

# THE STATE UNIVERSITY SYSTEM OF FLORIDA

## WASHINGTON E-UPDATE

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**May 2014**

***Budget and Appropriations Update*** -- After a delayed start, the congressional appropriations process has begun to move on multiple fronts. The first sign that the House was ready to begin debating fiscal year 2015 spending bills came when Republican leaders announced their decision to adhere to the spending limits set in last December's budget deal, rather than those in the so-called Ryan budget the House passed earlier this year.

Why the change of heart? If the House had used the recently-passed Ryan budget as a marker that would have forced lower limits on transportation spending, making it harder for lawmakers to replenish the Highway Trust Fund quickly running out of money. Last December's budget agreement does not require transportation funding to be offset by cuts to other government programs.

Budget committee chairwoman Patty Murray (D-WA) announced earlier this year that the Senate would also stick to the December budget deal.

With overall spending limits now in place the House this week began floor debate on two relatively noncontroversial appropriations bills: Military Construction-VA (passed on April 30) and Legislative branch. The \$71.5 billion Military Construction-VA bill funds veterans' health care and military bases, while the Legislative bill represents the operating budget for Congress and its supporting agencies. This is the earliest passage of appropriations bills in the House in recent memory.

In advance of floor debate on those two bills, a House Appropriations subcommittee marked up another largely noncontroversial measure April 30, the Commerce-Justice-Science bill (see next article for details) and full committee consideration is expected the week of May 5.

In the meantime, Appropriations committee chairwoman Barbara Mikulski (D-MD) has announced plans to mark up the Senate version of the Military Construction-VA bill on May 22, followed closely by the Agriculture spending bill.

Mikulski and her House counterpart, Rep. Harold Rogers (R-KY), are loosely coordinating the timing of action on spending bills. Their plan is to convene a House-Senate conference on individual bills and cluster the remaining measures for passage later this year.

With mid-term elections scheduled for November, Congress is likely to rely on at least a short-term Continuing Resolution at the start of the Fiscal Year October 1 to keep agencies operating until after the elections.

## **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, beginning the process to set next year's spending levels for 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 is held constant.

**National Aeronautics and Space Administration** – NASA is funded at \$17.9 billion, \$250 million above the 2014 enacted level. This funding includes:

- \$4.2 billion for Exploration – \$54 million above the fiscal year 2014 enacted level. This contains funding to keep NASA on schedule for upcoming Orion Multi-Purpose Crew Vehicle and Space Launch System flight program milestones, and to continue progress in the commercial crew program.
- \$5.2 billion for NASA Science programs – \$42 million above the 2014 enacted level. This includes funding above the President's request for planetary science to ensure the continuation of critical research and development programs.
- \$666 million for Aeronautics – \$100 million above the 2014 enacted level. This funding is intended to help improve airspace safety, and increase the competitiveness of the American aviation industry in the global marketplace.

**National Science Foundation** – The legislation funds NSF at \$7.4 billion, an increase of \$237 million above Fiscal 2014. This support is targeted to programs that foster innovation and U.S. economic competitiveness, including funding for research on advanced manufacturing, cybersecurity, neuroscience and STEM education.

**National Oceanic and Atmospheric Administration** – The legislation contains \$5.3 billion for NOAA, virtually equal to the fiscal year 2014 enacted level. Within this total, National Weather Service operations and systems are funded above the President's request, denying proposed cuts to hurricane forecasting and tsunami warning grants. The bill includes full funding for the Joint Polar Satellite System weather satellite program and the Geostationary Operational Environmental Satellite to help maintain and improve weather forecasting.

**National Institute of Standards and Technology** – NIST is funded at \$856 million in the bill, which is \$5.8 million above the Fiscal 2014 level and \$44.2 million below the President's request. Within this total, core research activities are funded at \$671 million to help advance U.S. competitiveness, innovation, and economic growth, and improve cyber security. The bill also includes \$130 million for the Manufacturing Extension

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 NSF spending levels for two-years.

The Board released a statement (posted on the NSF website) against provisions in HR 4186, the FIRST Act, saying the bill would “impose significant new burdens on scientists that would not be offset by gains to the nation. We are concerned that the proposed new legislative requirements might discourage visionary proposals or transformative science at a time when advancing the decades-long U.S. leadership in science and technology is a top priority.”

A primary Board concern is that the bill for the first time would give Congress authority to set specific spending allocations for each NSF directorate, rather than leaving that job to scientific administrators at NSF. In discussing the legislation the Board wrote, "Some of its provisions and tone suggest that Congress intends to impose constraints that would compromise NSF’s ability to fulfill its statutory purpose." The proposal "would significantly impede NSF’s flexibility to deploy its funds to support the best ideas," the Board continued.

