEO, Code.org
- Kemi Jona, Director, Office of STEM Education Partnerships, Research Professor, Learning Sciences and Computer Sciences, Northwestern University
- Phillip Cornwell, Vice President for Academic Affairs, Professor of Mechanical Engineering, Rose-Hulman Institute of Technology

A veteran of Amazon, Google and Facebook, Hadi Partovi founded Code.org to make coding more accessible to students at younger ages and to focus on computer science for students in high schools – 90 percent of which he said do not offer coding classes. He said that computer science jobs make up over half of the open STEM positions in

the nation. Over the next decade, he said, 1.4 million new computer science jobs will open up but only 400,000 students will graduate with a degree in computer science, leaving a massive gap for industry to fill.

Partovi added that in December alone, 17 million students across the country participated in his “Hour of Code” online activity, learning the basics of computer programming in a fun, interactive way. This level of participation, he said, proves that students at any grade level can begin to learn code. And he argued that with the world continuing to be more and more reliant on computers, a basic understanding of how to write code should be part of all school curriculums.

Other panelists covered experiences with university outreach to local schools, the “Homework hotline” and “Operation Catapult” for high school students, and the FIRST program sponsoring after school activities for grades K to 12.

To read the background charter for the hearing, the testimony or view the video, click [here](#).

### **Three new NIH programs open to support biomedical workforce diversity; applications due March 18**

NIH has released three new funding announcements to develop approaches to engage researchers, especially from backgrounds underrepresented in biomedical sciences, and prepare them to thrive in NIH-funded research careers.

The funding through the Enhancing the Diversity of the NIH-Funded Workforce program will establish a national consortium to develop, implement, and evaluate approaches to encourage individuals to start and stay in biomedical research careers.

The diversity program is backed by the NIH Common Fund, which supports programs with the potential to dramatically affect biomedical research by achieving a set of high impact goals within a defined time frame. The programs will establish a consortium of awardees from the following three integrated initiatives:

- The National Research Mentoring Network (NRMN) <<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-13-017.html>>: The NRMN will be a nationwide network of mentors and mentees spanning all disciplines relevant to the NIH mission.
- Building Infrastructure Leading to Diversity (BUILD) <<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-13-016.html>>: BUILD will provide support for relatively under-resourced institutions with high concentrations of students from disadvantaged backgrounds to implement transformative approaches to the training of students to undertake biomedical and behavioral research.
- The Coordination and Evaluation Center (CEC) <<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-13-015.html>>: CEC will coordinate consortium-wide activities and assess efficacy of the training and mentoring approaches developed by the BUILD and NRMN awardees.

NIH anticipates funding up to 10 BUILD primary institutions, one NRMN and one CEC. Applications are due March 18, 2014, with awards to be announced in September 2014. For more info, click [here](#).

## **NIST research grants available for universities**

Two grant programs by the National Institute of Standards and Technology are currently seeking applications from universities and have deadlines approaching.

The NIST Summer Undergraduate Research Fellowship (SURF) program provides an opportunity for undergraduate students to spend a summer working with NIST research staff on projects in a wide variety of disciplines at either the main NIST laboratories in Gaithersburg, Md., or its laboratories in Boulder, Colo. Applications are made on behalf of the students by their academic institutions. Applications are due by Feb. 14. Full details of the program are available [here](#).

Since 1970, NIST has sponsored its Precision Measurement Grants Program (PMGP). Awarded primarily to researchers at universities and colleges, the grants enable them to conduct significant research in the field of fundamental measurement or the determination of more precise values for fundamental constants of nature. NIST sponsors these research projects primarily to encourage basic, measurement-related research in universities. Applications are due May 6. Program details are available [here](#).

## **Highlights of competitive grant opportunities at federal agencies**

**Agency:** Department of Agriculture  
National Institute of Food and Agriculture

**Program:** Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge Grants Program

**Description:** The Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge Grants (SPECA) program seeks to: (a) promote and strengthen secondary education and two-year postsecondary education in agriscience and agribusiness in order to help ensure the existence in the United States of a qualified workforce to serve the food and agricultural sciences system; and (b) promote complementary and synergistic linkages among secondary, two-year postsecondary, and higher education programs in the food and agricultural sciences in order to advance excellence in education and encourage more young Americans to pursue and complete a baccalaureate or higher degree in the food and agricultural sciences.

