



## **House Appropriations subcommittee approves FY 15 bill for Federal science agencies**

The House Appropriations Subcommittee on Commerce, Justice and Science cleared its Fiscal 2015 bill April 30, the major Federal science agencies.

Overall, the \$51.2 billion measure is reduced \$398 million from Fiscal 2014 spending levels, with science agencies generally receiving slight increases over the current year although NOAA funding

Partnership program, which provides training and technical assistance to U.S. manufacturers.

## **NSF Board makes unprecedented criticism of pending NSF legislation**

The presidentially appointed members of the National Science Board overseeing the National Science Foundation took the unprecedented step April 24 of criticizing pending House legislation that would authorize NSC





The legislation

the same day as the Science Committee hearing would provide \$5.3 billion, equal to the Fiscal 2014 funding level.

To read the committee hearing charter with background on NOAA, click [here](#). To view testimony or the hearing webcast, click [here](#).

## **University centers program included in new DOT draft transportation legislation**

proposal April 29, a new four-year, \$302 billion surface transportation bill.

The current transportation law expires at the end of September. In the past new era. Pressure is building on Congress and the Administration this year, however, because the Highway Trust Fund which supports transit construction projects nationwide is expected to be bankrupt by late August. The Fund is based on receipts from the Federal gas tax and a number of factors have led to declining revenue.

The law also provides for transportation research and the University Transportation Centers program in which the SUS currently has 6 universities involved in 12 different would continue the program and its current structure along with some changes and raise the authorization levels.

will be involved in whatever proposals emerge from the Congress. expected first. To read the 350-page bill click [here](#).

## **Education Secretary defends education budget request before House committee**

S request for education April 29 in a House Education and Workforce Committee hearing, admitting that the Department of Education does not know the graduation rates for Pell Grant recipients.

While Committee Chairman John Kline was focused on special education and most members asked questions about K-12 education, Rep. Virginia Foxx (R-NC) challenged Duncan on higher education policy. Workforce Training Subcommittee.





Rankin questioned why 7 million borrowers had defaulted when generous repayment plans exist to link monthly payments to incomes. She said the federal government should evaluate student loan servicers to make sure they know when and how to offer help through a repayment plan.

"All borrowers should be able to rely on a system in which the servicer, the university, and the government provide information and resources to help borrowers manage their loans successfully," Raskin said. "This is critical to ensuring that taxpayers recoup their investment and that borrowers can make the most of their education without being sidetracked by the consequences of delinquency or default."

The Education Department released data on April 29 showing an increase in borrowers not making regular student loan payments: 41 percent have defaulted or are behind in payments as of March 31.

## **NIH announces new training funds for “Big Data” science**

NIH has released t <http://bd2k.nih.gov/>) initiative dealing with new training programs and revisions to existing training programs in biomedical Big Data Science:

[Predoctoral Training in Biomedical Big Data Science](#) (T32) (NOT-HG14-004)  
[Revisions to Add Biomedical Big Data Training to Active Institutional Training Grants](#) (T32) (NOT-HG14-005)  
[Revisions to Add Biomedical Big Data Training to Active NLM Institutional Training Grants in Biomedical Informatics](#) (T15) (NOT-HG14-006)

The first deadline for these applications is July 28, 2014, with an optional letter of intent due June 28, 2014.

BD2K is a new major trans-NIH initiative that aims to support advances in data science, other quantitative sciences, policy, and training that are needed for the effective use of

interfaces for volitional motor recording and sensory feedback signals; implantable electronic systems to transfer port information between these interfaces and the prosthesis; and sophisticated encoding and decoding algorithms to transform recorded volitional motor control signals into limb movements and patterned stimulation into naturalistic touch and proprioceptive sensations. System performance and the ultimate benefit to prosthetic users will be determined in a year-long, take-home trial before the end of the HAPTIX program.