The Frontiers in Innovation, Research, Science, and Technology (FIRST Act) is a two-year reauthorization of the America COMPETES Act providing slightly increased authorization levels for NSF along with the policy provisions. It was approved by the House Science Committee’s Subcommittee on Research and Technology on March 13 and is expected to be passed by the full committee during May.

Other provisions in the bill would reduce authorization levels for social, behavioral and economic research at NSF, and set a policy for public access to the results of federally funded research at 24 months from publication. To read the full National Science Board Statement click [here](#). To read the legislation click [here](#).

## **Weather research bill approved by House**

The Weather Forecasting Improvement Act of 2013 (HR 2413) which would authorize new funding for weather research was passed by the House April 1 and sent to the Senate.

The bill would require NOAA to “develop improved understanding of and forecast capabilities for atmospheric events, placing priority on developing more accurate and

timely warnings and forecasts of high impact weather events that endanger life and property.”

Provisions are included to support the academic weather research community through grants and contracts to institutions of higher education. For each of three years, \$120 million would be authorized -- \$80 million for weather labs and cooperative institutes, \$20 million for weather and air chemistry programs, and \$20 million for a joint technology transfer initiative involving NOAA and academic and industry partners.

The bill contains a provision calling for a “hurricane warning precision program” to be developed by NOAA along with an accompanying budget proposal. The goal of the program is to “develop and extend accurate hurricane forecasts and warnings in order to reduce loss of life, injury, and damage to the economy.” The bill also requires a plan from NOAA leadership on setting priorities for weather R&D and on how to “restore United States leadership in weather modeling, prediction, and forecasting.” Attached are the bill and accompanying report.

## **Prospects improve for NASA reauthorization after committee action**

Easing the path for a NASA reauthorization bill this year for 2015, the House Science Committee approved a new one-year bill April 29 that matches the funding level provided in the Fiscal 2014 omnibus appropriations bill.

The bill, HR 4412, was approved by a bipartisan voice vote having been approved in subcommittee April 9. The action supersedes a two-year authorization, HR 2687, that had been approved by the committee last July on a contentious party-line vote. The previous bill would have reduced funding levels for NASA to \$16.9 billion annually. The new one-year bill would authorize \$17.6 billion, the same as Fiscal 2014 appropriations.

The Senate Commerce, Science and Transportation Committee approved its version of the bill last July 30, providing a three-year measure calling for \$18.1 billion in FY 2014 with annual increases to \$18.8 billion in 2016.

The [House bill](#) is expected to move quickly to the floor for a vote.

In addition to multiple policy directives, HR 4412 would authorize:

- \$4.1 billion for space exploration
- \$3 billion for the International Space Station
- \$658 million for the James Webb Space Telescope
- \$1.8 billion for Earth science
- \$1.3 billion for planetary science
- \$668 million for astrophysics
- \$654 million for heliophysics
- \$576 million for space technology
- \$566 million for aeronautics
- \$117 million for education

\$2.8 billion for cross-agency support  
\$515 million for construction and environmental compliance

## **NIH FY 2015 budget hearing showcases support but no answers on additional funds**

Senate appropriators expressed much support for the National Institutes of Health Fiscal 2015 budget during an April 2 hearing even though the reality of where to find extra funds that all sides want remained an open question.

Leaders of the Appropriations Committee and its Labor-HHS-Education Subcommittee each spoke to the critical nature of biomedical research and the importance of NIH, and the need to restore NIH to pre-sequestration levels.

Both Committee Chair Barbara Mikulski (D-MD) and Ranking Member Richard Shelby (R-AL) attended the hearing. Sen. Mikulski said their attendance “shows our commitment to really trying to make sure that NIH has the resources it needs to continue to be the premiere global agency for biomedical research and to do it on a bipartisan basis.” Sen. Shelby added his belief that Congress should ensure that NIH is “properly funded” and not affected by biomedical inflation. “I believe, as ... a veteran member of the Appropriations Committee looking at all the aspects of the various requests for money, that the NIH I think by far is the best investment we have made,” Shelby said.

Subcommittee Chair Tom Harkin (D-IA) -- serving his last year before retirement -- explained that with the budget cap limitations imposed on his panel “it is mathematically impossible to fully replace the remaining NIH sequester and provide just an inflationary increase to NIH without forcing additional cuts to education and job training and other priorities.” He said he would welcome help from the committee leadership on finding additional funds to support NIH in Fiscal 2015.

A panel of NIH Institute Directors led by NIH Director Francis Collins responded to numerous questions on a wide range of science and medical issues. To read the testimony or view the hearing webcast click [here](#).