**Due Date:** 4/3/2014

**Funding:** Total Funding: \$900,000; Award Ceiling: \$300,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250376>

**Agency:** Department of Agriculture  
National Institute of Food and Agriculture

**Program:** Higher Education Challenge Grants Program

**Description:** Projects supported by the Higher Education Challenge Grants Program will: (1) address a State, regional, national, or international educational need; (2) involve a creative or non-traditional approach toward addressing that need that can serve as a model to others; (3) encourage and facilitate better working relationships in the university science and education community, as well as between universities and the private sector, to enhance program quality and supplement available resources; and (4) result in benefits that will likely transcend the project duration and USDA support.

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

**Funding:** Total Funding: \$4,770,000; Award Ceiling: \$750,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250374>

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

**Program:** Folded Non-Natural Polymers with Biological Function (Fold F(x))

**Description:** The DARPA Fold F(x) program objective is to develop processes enabling the rapid synthesis, screening, sequencing and scale-up of folded, non-natural, sequence-defined polymers with expanded functionality. The program will specifically address the development of non-natural affinity reagents that can bind and respond to a selected target, as well as catalytic systems that can either synthesize or degrade a desired target. DARPA anticipates that successful efforts will include (1) novel synthetic approaches that yield large libraries (>10<sup>9</sup> members) of non-natural sequence-defined polymers; (2) flexible screening strategies that enable the selection of high affinity/specificity binders and high activity/selectivity catalysts from the non-natural libraries; (3) demonstration that the screening approach can rapidly (<4 days) yield affinity reagents or catalysts against targets of interest to the DoD; and (4) demonstration of scalability and transferability to the DoD scientific community.

**Due Date:** 4/3/2014

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249776>

**Agency:** Department of Defense  
Engineer Research and Development Center

**Program:** Science, Technology, Engineering

**Description:** The U.S. Army Engineer Research and Development Center (ERDC) seeks proposals under authority of the National Defense Education Act (1959) and under the Pre-Engineering Program (PEP) to stimulate young pupils in the sciences, technology, engineering and mathematics (STEM).

**Due Date:** 1/31/2015

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250248>

**Agency:** Department of Defense

**Program:** Kabul Polytechnic University Initiative

**Description:** The Task Force for Business and Stability Operations in Afghanistan (TFBSO) was formed in 2010 with a mission to create economic opportunities for the people of Afghanistan. TFBSO's goal is to create stabilization through economic development by encouraging investment, developing its natural resources, and assisting industrial development and agricultural revitalization. TFBSO proposes to fund an Academic Development Initiative with two to three qualified U.S. universities and the Kabul Polytechnic University (KPU) in Kabul, Afghanistan. The funds will be in the form of a grant. KPU graduates roughly 3,500 students per year. These graduates will have the opportunity to use their education to obtain jobs in the rapidly growing mineral and hydrocarbon sectors in Afghanistan. This initiative looks to partner with two to three U.S. universities, one of which will have experience in developing a geology and mining curriculum or similar programs customized for countries with newly developing mineral and hydrocarbon industries. A program will be developed to offer state-of-the-art training to KPU faculty who teach geology- and mining-related courses. New information acquired during the training will be incorporated into the courses taught at KPU to enhance the quality of the students' education.

**Due Date:** 2/8/2014

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249857>

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

**Program:** Geothermal Play Fairway Analysis

**Description:** Reducing risk through improved drilling success rates is critical to securing financing and ultimately lowering overall costs for developing geothermal power projects. This success hinges on knowledge of the geological, geophysical, and geochemical characteristics that indicate geothermal favorability; along with improved coverage of data that are signatures of the key properties of temperature, permeability, and fluid. To this end, GTO is interested in projects that apply innovative exploration technologies to collect new data and/or apply new analysis methods to extract new value from data. Successful applications will focus on one of the regions identified in GTO's Data Gap Analysis, and include a significant component of uncertainty analysis that directly demonstrates potential or real impact on success rates.

