

THE STATE UNIVERSITY SYSTEM OF FLORIDA

WASHINGTON E-UPDATE

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October 2017

Budget and Appropriations Update – After a month-long break, Congress returned to work after Labor Day, only to be confronted with some tough issues that had to be resolved by September 30: According to the Treasury Department, lawmakers would have to vote to raise the federal debt ceiling or default on the government's obligations and risk triggering a global financial crisis. September 30 also marked the end of the government's fiscal year, when funding for most federal programs would run out.

Congress and the president—as they are wont to do—decided to kick the can down the road.

President Trump and a bipartisan group of congressional leaders agreed to temporarily suspend the debt ceiling and to put government programs on a continuing resolution, both through December 8. In addition, Congress voted to finance Hurricane Harvey disaster relief, at least for the short-term.

The three-month punt avoided the threat of a government shutdown, and allows Congress enough time to forge a final spending deal for the rest of fiscal year 2018.

In the meantime, House lawmakers voted to wrap all 12 fiscal year 2018 appropriations bills into a single \$1.23 trillion omnibus spending package. The package has little chance of getting through the Senate, with Democrats balking at the inclusion of \$1.6 billion in border wall funding that President Trump requested. The measure also exceeds discretionary spending limits for defense programs by approximately \$72 billion.

Before the end of the year, presumably, lawmakers will strike a deal to raise the spending caps that have taken their toll on both defense and nondefense social programs. Talks to arrive at a deal have not yet begun but now that the 2017 fiscal year ended Saturday at midnight many believe negotiations will begin soon.

Congress passes hurricane tax relief with FAA extension

In the wake of the hurricanes in Florida and Texas, legislation to provide tax breaks for hurricane victims has been on a fast track in Congress. This is distinct from the broader tax reform being contemplated on Capitol Hill and promised by the President.

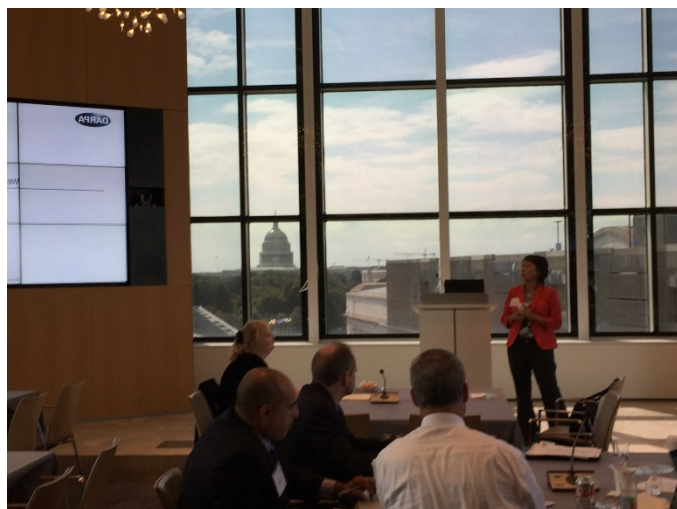
Congress cleared a 6-month extension of the current FAA authorization September 28 and packaged it with tax relief measures for victims of Hurricanes Harvey, Irma and Maria. The FAA bill had been set to expire September 30, the end of the fiscal year.

Originally, the House bill had included provisions to allow privatizing the National Flood Insurance program, but when it got to the Senate, Florida Senator Bill Nelson objected to that approach and he was joined by the two Louisiana Senators. Eventually the provision was dropped, the rest of the bill was approved and sent back to the House for a final vote where it was passed by a vote of 264-155. Because the tax provisions do not apply to victims of Superstorm Sandy, several Congressmen from the northeast objected.

The tax measures in the bill will allow taxpayers in affected areas to deduct all losses from their income tax without the normal requirement that the loss has to exceed 10% of adjusted gross income, and taxpayers do not have to itemize deductions to claim the benefit.