## **Rubio legislation would promote income sharing agreements as financial aid option**

Florida Senator Marco Rubio introduced legislation April 10 designed to offer a new “income sharing” option for students needing to borrow to finance their education.

The Investing In Student Success Act (S. 2230) has a companion bill in the House, HR 4436, introduced the same day by Rep. Tom Petri (R-WI) a member of the House Education and the Workforce Committee.

The legislation would create a legal framework where individuals or organizations can provide students with money for school in exchange for the student agreeing to make payments linked to their income for a set period of time after graduation. Students would have no loan balance to repay, so some students might end up paying less than the amount given to them and others more. These plans would serve as an alternative to traditional student loans, according to Sen. Rubio.

The concept, originally proposed by Milton Friedman, was recently discussed in a [report](#) published by the American Enterprise Institute. One of the recommendations of the report was for Congress to create a legal framework that would provide investors with clarity regarding tax treatment, consumer disclosures, and other relevant aspects of these contracts. While there are a few small companies operating in this market, the report argues that the lack of legal clarity has prevented the growth of these financing options on a wide scale.

The bills would set certain standards for such income sharing agreements (ISA): they would be subject to a minimum income exemption of \$10,000, a maximum repayment period of 30 years, and an aggregate limit of no more than 15 percent of the individual's income committed to repayment. The bill also requires certain consumer disclosures to be clearly communicated to the individual receiving the ISA.

## **NOAA budget hearing centers on climate change vs. weather research**

Climate and weather research were the key topics of discussion during a hearing on the NOAA Fiscal 2015 budget held April 30 by the House Science Committee's Environment Subcommittee.

Kathryn Sullivan, the NOAA Administrator and Undersecretary of Commerce for Oceans and Atmosphere, defended agency plans citing the need to understand the forces behind atmospheric changes that are contributing to drought and threatening fisheries.

NOAA's budget seeks a \$9 million increase in 2015 for research on ocean acidification. Sullivan said the area is "one of the creeping hazards of our changing planet." She referred to algae blooms in the Gulf of Mexico and Great Lakes as a key focus for the agency.

Science Committee Chairman Lamar Smith (R-TX) disagreed with the agency's emphasis on climate research and said the focus should be on improving weather forecasting given the spate of tornadoes and severe weather recently. Sullivan responded to this and other critical subcommittee members by saying that the agency's potential for saving lives and making accurate weather predictions comes from understating oceans and atmosphere rather than just trying to understand the weather.

The President's budget request includes \$5.5 billion for NOAA, an increase of \$174.1 million. The House Appropriations Subcommittee Fiscal 2015 bill for NOAA approved

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**

The Transportation Department sent Congress it's wide ranging legislative draft proposal "Grow America" 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 reauthorizations have taken years to negotiate, especially in the current "no-earmark" 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 research center grants. The Administration's bill would continue the program and its current structure along with some changes and raise the authorization levels.

By the offering the proposal, the Department has essentially delivered a "marker" and will be involved in whatever proposals emerge from the Congress. The Senate's bill is expected first. To read the 350-page bill click [here](#).

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

Secretary of Education Arne Duncan faced questions about President Obama's budget request for education April 29 in a House Education and Workforce Committee hearing, fielding criticisms of the administration's proposed college rankings system and 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. Foxx chairs the Committee's Higher Education and Workforce Training Subcommittee. She criticized the Department's proposed regulations for online programs operating across state lines, saying that forcing states'

approval processes to conform to a federal standard amounts to government overreach that ultimately punishes students.

Asking why the government assumes it would know what is best for students and their families, Foxx questioned the utility of the Department's new college rankings system, saying that the massive amount of data it had collected actually generates very little useful information. Duncan's initial answer seemed to be a deflection, saying the rankings could be useful for first-generation college students navigating the confusing world of loans and scholarships. But in elaborating on the rankings, based on "access, affordability, and outcomes," Duncan said they could be used to increase oversight and accountability for federal higher education grants. Though graduation rates at public universities range from 12% to 95%, he said, there is no accounting for performance in the \$150 billion the government allocates to higher education.

Duncan said \$150 billion is "a massive taxpayer investment each year, and we want to make sure that investment is being used wisely," implying that federal higher education funding could eventually be tied to graduation rates.

Although the primary theme in Duncan's presentation of the budget request was "narrowing the opportunity gap"—i.e., ensuring every student enjoys equal access to a quality education at every level—his focus at the post-secondary level was college graduation rates. That the U.S. is currently 12<sup>th</sup> in the world in college graduation rates is "not acceptable," he said, warning that "jobs are going to go to the countries that take this more seriously than us." Still, when Reps. Glenn Thompson (R-PA) and David Roe (R-TN) asked about graduation rates for Pell Grant recipients, Duncan admitted that he could not provide the information, and that the Department "has struggled to get that data."