**Due Date:** 4/11/2014

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250396>

**Agency:** Department of Energy  
National Energy Technology Laboratory

**Program:** Vehicles Technologies Incubator

**Description:** The DOE Office of Energy Efficiency and Renewable Energy or EERE are focused on achieving aggressive and well defined mid to long term clean energy goals for the nation. In that context, EERE has established multiyear plans and roadmaps. EERE focuses the majority of its resources on a limited number of approaches to ensure that the program initiatives are supported at a critical mass both in terms of dollars and time for maximum impact. To enhance the responsiveness of the roadmap approach, EERE is issuing Incubator Funding Opportunity Announcements within its existing Offices and programs to support innovative technologies and solutions that could help meet existing goals but are not represented in a significant way in the Offices existing Multi Year Program Plans or MYPPs or current portfolios. The Incubator programs will allow EERE to assess new technologies for their potential to be used in the future.

**Due Date:** 2/28/2014

**Funding:** Total Funding: \$10,000,000; Award Ceiling: \$2,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250086>

**Agency:** Department of Health and Human Services  
Food & Drug Administration

**Program:** The Use of Polyethylene Glycol in the Pediatric Population (R01)

**Description:** The purpose of the proposed study is to better understand the extent of pediatric absorption of low molecular weight species that may be found in PEG 3350 products (e.g., ethylene and diethylene glycol). PEG 3350 products are used in the treatment of constipation. These low molecular weight species may be absorbed by children taking PEG 3350 products, potentially leading to adverse events. This is an important first step needed to begin to understand if PEG 3350 use contributes to adverse events in children due to the absorption of these species.

**Due Date:** 2/28/2014

**Funding:** \$225,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250023>

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

**Program:** Service Area Competition - Additional Area (SAC-AA) &quest; DC, FL, GA, ID, IL, KS, MO, MT, NY, OR, PA

**Description:** The Health Resources and Services Administration (HRSA) administers the Health Center Program as authorized by section 330 of the Public Health Service Act. 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. In 2012, more than 21 million patients, including medically underserved and uninsured patients, received comprehensive, culturally competent, quality primary health care services through the Health Center Program. This announcement solicits applications for the Health Center Program's Service Area Competition-Additional Area.



**Due Date:** 2/19/2014

**Funding:** \$8,677,784

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250090>

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

**Program:** NIH Directors Biomedical Research Workforce Innovation Award:  
Broadening Experiences in Scientific Training (BEST) (DP7)

**Description:** The purpose of this program is to seek out, identify and support bold and innovative approaches designed to broaden graduate and postdoctoral training, such that training programs reflect the range of career options that Ph.D. graduate students and postdoctoral (regardless of funding source) pursue and that are required for a robust biomedical, behavioral, social and clinical research enterprise. Collaborations with non-academic partners are encouraged to ensure that experts from a broad spectrum of research-intensive and research-related careers contribute to coursework, rotations, internships or other forms of exposure. This program will establish a new paradigm for graduate and postdoctoral training; awardee institutions will work together to define needs and share best practices.

**Due Date:** 3/31/2014

**Funding:** Total Funding: \$3,000,000; Award Ceiling: \$250,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250155>

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

**Program:** Courses for Skills Development in Biomedical Big Data Science (R25)

**Description:** The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The goal of this Big Data to Knowledge (BD2K) Program is to support educational activities that complement and/or enhance the training of a workforce to meet the nations biomedical, behavioral and clinical research needs in Big Data Science.

**Due Date:** 4/1/2016

**Funding:** Total Funding: \$700,000; Award Ceiling: \$150,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250080>

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

**Program:** Open Educational Resources for Biomedical Big Data (R25)

**Description:** The NIH Research Education Program supports research education activities in the mission areas of the NIH. The goal of this funding opportunity announcement is to complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral, and clinical research needs in utilizing 'Big Data.'

**Due Date:** 4/1/2016

**Funding:** Total Funding: \$1,000,000; Award Ceiling: \$200,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250081>

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

**Program:** Alzheimer's Disease Research Centers (P50)

**Description:** This announcement invites applications from qualified institutions for support of Alzheimer's Disease Research Centers (ADRCs). These centers are designed to support and conduct research on Alzheimer's disease (AD), to serve as shared research resources that will facilitate research in AD and related disorders, distinguish them from the processes of normal brain aging and mild cognitive impairment, provide a platform for training, collect biospecimens useful for clinical research, develop novel techniques and methodologies, and translate these research findings into better diagnostic, prevention, treatment and care strategies.