**Due Date:** 9/10/2014

**Funding:** See Solicitation

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254271>

**Agency:** Department of Defense  
DARPA - Microsystems Technology Office

**Program:** Direct On-chip Digital Optical Synthesizer (DODOS)

**Description:** The MSRP Investigator-Initiated Partnership Award (IIPA) mechanism is being offered for the first time in FY14 with the goal of attracting promising investigators and new perspectives on a research project to improve MS patient care and/or quality of life. The Investigator-Initiated Partnership Award supports the development of translational research collaborations among no more than three independent investigators (known as partners), who synergistically combine efforts to address a central problem or question in MS. Their contribution and criticality to the project, which together bring a new perspective to MS research and create the synergy of the team. Additionally, multi-institutional applications must provide an intellectual property plan to resolve potential intellectual and material property issues and to remove institutional barriers that might interfere with achieving the high levels of cooperation needed to ensure the successful completion of the project. Observations that drive a research project may be derived from a laboratory discovery, population-knowledge of patients and anecdotal data. The ultimate goal is to move an observation forward into clinical application.

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

**Funding:** \$3,840,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254035>

**Agency:** Department of Defense  
DARPA - Tactical Technology Office



intervention, or other) is tested on a human subject for a measurable outcome with respect to exploratory information, safety, effectiveness, and/or efficacy. This outcome represents a direct effect on the human subject of that intervention or interaction.

**Due Date:** 10/7/2014

**Funding:** \$3,200,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254351>

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

**Program:** DoD Autism Idea Development Award

**Description:** The ARP Idea Development Award supports the development of innovative, high-risk/high-reward research that could lead to critical discoveries or major advancements that will accelerate progress in improving outcomes for individuals with autism.

**Due Date:** 10/7/2014

**Funding:** \$1,600,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254352>

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

**Program:** DoD Peer Reviewed Cancer Career Development Award

**Description:** The PRCRP Career Development Award supports independent, early-career investigators to conduct impactful research with the mentorship of an experienced cancer researcher (i.e., the Designated Mentor) as an opportunity to obtain the funding, guidance, and experience necessary for productive, independent careers at the forefront of cancer research. This award supports impactful research projects with an emphasis on discovery. Under this award mechanism, the early-career investigator is considered the Principal Investigator (PI), and the application should focus

proposed research is intellectually designed by the PI and not a product of the Designated Mentor. Preliminary data are not required. However, logical reasoning and a sound scientific rationale for the proposed research must be demonstrated.

**Due Date:** 9/17/2014

**Funding:** \$11,520,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254170>

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

**Program:** DoD Peer Reviewed Cancer Idea Award with Special Focus

**Description:** The Idea Award with Special Focus supports innovative, untested, high-risk/potentially high-reward concepts, theories, paradigms, and/or methods in cancer research that are relevant to active duty service

exposures, conditions, or circumstances that are unique to the military or disproportionately represented within the military beneficiary population. The advancement of knowledge in cancer research, patient care, and/or treatment options in the military health system is critical to active duty service members, their families, other military beneficiaries, and the American public.

**Due Date:** 9/17/2014

**Funding:** \$8,016,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254173>

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

**Program:** DoD Ovarian Cancer Investigator-Initiated Research Award

**Description:** The OCRP Investigator-Initiated Research Award is intended to support studies that will significantly impact ovarian cancer research and/or patient care. Research projects may focus on any phase of research from basic laboratory research through translational research. The rationale for a research idea may be derived from a laboratory discovery, population-hand knowledge of patients, or anecdotal data. Applications must include preliminary data that are relevant to ovarian cancer and support the proposed research project.

**Due Date:** 8/27/2014

**Funding:** \$2,880,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=253890>

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

**Program:** DoD Ovarian Cancer Clinical Translational Leverage Award

**Description:** The intent of the OCRP Clinical Translational Leverage Award mechanism is to support leveraging of human-based ovarian cancer resources in translational research. This award supports early-phase, proof-of-principle clinical trials and correlative studies (retrospective and prospective) to investigate high-impact research ideas or unmet needs in ovarian cancer. Preliminary data are required.

**Due Date:** 8/27/2014

**Funding:** \$800,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=253891>

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

**Program:** DoD Ovarian Cancer Academy Award - Early-Career Investigator

**Description:** The OCRP Ovarian Cancer Academy, which was initially created in FY09, is intended to be a unique, interactive virtual academy providing intensive mentoring, national networking, and a peer group for junior faculty. The overarching goal of the Ovarian Cancer Academy is to develop successful, highly productive ovarian cancer researchers in a collaborative research training environment. The Ovarian Cancer Academy is a virtual career development and research training platform that currently consists of nine Early-Career Investigator/Designated Mentor pairs from different institutions and one Academy Dean; two additional Early-Career Investigator/Designated Mentor pairs are pending awards. This FY14 Program Announcement/Funding Opportunity is soliciting additional Early-Career Investigators to join the existing Academy. Applications to this award mechanism must be submitted by the Early-Career Investigator as the Principal Investigator (PI).