Congress will need to restore funding for the National Flood Insurance Program before it runs out of money, likely during October. The program was already \$24.6 billion in debt before Hurricanes Irma and Harvey hit, largely because of losses from Hurricanes Katrina and Rita, and Superstorm Sandy in 2012. FEMA has borrowing authority for \$5.8 billion but will clearly need more to deal with the latest storm damage claims. Just before the latest storm hit Florida, Congress extended the authorization for the Flood Insurance Program until December 8 but no provisions were included to increase the borrowing limits or provide extra funding for the flood insurance program.

5th Annual SUS R&D agency workshop held in Washington



Dr. Stefanie Tompkins, DARPA deputy director, addresses SUS workshop on September 26.

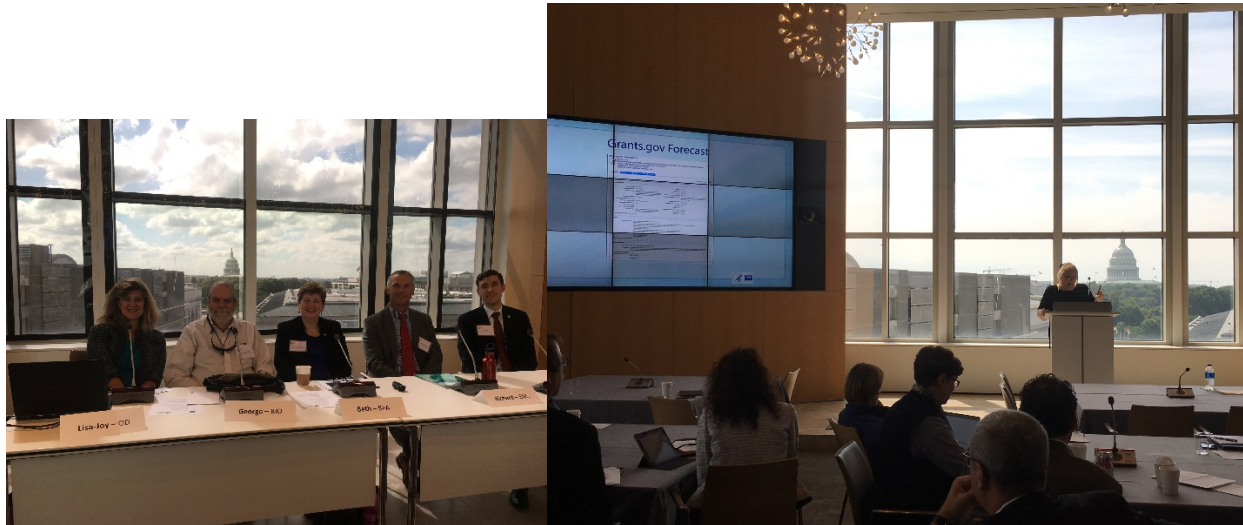
Research directors, administrators and key scientific faculty from across SUS institutions attended the fifth annual SUS Federal R&D Agency Workshop held on Capitol Hill September 26-27.

The workshop was planned to allow top agency directors an opportunity to brief SUS personnel on upcoming budget, policy and scientific priorities for the next few years.

The workshop sought to inform the nearly 70 participants with discussions of federal programs and opportunities in key research areas that Florida

universities are working in and hope to take advantage of and benefit from. The first day

featured a keynote on the outlook for Federal R&D investments and presentations from key defense and non-defense research leaders in areas of interest for Florida universities. Matt Hourihan, Director of the R&D Budget and Policy Program at AAAS, detailed the Administration's budget proposals and priorities across all federal science programs. The second day was devoted entirely to covering the directorates and cross cutting programs at the National Science Foundation.



Program staff (left) from the National Science Foundation led discussions on the agency's directorates and programs. Wendy Leonard (right) from the Army Research Lab discussed the Open Campus Program.