**Due Date:** 5/14/2014

**Funding:** Total Funding: \$24,000,000; Award Ceiling: \$1,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250076>

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

**Program:** Alzheimer's Disease Core Centers (P30)

**Description:** This announcement invites applications from qualified institutions for support of Alzheimer's Disease Core Centers (ADCCs). These centers are designed to support and conduct research on Alzheimer's disease (AD), to serve as shared research resources that will facilitate research in AD and related disorders, distinguish them from the processes of normal brain aging and mild cognitive impairment, provide a platform for training,

develop novel techniques and methodologies, and translate these research findings into better diagnostic, prevention and treatment strategies.

**Due Date:** 5/14/2014

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

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250078>

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

**Program:** Mentored Career Development Award in Biomedical Big Data Science for Clinicians and Doctorally Prepared Scientists (K01)

**Description:** In response to the spectacular opportunities and immense challenges presented by the dawning era of Big Data in biomedical research, the NIH has developed the Big Data to Knowledge (BD2K) initiative. The mission of BD2K is to enable the biomedical research community to use the various types of Big Data for research. To address the growing need for skilled researchers to fully utilize biomedical Big Data, a series of BD2K grant announcements have been designed 1) to develop a sufficient cadre of researchers skilled in the science of Big Data and 2) to elevate general competencies in data usage and analysis across the biomedical research workforce.

**Due Date:** 4/1/2015

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

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250040>

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

**Program:** Shared Instrumentation Grant Program (S10)

**Description:** The Shared Instrument Grant (SIG) program encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instrumentation or an integrated system that costs at least \$100,000. The maximum award is \$600,000. Types of instruments supported include, but are not limited to, confocal and electron microscopes, biomedical imagers, mass spectrometers, DNA sequencers, biosensors, cell-sorters, X-ray diffraction systems, and nuclear magnetic resonance (NMR) spectrometers among others.

**Due Date:** 3/21/2014

**Funding:** \$40,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250037>

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

**Program:** Cystic Fibrosis Research and Translation Core Center (P30)

**Description:** This announcement invites applications for Cystic Fibrosis (CF) Research and Translation Core Centers. CF Research and Translation Core Centers are designed to support both basic and clinical research on Cystic Fibrosis. CF Research and Translation Core Centers support three primary research-related activities: Research Core services; a Pilot and Feasibility program; and an Administrative Core with an enrichment program. Core Centers provide shared resources to support research to develop and test new therapies for CF and to foster collaborations among institutions with a strong existing research base in CF. The NIDDK currently supports five CF Research and Translation Centers located at institutions with documented programs of research excellence in basic and clinical CF Research. Information about the currently funded CF Research and Translation Centers may be found at <http://www3.niddk.nih.gov/centers/all.shtml>

**Due Date:** 6/18/2014

**Funding:** Total Funding: \$6,000,000; Award Ceiling: \$750,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250018>

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

**Program:** Neurobiology of Migraine (R01)

**Description:** This announcement is issued by the National Institute of Neurological Disorders and Stroke in conjunction with the NIH Pain Consortium. It solicits grant applications from institutions/organizations to perform innovative research that will elucidate the mechanisms underlying migraine, expand our current knowledge of the role of genetic, physiological, biopsychosocial, and environmental influences in migraine susceptibility and progression, and explore new therapeutic targets and therapies for acute migraine management and longer term prevention.

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

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249976>

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

**Program:** Neurobiology of Migraine (R21)

**Description:** This announcement is issued by the National Institute of Neurological Disorders and Stroke in conjunction with the NIH Pain Consortium. It solicits grant applications from institutions/organizations to perform innovative research that will elucidate the mechanisms underlying migraine, expand our current knowledge of the role of genetic, physiological, biopsychosocial, and environmental influences in migraine susceptibility and progression, and explore new therapeutic targets and therapies for acute migraine management and longer term prevention.

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

**Funding:** \$200,000 per award

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249977>

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

**Program:** Centers of Excellence in Self-Management: Building Research Teams for the Future (P20)

**Description:** This announcement invites applications to establish Centers of Excellence for Self-Management Research: Building Research Teams for the Future (P20). The purpose of the program is to enhance interdisciplinary, biobehavioral research for scientists conducting self-management research by enabling development of a sustainable research infrastructure and centralized resources in support of research programs in various science areas. The purpose of the P20 Center is to: (1) develop new and a potential sustainable interdisciplinary, biobehavioral research capacity for scientists conducting nursing research by establishing centralized research resources and a research infrastructure; (2) build the Centers thematic science area through complementary, synergistic research activities; and (3) begin to grow feasibility research that will develop into new research teams of the future and independent investigator research applications.