**Due Date:** 8/27/2014

**Funding:** \$2,320,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=253889>

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

**Program:** USSOCOM Extramural Biomedical Research and Development Broad Agency Announcement

**Description:** The USSOCOM seeks novel biomedical solutions to preserve the high level of performance and save the lives of Special Operations Forces



**Agency:** Department of Defense  
NSWC - CRANE

**Program:** CRNBAA14-001

**Description:** The Department of Defense (DoD) announces the availability of the FY 2014 Broad Agency Announcement (BAA) CRANBAA14-001. The purpose of the funding under this BAA is receiving proposals for the development of novel solutions/concepts to the areas of interest lists-3( )JTJET2( li49)-3(



**Description:** The Braille Training Program offers financial assistance to projects that will provide training in the use of braille for personnel providing vocational rehabilitation services or educational services to youth and adults who are blind. Under this priority grants are provided for the establishment or continuation of projects that provide (1) Development of braille training materials; (2) In-service or pre-service training in the use of braille, the importance of braille literacy, and methods of teaching braille to youths and adults who are blind; or (3) Activities to promote knowledge and use of braille and nonvisual access technology for blind youth and adults through a program of training, demonstration, and evaluation conducted with leadership of experienced blind individuals, including the use of comprehensive, state-of-the-art technology.

**Due Date:** 5/30/2014

**Funding:** Total Funding: \$330,000; Award Ceiling: \$110,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=253898>

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

**Program:**

health information is an important factor during health decisions. Proposed projects should exploit the capabilities of computer and information technology and health sciences libraries to bring health-related information to consumers and their health care providers.

**Due Date:** 7/29/2014

**Funding:** See announcement

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254481>

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

**Program:** Centers of Excellence in Genomic Science (CEGS) (RM1)

**Description:** The Centers of Excellence in Genomic Sciences (CEGS) program establishes academic Centers for advanced genome research. Each CEGS grant supports a multi-investigator, interdisciplinary team to develop innovative genomic approaches to address a particular biomedical problem. A CEGS project will address a critical issue in genomic science or genomic medicine, proposing a solution that would be a very substantial advance. Thus, the research conducted at these Centers will entail substantial risk, balanced by outstanding scientific and management plans and very high potential payoff. A CEGS will focus on the development of novel technological or computational methods for the production or analysis of comprehensive data sets, or on a particular genome-scale biomedical problem, or on other ways to develop and use genomic approaches for understanding biological systems and/or significantly furthering the application of genomic knowledge, data and methods towards clinical applications. Exploiting its outstanding scientific

**Description:** This announcement invites applications for the Morris K. Udall Centers of Excellence for Parkinsons Disease Research program. The overarching goal of the specialized Udall Centers program is to establish a network of Centers that work collaboratively as well as independently to define the causes of and discover improved treatments for Parkinsons disease (PD). A more immediate goal for each Center is to rapidly advance synergistic, interdisciplinary research programs while serving as local resources and national leaders in PD research. The overall theme, proposed research projects, and associated cores must inform the etiology, pathogenesis or treatment of PD. Investigations on related synucleinopathies may be included, to the extent that these directly inform PD research.

**Due Date:** 6/30/2014

**Funding:** Total Funding: \$9,000,000; Award Ceiling: \$1,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254403>

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

**Program:** Global Infectious Disease Research Training Program (D43)

**Description:** This announcement encourages applications for the Global Infectious Disease (GID) Research Training Program from U.S. and low- and middle-income country (LMIC) institutions. The application should propose a collaborative research training program that will strengthen the capacity of an LMIC institution to conduct infectious disease (excluding HIV/AIDS and select agents). FIC will support research-training programs that focus on major endemic or life-threatening emerging infectious diseases, neglected tropical diseases, infections that frequently occur as co-infections in HIV infected individuals or infections associated with non-communicable disease conditions of public health importance in LMICs. FIC will also support revisions to existing GID research training grants to support training for LMIC advanced post-doctoral researchers to conduct research on the relationship of infectious disease to chronic disease conditions of public health importance.