Thomas Petri (R-WI), Mark Pocan (D-WI), and Joe Courtney (D-CT) all expressed concerns about student debt. Petri worried that President Obama's debt forgiveness program encouraged over-borrowing, Pocan proposed allowing students to refinance their debt the way homeowners can, and Courtney criticized House Budget Chairman Paul Ryan's proposal to eliminate the in-school interest protection program for Stafford Loan recipients. Duncan was non-committal in his support for all of them, agreeing that "the status quo needs to be challenged" on student debt, but promised to discuss their proposals with his staff.

## **Treasury official challenges Education Department handling of student debt**

In her first public speech, a new Treasury Department official raised a number of questions on how the Education Department manages student loans and handles students struggling with debt.

Deputy Treasury Secretary Sarah Bloom Raskin made her remarks April 29 in a speech at the University of Maryland, Baltimore County. To read the remarks, click [here](#).



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 three new RFA's under the NIH Big Data to Knowledge (BD2K, <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 Big Data in biomedical research. Interested applicants are encouraged to join the listserv (on the [BD2K](#) homepage) to receive the most up-to-date information about BD2K events and funding opportunities.

## Highlights of competitive grant opportunities at federal agencies

**Agency:** Department of Defense  
DARPA - Biological Technologies Office

**Program:** Hand Proprioception

**Description:** The HAPTIX program will develop new science and technology to achieve closed-loop control of dexterous mechatronic prostheses that will provide amputees with prosthetic limb systems that feel and function like natural limbs. HAPTIX will focus on development of implantable peripheral

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. The application should demonstrate each partner's 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-based studies, or a clinician's firsthand 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

**Program:** Innovative Systems for Military Missions

**Description:** The Tactical Technology Office of the Defense Advanced Research Projects Agency is soliciting executive summaries, white papers and proposals for advanced research and development of Innovative Systems for Military Missions. This solicitation seeks system and subsystem level technologies that enable revolutionary improvements to the efficiency and effectiveness of the military. Novel concepts are sought in the following focus areas: Ground Systems, Maritime Systems, Air Systems, and Space Systems.

**Due Date:** 4/24/2015

**Funding:** See Solicitation

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254308>

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

**Program:** DoD Peer Reviewed Medical Investigator-Initiated Research Award

**Description:** The PRMRP Investigator-Initiated Research Award is intended to support studies that will make an important contribution toward research and/or patient care for a disease or condition related to at least one of the Congressionally directed FY14 PRMRP Topic Areas. See Program Announcement for topic areas. The rationale for a research idea may be derived from a laboratory discovery, population-based studies, a clinician's first-hand knowledge of patients, or anecdotal data. Applications must include relevant data that support the rationale for the proposed study. These data may be unpublished or from the published literature

**Due Date:** 10/17/2014

**Funding:** \$76,500,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254513>

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

**Program:** DoD Autism Clinical Trial Award

**Description:** The ARP Clinical Trial Award supports research with the potential to have a major impact on the treatment or management of ASD. Funding from this award mechanism must support a clinical trial and may not be used for preclinical research studies. A clinical trial is defined as a prospective accrual of human subjects where an intervention (e.g., device, drug, biologic, surgical procedure, rehabilitative modality, behavioral

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 on the PI's research and career development. It should be clear that the 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 members, their families, and other military beneficiaries. The "Special Focus" of this award mechanism is on the cancers associated with 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 OICRP 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-based studies, a clinician's first-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

(SOF) in field environments. Proposed projects must be unique to the requirements of SOF who typically conduct combat operations in austere, remote locations without timely access to medical evacuation or elevated levels of medical care. It is these far-forward and/or isolated operations that make SOF medicine unique and result in material solutions characterized by ruggedness, light weight, small volume, and low power requirements. USSOCOM is also interested in research that will lead to improved techniques and procedures that do not necessarily require new material. This BAA provides a general description of USAMRMC's research and development programs, including: research areas of interest; general information; evaluation and selection criteria; and proposal/application preparation instructions. Research and development funded through this BAA is intended and expected to benefit and inform both military and civilian medical practice and knowledge