Presentations involved senior officials from the:

- Center for Scientific Review at the National Institutes of Health
- Centers for Disease Control and Prevention
- National Initiative for Cybersecurity Education
- Defense Advanced Research Projects Agency
- Army Research Lab
- Office of Naval Research, and the
- National Science Foundation

Vice Chancellor for Academic and Student Affairs Jan Ignash moderated the meeting. A consistent theme to emerge from each speaker was the desire for engagement between universities and agencies represented. Agency leaders encouraged university researchers to reach out to program managers to begin conversations about their current research or research ideas and the possibility of funding opportunities. The slide presentations for each speaker will be available on the SUS website.

Perkins program expires after extension bill blocked in the Senate

The Perkins loan program expired at the end of the fiscal year, September 30, after Senator Lamar Alexander (R-TN) blocked legislation in the Senate last week to extend the program.

Sen. Alexander is chair of the Senate HELP Committee with jurisdiction over education programs. He has been a longtime opponent of the program and instead favors reauthorizing the Higher Education Act to simplify all loan and grant programs in higher education.

"It is time for our country, through legislation by this Congress and attempted to pass it through an expedited process requiring unanimous consent, to move on to a simplified federal student aid program, that has only one federal loan for students, one federal grant for students and one work-study program for students," he said on the Senate floor in explaining his opposition.

In a statement later, Sen. Alexander said: "In 2015, Congress passed a bipartisan law to phase out the Perkins Loan program as a part of a longer-term effort to simplify federal student aid. The Senate education committee will begin this fall to reauthorize the Higher Education Act, and my hope is that we can move toward a simplified student aid system of one grant, one loan and one work-study program."

The Perkins program provided \$1.2 billion in funds to 528,000 students in the 2014-15 school year, and was supported by colleges and universities as well as lawmakers from both parties. Senators Tammy Baldwin (D-WI) and Rob Portman (R-OH) led a bipartisan bill, S 1808, to provide an extension until 2019 and was being considered under an expedited process before Alexander blocked it.

The last time the program was reauthorized in 2015 it had expired for several months before senators reached an agreement to continue it temporarily. As part of the agreement, Perkins aid ended for graduate students in 2016 and required colleges and universities to let undergraduates know that the program would end in October 2017.

Education department issues policy change on campus sexual assault

Secretary of Education Betsy DeVos announced September 22 her department's plan to replace the Obama-era guidance on campus sexual assault, enforced under Title IX. DeVos released a new [Q&A](#) document which informs schools on how the Office of Civil Rights will "assess a school's compliance with Title IX."

Through her efforts to make changes to the current policy, DeVos said she is aiming to create a policy which will better protect both the victims and the accused students involved in campus sexual misconduct. The DOE reports that this new Q&A will serve as an "interim guide" until the formal public notice and comment process can be undertaken.

The department also announced that it will be withdrawing the 2011 Dear Colleague Letter and the 2014 Q&A on Title IX Sexual Violence, both issued during the Obama Administration. DeVos says that she wants the new approach to be “fair and impartial.” The DOE statement can be found [here](#).

On September 25, 32 Senate Democrats sent a letter to the Secretary stating that they are “extremely disappointed” in her attempt to replace the Obama-era changes to Title IX and they asked that she “immediately reinstate the previous guidance” provided by the “2011 and 2014 Department of Education.” Read the letter [here](#).

Earlier this month, former Vice President Joe Biden released a video recognizing the 3 year anniversary of the ‘It’s On Us’ campaign, which he launched in 2014 with former President Barack Obama. In the video, which can be found [here](#), Biden responded to the proposed policy change and urged individuals to assist him in ending sexual discrimination and assault. Following his video, in a [Facebook](#) post, Biden called DeVos’ decision to rewrite Title IX is “devastating.”

Automatic indexing for Pell grants at risk

The automatic inflation index for the Pell Grant program, established as part of the 2010 Obamacare health law, is set to expire next June and some lawmakers are hoping to provide an extension of the provision in an end of year spending bill.

Without the inflation provision in current law, students receiving the maximum Pell Grant of \$5,920 would be getting \$370.