**Due Date:** 7/29/2016

**Description:**

expected that a Center will transform knowledge in the sciences it is studying. Incremental work should not be the focus of Center activities; rather, new and creative directions are encouraged. A P30 should integrate and promote research in existing funded projects, to achieve new and creative directions. It is expected that individual core activities

community to work with biomedical Big Data in the biomedical sciences. This proposed training initiative should prepare qualified individuals for careers in developing new technologies and methods that will allow biomedical researchers to maximize the value of the growing volume and complexity of biomedical data.

**Due Date:** 7/27/2015

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

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254152>

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

**Program:** NINDS Program Project Grant (P01)

**Description:** This announcement is issued to enable submission of program project grant applications that propose to conduct innovative, interactive, high impact research. Applications should address significant scientific questions that are important for the mission of NINDS, via a synergistic collaboration between outstanding scientists who might not otherwise collaborate. The program project grant is designed to support research in which the funding of several interdependent highly meritorious projects as a group offers significant scientific advantages over support of these same projects as individual research grants.

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

**Funding:** See Solicitation

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254112>

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

**Program:** Undiagnosed Diseases Gene Function Research (R21)

**Description:** This Exploratory/Developmental Research Funding Opportunity intends to support gene function studies in collaboration with the Undiagnosed Diseases Network (UDN) building upon the NIH Intramural Research Programs Undiagnosed Diseases Program (NIH-UDP). Responsive applications will propose to investigate the underlying genetics, biochemistry and/or pathophysiology of newly diagnosed diseases in association with the respective gene variant(s) identified through the UDN. In recent years, gene function studies combined with genetic and genomic analyses and metabolic studies have greatly improved diagnoses of these very rare diseases and advanced scientific knowledge of the underlying



recidivism and preventing crime. Through this FY 2014 grant announcement, BJA will select a national training and technical assistance (TTA) partner to work with BJA, its federal partners, states, tribes, and local jurisdictions to provide training, technical assistance, and coaching to jurisdictions interested in establishing SAC initiatives. The TTA provider will: Develop a process to accept, review, and approve requests for assistance in coordination with BJA. Provide need-based onsite assistance, developing and facilitating web-based trainings, hosting public webinars, and providing office-based assistance to parties interested in the HOPE model, or other versions of SAC. Establish a web-based resource center where information related to HOPE and SAC strategies can be maintained, shared, discussed, and used as a resource to support jurisdictions interested in implementing these models. Help jurisdictions build their capacity to implement their SAC approach with fidelity. Develop relevant materials and resources for the field.

**Due Date:** 5/30/2014

**Funding:** \$1,125,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=253929>

**Agency:** Department of Justice  
National Institute of Justice

**Program:** NIJ FY 14 Evaluation of the Office for Victims of Crime Service, Support & Justice: A Strategy to Enhance Law Enforcement Response to Victims Demonstration Project

**Description:** NIJ seeks proposals for an evaluation of the Office for Victims of Crime (OVC) Service, Support & Justice: A Strategy to Enhance Law Enforcement Response to Victims (ELERV) Demonstration Project. ELERV is a strategy developed by the International Association of Chiefs of Police (IACP) in conjunction with OVC to help law enforcement agencies implement agency wide changes in how law enforcement interacts with and addresses the needs of victims of crime. See solitcitation for additional information.