**Due Date:** 7/31/2014

**Funding:** \$2,800,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=253922>

**Agency:** Department of Defense  
National Geospatial Intelligence Agency

**Program:** National Geospatial-Intelligence Agency Academic Research Program

**Description:** NGA welcomes all innovative ideas for path-breaking research that may advance the GEOINT mission. The NGA mission is to provide timely, relevant, and accurate geospatial intelligence (GEOINT) in support of national security objectives. GEOINT is the exploitation and analysis of imagery and geospatial information to describe, assess, and visually depict physical features and geographically referenced activities on the Earth. NGA offers a variety of critical GEOINT products in support of U.S. national security objectives and Federal disaster relief, including aeronautical, geodesy, hydrographic, imagery, geospatial and topographical information. The NGA Academic Research Program (NARP) is focused on innovative, far-reaching basic and applied research in science, technology, engineering and mathematics having the potential to advance the GEOINT mission. The objective of the NARP is to support innovative, high-payoff research that provides the basis for revolutionary progress in areas of science and technology affecting the needs and mission of NGA.

**Due Date:** 9/30/2017

**Funding:** Total Funding: \$7,200,000; Award Ceiling: \$7,200,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254129>

**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 listed: TOF-SIMS Analysis Techniques for Trace Detection of Semiconductor Fabrication Process Contamination; Black Box Hardware State Machine Characterization; Towards more secure transportable media solutions; Exploration of Defense-Related Implications of Time-Varying Nuclear Decay Parameters; Radiation Effects in Memristive Structures.

**Due Date:** 5/22/2014

**Funding:** Total Funding: \$200,000; Award Ceiling: \$40,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254175>

**Agency:** Department of Defense

**Program:** Missile Defense Agency STEM Outreach B.E.S.T. Robotics Grant

**Description:** MDA Science, Technology, Engineering, and Mathematics (STEM) Outreach The purpose of this announcement is to allow new, novice, and veteran official BEST Robotics Local Competition Hubs the opportunity to obtain financial support for purchasing new team robotic kits. The additional robotics kits increases the number of competing teams and advances the awareness of and engagement in STEM with K-12 populations. Proposal submissions are limited to Local Competition Hubs, approved by BEST Robotics Inc.'s National Headquarters and managed by a Higher Education Agency (HEA) - junior college or four-year college/university. BEST Robotics Regional and World Competition hubs are excluded from applying to this grant opportunity.

**Due Date:** 5/19/2014

**Funding:** \$8,600 award limit

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254402>

**Agency:** Department of Education  
Office of Special Education and Rehabilitative Services (OSERS)

**Program:** Rehabilitation Services Administration (RSA): Braille Training Program



**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:** Disseminating and Implementing Evidence from Patient-Centered Outcomes Research in Clinical Practice Using Mobile Health Technology (R21)

**Description:** This program invites applications for developmental research projects on using mobile health technology (mHealth) to facilitate the dissemination and implementation of findings from patient-centered outcomes research (PCOR) into clinical practice. The purposes of this funding is to develop and evaluate the effectiveness of novel approaches that use mHealth tools to enable the timely incorporation and appropriate use of PCOR evidence in clinical practice.

**Due Date:** 8/4/2014

**Funding:** Total Funding: \$1,500,000; Award Ceiling: \$150,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254472>

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

**Program:** NLM Information Resource Grants to Reduce Health Disparities (G08)

**Description:** This announcement solicits resource grant applications for projects that will bring useful, usable health information to health disparity populations and their health care providers. Access to useful, usable, understandable

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 plan and team, each CEGS will nurture genomic science at its institution by facilitating the interaction of investigators from different disciplines, and, by providing training to new and experienced investigators, it will expand the pool of highly-qualified professional genomics scientists and engineers.

**Due Date:** 5/20/2016

**Funding:** See Solicitation

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254397>

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

**Program:** Morris K. Udall Centers of Excellence for Parkinson's Disease Research (P50)

**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

**Funding:** See Solicitation

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254350>

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

**Program:** Epidemiology and Prevention in Alcohol Research (R01)

**Description:** This announcement encourages the submission of investigator-initiated research grant applications to support research investigating the epidemiology of alcohol use, alcohol-related harms, and alcohol use disorders and the prevention of underage drinking, alcohol-related harms, and alcohol use disorders.

**Due Date:** 9/7/2017

**Funding:** See Solicitation

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254262>

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

**Program:** Exploratory Clinical Trial Grants in Arthritis and Musculoskeletal and Skin Diseases (R21)

**Description:** The goal of this funding is to foster the development and implementation of interventional exploratory clinical trials aimed at providing clinically meaningful improvements in symptoms, function or disease course for patients with rheumatic, musculoskeletal or skin diseases. The trials must address research questions related to the mission and goals of the NIAMS and may evaluate drugs, biologics, devices, or surgical, dietary, behavioral or rehabilitation therapies. This Exploratory Clinical Trials Grants Program is designed to facilitate the execution of creative, short-term interventional studies to obtain the experimental data needed to launch future clinical trials. The proposed trials should strive to investigate new ideas and may use creative trial designs. Proposed studies should focus on research questions that have the potential to contribute critical clinically-relevant data in support of a future, more robust clinical trial, or that can impact and benefit clinical decision making at the patient level.