**Due Date:** 3/11/2014

**Funding:** Total Funding: \$2,100,000; Award Ceiling: \$300,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249895>

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

**Program:** Centers of Excellence in Self-Management Research (P30)

**Description:** This announcement invites applications to establish Centers of Excellence for Self-Management Research: Building Research Teams for the Future (P30). The purpose of the program is to enhance interdisciplinary, biobehavioral research for scientists conducting self-management research by enabling development of a sustainable research infrastructure and centralized resources in support of research programs in various science areas.

**Due Date:** 3/11/2014

**Funding:** Total Funding: \$2,100,000; Award Ceiling: \$480,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249896>

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

**Program:** Research Using Subjects From Selected Type I Diabetes Clinical Studies (Living Biobank) (DP3)

**Description:** This announcement invites applications for ancillary studies that use subjects enrolled in (or screened for participation in) the Type 1 Diabetes TrialNet clinical trials network, or for ancillary studies that use subjects enrolled in the Diabetes Control and Complications Trial (DCCT)/Epidemiology of Diabetes Interventions and Complications (EDIC). Studies are expected to generate scientific discoveries on disease mechanisms, disease pathogenic processes, and biomarkers of disease progression or clinical responses, or complications of type 1 diabetes. This FOA is not intended to fund clinical trials with endpoints for clinical efficacy (including but not limited to C-peptide preservation).

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

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

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249785>

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

**Program:** Research Using Biosamples From Selected Type 1 Diabetes Clinical Studies (DP3)

**Description:** This announcement invites applications for ancillary studies using archived samples from selected diabetes clinical trials and studies. Ancillary studies are expected to generate scientific discoveries on type 1 diabetes primary pathogenesis or the pathogenesis of complications, and biomarkers of disease progression or clinical responses to interventions.

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

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

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249789>

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

**Program:** Substance Use and Abuse, Risky Decision Making and HIV/AIDS (R03)

**Description:** This announcement is intended to stimulate model-driven research to understand the ways that people make decisions about engaging in behaviors that impact the risk of acquiring or transmitting HIV, or to adhere to treatments for HIV. Decision making processes may contribute to both substance use/abuse and other HIV acquisition or transmission risks. A better understanding of decision making processes in the context of brain neural networks and their associated functions would lead to the development of better strategies to reduce the frequency of HIV-risk behaviors. Therefore, this program encourages applications to study 1) cognitive, motivational or emotional mechanisms and/or 2) brain neuroendocrine and reinforcement systems that related to HIV-risk behaviors or treatment non-compliance. Interdisciplinary studies that incorporate approaches from psychology, economics, anthropology, sociology, decision sciences, neuroscience and computational modeling are encouraged.

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

**Funding:** \$100,000 per award

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249781>

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

**Program:** Substance Use and Abuse, Risky Decision Making and HIV/AIDS (R21)

**Description:** This announcement is intended to stimulate model-driven research to understand the ways that people make decisions about engaging in behaviors that impact the risk of acquiring or transmitting HIV, or to adhere to treatments for HIV. Decision making processes may contribute to both

substance use/abuse and other HIV acquisition or transmission risks. A better understanding of decision making processes in the context of brain neural networks and their associated functions would lead to the development of better strategies to reduce the frequency of HIV-risk behaviors. Therefore, this program encourages applications to study 1) cognitive, motivational or emotional mechanisms and/or 2) brain neuroendocrine and reinforcement systems that related to HIV-risk behaviors or treatment non-compliance. Interdisciplinary studies that incorporate approaches from psychology, economics, anthropology, sociology, decision sciences, neuroscience and computational modeling are encouraged.