Committees so far have rejected amendments to extend inflation link for Pell Grants. Rep. Sheila Jackson Lee (D-TX) attempted to amend the fiscal 2018 budget resolution being written by the House Budget Committee and Rep. Mark Pocan, (D-WI) attempted to amend the fiscal 2018 Labor-HHS-Education spending bill (HR 3358) in the House Appropriations Committee; both were rejected.

In 2013, the Congressional Budget Office predicted that indexing the grant program would cost about \$2.9 billion a year. A number that worries those who oppose the index.

Even though the program has an \$8.5 billion surplus currently, opponents of the indexing provision believe that assuring the long-term sustainability of the program with a lower cost is more important, especially if a recession were to occur.

Many in Congress believe the issue will be resolved during the upcoming reauthorization of the Higher Education Act.

The Pell program is partially funded through annual discretionary funding in the appropriations process and the issue could be resolved there on a temporary basis. Senate Labor-HHS-Education appropriations chairman Roy Blunt (R-MO) has said his committee is considering the issue as part of the process to write its final 2018 spending bill.

DoD reorganizing R&D management structure

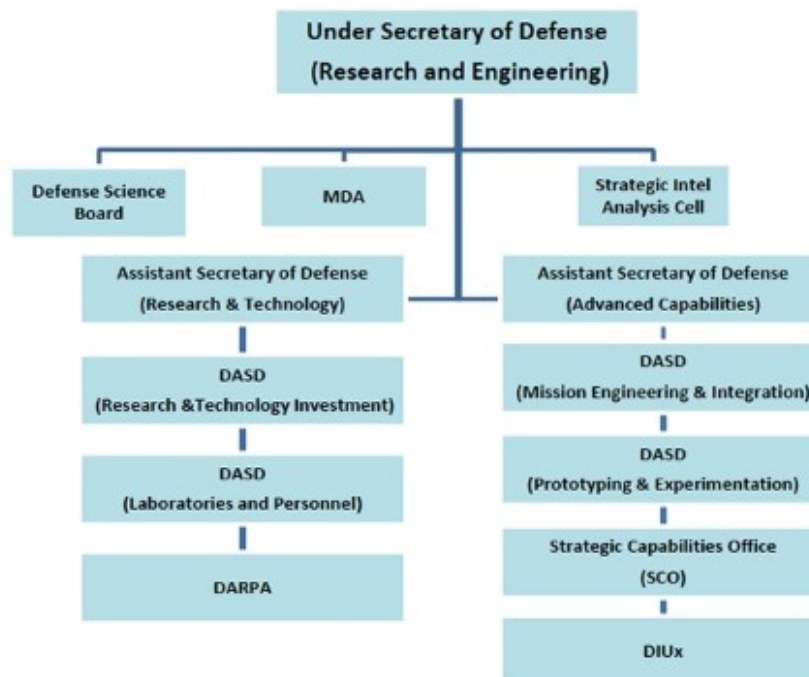
The Defense Department recently announced its plan for complying with the 2017 National Defense Authorization Act to restructure its research and engineering efforts. “Report to Congress Restructuring the Department of Defense Acquisition, Technology and Logistics Organization and Chief Management Officer Organization,” outlined the changes.

The law calls for creating a new position of undersecretary for research and engineering to drive innovation, and the reorganization must be complete next February.

Many of the so-called [Third Offset initiatives](#) will be placed under a new assistant secretary for advanced capabilities.

The report states that DoD intends to “reorganize to better pursue the goals of technological superiority, affordable systems, and well managed business operations... This new organization refocuses the Office of the Secretary of Defense’s (OSD) principal role from program oversight to that of directing major Department investments to ensure integrated, technically superior capability that consistently outpaces the threat.”

To comply with the law, DARPA will now report to a new assistant secretary for research and technology. To read the plan, [click here](#). The new organization chart is below:



Draft for higher education act expected in the House this fall

Republicans on the House Education and Workforce Committee are close to introducing a draft bill this fall to reauthorize the Higher Education Act.