**Due Date:** 3/1/2017

**Funding:** \$400,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254258>

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

**Program:** NIDA Core Center of Excellence Grant Program (P30)

**Description:** NIDA Core Center of Excellence Grants (P30) are intended to bring together investigators currently funded by NIH or other Federal or non-Federal sources, to enhance the effectiveness of existing research and also to extend the focus of research to drug abuse and addiction. It is

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 reflect a relationship to the integrating theme of the Center and the Center is expected to support the education, training, and mentoring of new investigators, and share findings, data and their resources.

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

**Funding:** See Solicitation

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254208>

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

**Program:** Enabling Resources for Pharmacogenomics (R24)

**Description:** The purpose of this announcement is to support critical enabling resources that will accelerate new research discoveries and/or implementation of research discoveries in pharmacogenomics. A proposed resource must meet an ascertained community demand and benefit the entire scientific field of users. The FOA will support activities that can be clearly and specifically defined, are optimally designed, have evaluative measures built-in, are judiciously staffed, have formed partnerships where appropriate, and ideally have a proven track record and a finite lifetime. The outcome of an enabling resource must be highly impactful in a demonstrable way. Advance consultation with Scientific/Research staff to ensure that a proposed resource fits well with this opportunity is highly encouraged.

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

**Funding:** See Solicitation

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254149>

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

**Program:** Predoctoral Training in Biomedical Big Data Science (T32)

**Description:** The purpose of this announcement is to solicit applications for graduate training programs in Big Data Science, for the expressed purpose of training the next generation of scientists who will develop computational and quantitative approaches and tools needed by the biomedical research

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

pathogenesis. This initiative is funded through the NIH Common Fund, which supports cross-cutting programs that are expected to have exceptionally high impact.

**Due Date:** 6/23/2014

**Funding:** Total Funding: \$1,000,000; Award Ceiling: \$150,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254072>

**Agency:** Department of Health and Human Services  
Office of the Assistant Secretary for Health

**Program:** HIV/AIDS Initiative for Minority Men (AIMM)

**Description:** The mission of the OMH is to improve the health of racial and ethnic minority populations through the development of health policies and programs to eliminate health disparities. The OMH serves as the focal point in the HHS for leadership, policy development and coordination, service demonstrations, information exchange, coalition and partnership building, and related efforts to address the health needs of racial and ethnic minorities. Consistent with the goals of the Presidents National HIV/AIDS Strategy (NHAS), the AIMM Initiative employs an evidence-based disease management and preventive health programs and support services that targets young racial and ethnic MSM and young minority males living with HIV/AIDS or at high-risk for HIV infections to increase access to care and reduce health disparities. The AIMM aligns with the goals of the NHAS to: Reduce new HIV infections; Increase access to care and improve health outcomes for people living with HIV; Reduce HIV-related disparities and health inequities; and Achieve a more coordinated National response to the HIV epidemic.

**Due Date:** 6/9/2014

**Funding:** Total Funding: \$1,500,000; Award Ceiling: \$375,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254354>

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

**Program:** BJA FY 14 Swift and Certain Sanctions (SAC) Training and Technical Assistance Resource Center

**Description:** There are a multiple states, counties, and cities that are interested in implementing "Swift and Certain" (SAC) models of supervision with offenders in the community. This interest has grown out of the potential promise that these SAC models have shown in effectively reducing

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



**Program:** NIJ FY 14 Methodological Research to Support NIJ's Program of Research Examining Violence and Victimization of American Indian (AI) and Alaska Native (AN) Youth

**Description:** In partnership with the Office of Juvenile Justice and Delinquency Prevention (OJJDP) and the Office for Victims of Crime (OVC), NIJ seeks proposals for research that will provide prevalence data and research detailing the occurrence and forms of victimization experienced by American Indian (AI) and Alaska Native (AN) youth living in or near tribal communities. In particular, NIJ seeks proposals to develop and test optimum data collection procedures for self-report data on violence and victimization experienced by AI and AN youth living in tribal communities or settings. The focus of the work under this solicitation is to develop, implement, and pilot test a survey and methods for providing estimates of victimization, and to determine the feasibility of using these procedures in tribal communities and settings.