**Due Date:** 6/30/2014

**Funding:** \$300,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254493>

**Agency:** Department of Justice  
National Institute of Justice







**Agency:** Department of the Interior  
Forest Service

**Program:** 2014 Hazardous Fuels Wood to Energy Grant Program Request for Proposals

**Description:** The U.S Forest Service Wood Education and Resource Center (WERC) requests proposals for wood energy projects that require engineering services necessary for final design and cost analysis. The Hazardous Fuels Wood to Energy (W2E) Grant Program will fund projects for which some or all of the woody biomass is generated from National Forest Service System lands as a result of hazardous fuel treatments, forest restoration activities, insect and disease mitigation, catastrophic weather events, or thinning overstocked stands. Projects that use woody biomass from multiple land ownerships (State, Tribal, or private lands) and multiple sources (wood products facilities, urban wood waste, etc.) will be considered as long as some of the woody biomass is generated from National Forest System lands. Projects that do not anticipate using any wood from National Forest System lands will not be eligible. The woody biomass must be used in commercially proven wood energy systems to produce thermal, electrical, liquid, or gaseous energy. Examples of projects might include, but are not limited to, engineering design of a woody biomass boiler that generates steam at a sawmill, hospital, or school; a nonpressurized hot water system; a biomass power generation facility; or geographic or sector-based clusters of wood energy systems.

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

**Funding:** Total Funding: \$2,800,000; Award Ceiling: \$250,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254131>

**Agency:** National Aeronautics and Space Administration

**Program:** Game Changing Opportunities In Technology Development (GCD)  
Appendix C2

**Description:** The Game Changing Opportunities In Technology Development (GCD) Program focuses on maturing advanced space technologies that may lead to entirely new technology readiness levels (TRL), namely TRL 3-5. This announcement seeks proposals for the maturation of promising atmospheric revitalization missions. As future missions must be more self-sufficient, technologies of interest will be capable of significantly improving the rate of oxygen recovery while also ensuring high system reliability. NASA and its partners

atmosphere revitalization loop. Technologies of interest would greatly improve the oxygen recovery rate while offering the potential of increased reliability and reduced mass, volume, and power. The goal of this Appendix is to award technology development efforts that will increase the oxygen recovery rate to at least 75%. All proposals must be submitted electronically through NSPIRES by an authorized organizational representative.

**Due Date:** 6/2/2014

**Funding:** See Solicitation

audiences through digital literacy programs and workshops, new tools and applications, and citizen engagement in archival processes. The NHPRC is looking to fund pilot projects in areas that: 1. Develop partnerships among archives, historical records repositories, educational, and community-based institutions to provide educational opportunities for people, particularly students, to develop their digital literacy skills when they find,

purpose of this grant program is to assist state boards to enhance access to historical records, increase citizen engagement with records, and provide learning and development opportunities for students, citizens and professional archivists. For a list of work that this grant will fund, view the solicitation.

**Due Date:** 8/27/2014

**Funding:** Total Funding: \$700,000; Award Ceiling: \$40,000

**Website:** <http://www.grants.gov/web/grants/search-grants.html>

**Agency:** National Archives and Records Administration

**Program:** Digital Dissemination of Archival Collections

**Description:**

photographs, sound recordings and moving images, archaeological and ethnographic artifacts, art and material culture, and digital objects. Funding from this program strengthens efforts to extend the life of such materials and make their intellectual content widely accessible, often through the use of digital technology. Awards are also made to create various reference resources that facilitate use of cultural materials, from works that provide basic information quickly to tools that synthesize and codify knowledge of a subject for in-depth investigation. HCRR offers two kinds of awards: 1) for implementation and 2) for planning, assessment, and pilot efforts (HCRR Foundations grants).

**Due Date:** 7/17/2014

**Funding:** \$350,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254398>

**Agency:** National Science Foundation

**Program:** Opportunities for Promoting Understanding through Synthesis

**Description:**

to margin evolution and dynamics, construction of stratigraphic architecture, accumulation of economic resources, and associated geologic hazards and environmental management. The GeoPRISMS Program includes two broadly integrated science initiatives (Subduction Cycles and Deformation and Rift Initiation and Evolution), linked by five overarching scientific topics and themes, where transformative advances are likely to occur in the next decade, and where a focused scientific program could be most effective. These overarching science topics



use radioactive materials for beneficial civilian purposes while ensuring that people and the environment are protected. The NRC regulates the nation's civilian use of byproduct, source, and special nuclear materials to ensure adequate protection of public health and safety, to promote the common defense and security, and to prote

regulatory mission by providing technical advice, technical tools and information for identifying and resolving safety issues, making regulatory decisions, and promulgating regulations and guidance. RES is comprised of three technical divisions and one administrative division, each with their own responsibilities and program goals. RES awards support a discrete, specified, circumscribed project to be performed by named Principal