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

**Funding:** \$200,000 per award

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249780>

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

**Program:** Research Centers for Pharmacogenomics in Precision Medicine (P50)

**Description:** The purpose of this announcement is to stimulate the formation of centers that will conduct cutting-edge research studies designed to push the boundaries for understanding and predicting therapeutic drug responses. The opportunity describes research centers that examine drug actions within the context of precision medicine, or data-driven prescribing. This program will support a limited number of large-scale multidisciplinary centers, each of which will serve as a national and international focal point. A center should be built around a tightly-focused theme and should represent innovative investigations at the forefront of understanding drug actions. The experimental approaches should go beyond pharmacogenomics, to include for example, examination of gene expression and regulation patterns, assessment of post-genomic modifications, other small-molecule signatures that contribute to the prediction of drug actions both therapeutic and adverse, and/or systems and pathway analysis.

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

**Funding:** \$1,750,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250378>

**Agency:** Department of Justice  
Bureau of Justice Assistance



**Program:** National Training and Technical Assistance: Intellectual Property Enforcement Program Protecting Public Health, Safety, and the Economy from Counterfeit Goods and Product Piracy

**Description:** The Intellectual Property Enforcement Program (IPEP), administered by BJA, is designed to provide national support and improve the capacity of state, local, and tribal criminal justice systems to address intellectual property criminal enforcement, including prosecution, prevention, training, and technical assistance. The purpose of this FY 2014 competitive funding announcement is to select a provider to deliver, nationwide, a wide range of training and technical assistance (TTA) services to law enforcement agencies participating in the IPEP. These services include, but are not limited to, training sessions and educational sessions developed and conducted by relevant subject matter experts, as well as onsite or remote guidance on matters relevant to the purposes of the IPEP program. The selected TTA provider will assist current BJA-funded IPEP grantees to more effectively address IP theft within their jurisdictions and across jurisdictions through multijurisdictional task forces. In addition, they will assist in the coordination of state and local task force activities with those of the U.S. Department of Justice's Criminal Division, U.S. Attorneys' Offices, the National Intellectual Property Rights Coordination Center, and other relevant federal agencies. The TTA provider will also deliver general Intellectual property (IP) theft awareness training to the law enforcement community.

**Due Date:** 3/17/2014

**Funding:** \$750,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250014>

**Agency:** Department of Justice  
Bureau of Justice Assistance

**Program:** National Initiatives: Law Enforcement and Missing Persons with Alzheimer's Disease

**Description:** This FY 2014 grant announcement focuses on national programs strategically targeted to address community and law enforcement needs. Specifically, this grant announcement focuses on developing community partnerships to assist law enforcement in locating and working with missing persons with Alzheimer's disease and related dementias. This initiative is funded under the Missing Alzheimer's Disease Patient Assistance Program.

**Due Date:** 3/17/2014

**Funding:** \$540,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249975>

**Agency:** Department of Justice  
Office on Violence Against Women

**Program:** Grants to Reduce Sexual Assault, Domestic Violence, Dating Violence, and Stalking on Campus Program

**Description:** Sexual assault, domestic violence, dating violence, and stalking are serious problems on college and university campuses. Congress created the Grants to Reduce Sexual Assault, Domestic Violence, Dating Violence, and Stalking on Campus Program (hereinafter referred to as the Campus Program) in recognition of the unique issues and challenges that colleges and universities face in preventing and responding to these crimes. The Campus Program encourages a comprehensive coordinated community approach that enhances victim safety, provides services for victims and supports efforts to hold offenders accountable. The funding supports activities that develop and strengthen services for sexual assault, domestic violence, dating violence, and stalking victims. Grant funds also support strategies to prevent, investigate, respond to and prosecute these crimes. The development of campus-wide coordinated responses involving campus victim service providers, law enforcement officers, health providers, housing officials, administrators, student leaders, faith-based leaders, representatives from student organizations, and disciplinary board members is critical. To be effective, campus responses must also link to local off-campus criminal justice agencies and service providers, including local law enforcement agencies, prosecutors' offices, courts, and nonprofit, nongovernmental victim advocacy and victim services organizations. Campuses are encouraged to create or revitalize large-scale efforts that treat sexual assault, domestic violence, dating violence, and stalking as serious offenses by adopting policies and protocols, developing victim services and programs that prioritize victim safety, ensuring offender accountability, and implementing effective prevention approaches. Colleges and universities should demonstrate to every student that sexual assault, domestic violence, dating violence, and stalking in any form will not be tolerated and have serious consequences, and that holistic services are available for victims of these crimes.