**Due Date:** 6/17/2014

**Funding:** \$750,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254088>

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

**Program:** NIJ FY 14 Online Flight Data and Incident Reporting System for Public Safety Use of Small Unmanned Aircraft Systems (sUAS)

**Description:** NIJ seeks proposals to develop, host, and maintain a web-based, online flight data and incident reporting system to, subject to law enforcement and national security concerns and limitations: (1) collect flight-operations data from law enforcement and other public safety agencies from their use of sUAS (defined as UAS weighing less than 55 lbs.); and to (2) make that information publically available for analysis by entities interested in the use of sUAS in the national air space (NAS). In making this data readily accessible to the public, NIJ seeks to make possible further research and study of law enforcement and public safety sUAS flight operations, and through such research to improve the safety and increase the operational efficiency of law enforcement sUAS operations. This system is not intended to collect, store or disseminate either law enforcement sensitive or classified national security information, as this information cannot be made readily available to the public.

**Due Date:** 6/16/2014

**Funding:** \$250,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254050>

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

**Program:** NIJ FY 14 Developing Knowledge About What Works to Make Schools Safe

**Description:** NIJ seeks proposals to develop knowledge about the effects of personnel, programs, and activities on school safety in the United States. Funds are available to local education agencies (LEAs), public charter schools that are recognized as an LEA and State educational agencies (SEAs). Applicants are expected to enter into an agreement to partner with highly qualified researchers and research organizations to test whether an intervention helps us understand what works in making schools safer. One example of a permissible intervention under this solicitation would be schools hiring school resource officers or mental health service providers. Applicants and their research partners have considerable discretion in determining the kinds of research and safety initiatives to test based on the most meaningful initiatives in their particular jurisdictions. However, NIJ is particularly interested in the impact on school safety of mental health services, public safety and preparedness (such as the use of school resource officers), and school climate and culture programs.

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

**Funding:** Total Funding: \$47,000,000; Award Ceiling: \$5,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254023>

**Agency:** Department of State  
Office of the Coordinator for Counterterrorism

**Program:** CT-Multilateral Affairs Proposals on Countering Terrorism and Violent Extremism

**Description:** The U.S. Department of State's Bureau of Counterterrorism (CT) announces a Request for Applications from organizations interested in submitting proposals for projects that work to support U.S. Government and Global Counterterrorism Forum (GCTF) objectives on countering terrorism and violent extremism.

**Due Date:** 5/31/2014

**Funding:** \$700,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254085>

**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:** STMD's Game Changing Development (GCD) Program focuses on maturing advanced space technologies that may lead to entirely new approaches for the Agency's future space missions across the mid-technology readiness levels (TRL), namely TRL 3-5. This announcement seeks proposals for the maturation of promising atmospheric revitalization system technologies required to enable NASA's human exploration 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 must develop novel technologies with the potential to "close" the

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

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254078>

**Agency:** National Archives and Records Administration

**Program:** Publishing Historical Records in Documentary Editions

**Description:** The National Historical Publications and Records Commission seeks proposals to publish documentary editions of historical records. These editions publish historical records of national significance and may focus on the papers of major figures from American life or cover broad historical movements in politics, military, business, social reform, the arts, and other aspects of the national experience. The historical value of the records and their expected usefulness to broad audiences must justify the costs of the project. The goal of this program is to provide access to and editorial context for the historical documents and records that tell the American story. The NHPRC encourages projects, whenever possible and appropriate, to provide access to these materials in a free and open online environment, without precluding other forms of publication. Grants are awarded for collecting, describing, preserving, compiling, editing, and publishing documentary source materials in print and online.

**Due Date:** 12/4/2014

**Funding:** Total Funding: \$2,500,000; Award Ceiling: \$200,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254009>

**Agency:** National Archives and Records Administration

**Program:** Literacy and Engagement with Historical Records

**Description:** The National Historical Publications and Records Commission seeks projects that explore ways to improve digital literacy and encourage citizen engagement with historical records. The Literacy and Engagement grant program offers support for projects that will result in archives reaching

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, evaluate, and use primary source documents online. 2. Create or develop new online tools and applications, including mobile apps, to enhance public understanding and access to historical records. 3. Enlist "citizen archivists" in projects to accelerate digitization and online public access to historical records. This may include, but is not limited to, improving crowdsourcing efforts for identifying, tagging, transcribing, annotating, or otherwise enhancing digitized historical records. The NHPRC is looking for projects to experiment with new techniques and methods in these three areas that will provide models for other organizations and that people and institutions can adopt for free

**Due Date:** 12/4/2014

**Funding:** Total Funding: \$500,000; Award Ceiling: \$150,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=253905>

**Agency:** National Archives and Records Administration

**Program:** Access to Historical Records

**Description:** The National Historical Publications and Records Commission seeks proposals that promote the preservation and use of the nation's most valuable archival resources. This grant program is designed to support archival repositories in preserving and processing primary source materials. The program emphasizes the creation of online tools that facilitate the public discovery of historical records. For a list of the types of projects this will fund, see the solicitation.