**Due Date:** 2/27/2014

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

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250059>

**Agency:** Department of State  
U.S. Mission to China

**Program:** Cultural Programming in the People's Republic of China

**Description:** The Public Affairs Section of the U.S. Embassy in Beijing, China is holding an open competition for assistance awards through this RFA inviting proposals for conducting cultural exchange programs that will provide Chinese audiences with the opportunity to experience U.S. culture and the arts.

**Due Date:** 2/24/2014

**Funding:** \$50,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250098>

**Agency:** Department of State  
U.S. Mission to India

**Program:** Workshop on Local Media Coverage of Foreign Affairs

**Description:** The U.S. Consulate General Public Affairs Section in Hyderabad, India is soliciting grant proposals to develop and implement educational and cultural programs. The awardee will develop and execute a multi-day workshop to familiarize Indian journalists with techniques for the accurate and uneditorialized local news coverage of foreign affairs in a manner relevant to the average domestic reader. The workshop will provide working and learning journalists with awareness of how U.S. journalists approach coverage of foreign affairs, including topics such as international economics, climate change, coverage of war zones, international organizations. This workshop will include a mixture of working journalists and senior students of journalism.

**Due Date:** 2/17/2014

**Funding:** \$60,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=250113>

**Agency:** Department of the Interior  
Fish and Wildlife Service

**Program:** NAWCA-14-USSTANDARD-623

**Description:** The U.S. Standard Grants Program is a competitive, matching grants program that supports public-private partnerships carrying out projects in the United States that further the goals of the North American Wetlands Conservation Act. These projects must involve long-term protection, restoration, enhancement and/or establishment of wetlands and associated uplands habitats for the benefit of all wetlands-associated migratory birds. A 1:1 match is required. Research funding is ineligible.

**Due Date:** 7/8/2014

**Funding:** Total Funding: \$40,000,000; Award Ceiling: \$1,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=249819>

**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 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.

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

**Funding:** See announcement

**Website:**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13347&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13347&WT.mc_id=USNSF_39&WT.mc_ev=click)

**Agency:** National Science Foundation

**Program:** Sociology

**Description:** The Sociology Program supports basic research on all forms of human social organization -- societies, institutions, groups and demography -- and processes of individual and institutional change. The program encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes. Included is research on organizations and organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification and mobility, family, social networks, socialization, gender roles, and the sociology of science and technology. The program supports both original data collections and secondary data analysis that use the full range of

quantitative and qualitative methodological tools. Theoretically grounded projects that offer methodological innovations and improvements for data collection and analysis are also welcomed.

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

**Funding:** See announcement

**Website:**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5369&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5369&WT.mc_id=USNSF_39&WT.mc_ev=click)

**Agency:** National Science Foundation

**Program:** Geotechnical Engineering

**Description:** The GTE program supports fundamental research on geotechnical engineering aspects of civil infrastructure, such as site characterization, foundations, earth retaining systems, underground construction, excavations, tunneling, and drilling. Also included in the program scope is research on geoenvironmental engineering; geotechnical engineering aspects of geothermal energy; life-cycle analysis of geostructures; geotechnical earthquake engineering that does not involve the use of George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES) facilities; scour and erosion; and geohazards such as tsunamis, landslides, mudslides and debris flows. The program does not support research related to natural resource exploration or recovery. Emphasis is on issues of sustainability and resilience of civil infrastructure. Cross-disciplinary and international collaborations are encouraged.

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

**Funding:** See announcement

**Website:**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13351&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13351&WT.mc_id=USNSF_39&WT.mc_ev=click)

**Agency:** National Science Foundation

**Program:** Chemical Oceanography

**Description:** The Chemical Oceanography Program supports research into the chemical components, reaction mechanisms, and geochemical pathways within the ocean and at its interfaces with the solid earth and the atmosphere. Major emphases include: studies of material inputs to and outputs from marine waters; orthochemical and biological production and transformation of chemical compounds and phases within the marine

system; and the determination of reaction rates and study of equilibria. The Program encourages research into the chemistry, distribution, and fate of inorganic and organic substances introduced into or produced within marine environments including those from estuarine waters to the deep sea.

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

**Funding:** See announcement

**Website:**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=11698&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11698&WT.mc_id=USNSF_39&WT.mc_ev=click)

**Agency:** National Science Foundation

**Program:** Sensors and Sensing System

**Description:** The Sensors and Sensing System program funds fundamental research on sensors and sensing systems. Such fundamental research includes the discovery and characterization of new sensing modalities, fundamental theories for aggregation and analysis of sensed data, fundamentally new approaches for data transmission, and approaches for addressing uncertain and/or partial sensor data.

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

**Funding:** See announcement

**Website:**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13349&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13349&WT.mc_id=USNSF_39&WT.mc_ev=click)

**Agency:** National Science Foundation

**Program:** Ocean Drilling

**Description:** IODP scientific objectives require a heavy vessel for drilling deep sedimentary and crustal holes, a lighter vessel to provide widely distributed arrays of high resolution cores to address climate, environmental, and observatory objectives, and use of other drilling platforms, called Mission Specific Platforms (MSP's), for the Arctic and shallow water projects which can't be undertaken from the two primary vessels.

Support for participation and drilling-related research performed by United States scientists is provided by NSF. This support focuses on the following:

- Investigations of potential drilling regions, especially by means of regional geological and geophysical field studies.
- The feasibility and initial development of downhole instruments and techniques.
- Downhole geophysical and geochemical experiments.
- Support for research proposals to meet the scientific objectives of specific drilling expeditions. Grants resulting from these Expedition Objective Research (EOR) proposals will be for significant support to address the research objectives of the drilling expedition and are intended to begin in the period between the co-chief approval of the expedition sampling plan and the end of the sample moratorium period. NSF ODP encourages potential submitters to submit EOR proposals in time for the existing OCE target dates of February 15 and August 15. In addition, NSF will consider proposals for studies leading to long-range definition of future drilling objectives.

To be considered for support, proposed projects should be clearly relevant to the drilling plans of the international drilling community and focus on predrilling or drilling concurrent activities. Post-cruise studies after the end of the sample moratorium should generally be submitted through other appropriate NSF programs such as Marine Geology and Geophysics, Earth Sciences, Polar Programs, etc.

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

**Funding:** See announcement

**Website:**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13524&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13524&WT.mc_id=USNSF_39&WT.mc_ev=click)

**Agency:** National Science Foundation

**Program:** Biological Oceanography

**Description:** The Biological Oceanography Program supports research in marine ecology broadly defined: relationships among aquatic organisms and their interactions with the environments of the oceans or Great Lakes. Projects submitted to the program for consideration are often interdisciplinary efforts.

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

**Funding:** See announcement

**Website:**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=11696&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11696&WT.mc_id=USNSF_39&WT.mc_ev=click)

**Agency:** National Science Foundation

**Program:** Physical Oceanography

**Description:** The Physical Oceanography Program supports research on a wide range of topics associated with the structure and movement of the ocean, with the way in which it transports various quantities, with the way the ocean's physical structure interacts with the biological and chemical processes within it, and with interactions between the ocean and the atmosphere, solid earth and ice that surround it.

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

**Funding:** See announcement

**Website:**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=12729&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12729&WT.mc_id=USNSF_39&WT.mc_ev=click)

**Agency:** National Science Foundation

**Program:** Marine Geology and Geophysics

**Description:** The Marine Geology and Geophysics program supports research on all aspects of geology and geophysics of the ocean basins and margins, as well as the Great Lakes.

The Program includes:

- Structure, tectonic evolution and volcanic activity of the ocean basins, the continental margins, the mid-ocean ridges, and island arc systems
- Processes controlling exchange of heat and chemical species between seawater and ocean rocks
- Genesis, chemistry, and mineralogic evolution of marine sediments
- Processes controlling deposition, erosion and transport of marine sediments
- Past ocean circulation patterns and climates and
- Interactions of continental and marine geologic processes

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



**Funding:** See announcement

**Website:**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=11726&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11726&WT.mc_id=USNSF_39&WT.mc_ev=click)

**Agency:** National Science Foundation

**Program:** Oceanographic Technology and Interdisciplinary Coordination

**Description:** The Oceanographic Technology and Interdisciplinary Coordination (OTIC) Program supports a broad range of research and technology development activities. Unsolicited proposals are accepted for instrumentation development that has broad applicability to ocean science research projects and that enhance observational, experimental or analytical capabilities of the ocean science research community.

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

**Funding:** See announcement

**Website:**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=12724&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12724&WT.mc_id=USNSF_39&WT.mc_ev=click)