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

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

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=253892>

**Agency:** National Archives and Records Administration

**Program:** State Board Public Programming Grants

**Description:** The National Historical Publications and Records Commission seeks proposals that strengthen the nation's archival network through activities undertaken by state historical records advisory boards (SHRABs). The

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:** The National Historical Publications and Records Commission desires to make historical records of national significance to the United States broadly available by disseminating digital surrogates on the Internet. Projects may focus on the papers of major figures from American life or cover broad historical movements in politics, military, business, social reform, the arts, and other aspects of the national experience. The historical value of the records and their expected usefulness to broad audiences must justify the costs of the project. The Commission will not consider proposals that charge for access. Grants are awarded for digitizing documentary source materials. Applicants may digitize a single collection or set of collections for online dissemination. Such online editions should provide basic access to collections. In addition, applicants may apply for support to undertake more complex work, such as document transcription, tagging, or geo-referencing, if these additional access points are justified by the value of the material and its expected users.

**Due Date:** 12/4/2014

**Funding:** Total Funding: \$500,000; Award Ceiling: \$150,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=253897>

**Agency:** National Endowment for the Humanities

**Program:** Humanities Collections and Reference Resources

**Description:** The Humanities Collections and Reference Resources (HCRR) program supports projects that provide an essential underpinning for scholarship, education, and public programming in the humanities. Thousands of libraries, archives, museums, and historical organizations across the country maintain important collections of books and manuscripts,

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:** All four clusters within the Division of Environmental Biology (Population and Community Ecology, Ecosystem Science, Evolutionary Processes, and Systematics and Biodiversity Science) encourage the submission of proposals aimed at synthesizing a body of related research projects conducted by a single individual or a group of investigators over an extended period. OPUS proposals will often be appropriately submitted in mid-to-late career, but will also be appropriate early enough in a career to produce unique, integrated insight useful both to the scientific community and to the development of the investigator's future work. In cases where multiple scientists have worked collaboratively, an OPUS award will provide support for collaboration on a synthesis.

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

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

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254227>

**Agency:** National Science Foundation

**Program:** GeoPRISMS Program

**Description:** GeoPRISMS (Geodynamic Processes at Rifting and Subducting Margins) is the successor to the MARGINS Program. GeoPRISMS will investigate the coupled geodynamics, earth surface processes, and climate interactions that build and modify continental margins over a wide range of timescales. These interactions cross the shoreline and have applications

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 include 1) Origin and evolution of continental crust; 2) Fluids, magmas and their interactions; 3) Climate-surface-tectonics feedbacks; 3) Geochemical cycles; and 5) Plate boundary deformation and geodynamics.

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

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

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=253686>

**Agency:** National Science Foundation

**Program:** Advancing Informal STEM Learning

**Description:** The Advancing Informal STEM Learning (AISL) program seeks to advance new approaches to and evidence-based understanding of the design and development of STEM learning in informal environments; provide multiple pathways for broadening access to and engagement in STEM learning experiences; advance innovative research on and assessment of STEM learning in informal environments; and develop understandings of deeper learning by participants. The AISL program supports six types of projects: (1) Pathways, (2) Research in Service to Practice, (3) Innovations in Development, (4) Broad Implementation, (5) Conferences, Symposia, and Workshops, and (6) Science Learning+ Proposals.

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

**Funding:** Total Funding: \$32,000,000; Award Ceiling: \$3,000,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=253685>

**Agency:** Nuclear Regulatory Commission

**Program:** U.S. Nuclear Regulatory Commission Funding Opportunity Announcement, Research Grant and Cooperative Agreement Program, Fiscal Year 2014

**Description:** The U.S. Nuclear Regulatory Commission (NRC) was created as an independent agency by Congress in 1974 to enable the nation to safely



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 protect the environment. The NRC's Office of Nuclear Regulatory Research (RES) furthers the agency's 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 Investigators (PIs) in areas representing the investigators' specific interests and competencies, based on the mission of the NRC to conduct independent research and analyses, develop technical bases for supporting realistic safety decisions, and evaluate safety issues involving current and new designs and technologies related to nuclear power and materials.

**Due Date:** 5/19/2014

**Funding:** Total Funding: \$1,000,000; Award Ceiling: \$225,000

**Website:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=254028>