The Committee headed by Rep. Virginia Foxx (R-NC) is planning to consolidate grant, loan and other student aid programs while also focusing on efforts to prepare students for success in the workforce.

Rep. Foxx said recently, “We’ve talked a lot about loans, in particular, and financial aid and what can we do,” Foxx said. “We’ve been talking about one grant, one loan, one work study. Everything we can do to simplify, we want to do.”

Committee member Rep. Bradley Byrne (R-AL) told a reporter, “A tremendous amount of work has been done on it and we’ve had lots of discussions. I personally feel ready to go ahead and act on it and, talking to other members of the committee, I get the same sense from them.”

Two Committee members, Rep. Paul Mitchell (R-MI) and Jared Polis (D-CO) and others have authored a bill to end the ban on the Education Department collecting student-level data. Foxx said she is “not in favor” of lifting the ban and allowing the government to track students. “We can never make it totally secure,” she said, adding that even if third parties were involved in the current system, it seems to be working and the committee should “leave it like it is.” Broad changes in accreditation are not expected in the legislation.

Open access bills filed

Bipartisan legislation to achieve “open access” has again been introduced in the House and Senate to require all federal agencies with extramural research budgets of more than \$100 million to implement policies for increasing public access to publications resulting from supported research.

The Senate bill, Fair Access to Science and Technology Research Act, (or FASTR) was sponsored by Sens. John Cornyn (R-TX) and Ron Wyden (D-OR.) IT would require free online access to manuscripts 12 months after publication, as outlined by the White House Office of Science and Technology Policy in 2013. House bill HR 3427 with the same title would seek publication within six months of publishing. It was introduced by Rep. Michael Doyle (D-PA) and Kevin Yoder (R-KS.)

The public-access policy does not apply to laboratory notes, preliminary data analyses, author notes, phone logs, or other information used to produce the final manuscript. The policy does not apply to classified research, research that results in works that generate revenue or royalties for the author (such as books), or patentable discoveries to the extent necessary to protect copyright or a patent.

DACA decision draws criticism from higher education groups

Higher education organizations issued statements this month urging Congress to respond to the need for legislation to deal with President Trump's decision to end the DACA program.

The American Association for the Advancement of Science said it "seriously opposes" the President's decision and that "high-achieving young people in DACA contribute in many ways to our nation." The statement by AAAS CEO Rush Holt continued, "... our nation's immigration policies have profound implications for scientific – as well as humanitarian and economic – interests. Our nation needs an immigration policy that advances U.S. innovation and prosperity and stays true to foundational American goals that seek contributions to society from all."

Before the decision was announced, the American Council on Education led a joint letter signed by many education groups urging the President to preserve DACA while working with Congress in crafting a permanent solution for 'Dreamers.' After the decision was announced ACE President Ted Mitchell issued a statement and urged quick action by Congress saying: "There are several models that Congress should consider, including the Dream Act (S. 1615), which ACE and most of the higher education community has long supported. Another path forward would be the BRIDGE Act (S. 128) that Sens. Lindsey Graham (R-SC) and Dick Durbin (D-IL) introduced earlier this year. At a minimum, we urge Congress to build the current DACA provisions into statute."

The University of California system filed suit against the Administration on September 6 on the basis that the Trump decision was unconstitutional. To read the statement of the lawsuit, [click here](#).

California Attorney General Xavier Becerra also announced a lawsuit challenging the administration's DACA plan and fifteen other states filed a similar legal challenges.

Air Force to conduct major review of its research efforts

The Air Force announced September 18 that it was beginning a year-long review of its research policy and strategy, to be led by the Air Force Research Laboratory. A similar review is under way by the Air Force Scientific Advisory Board.

The review will focus on three key areas. The Air Force will identify high priority research areas for basic and applied research important to air and space power over the next 10-20 years.

The review will also evaluate how the Air Force can more productively partner with states, consortia, universities and other non-federal research entities to advance knowledge and its application. The Air Force is interested in potentially new management structures and approaches for its research portfolio.

Finally, it will guide the Air Force in adjusting the ways it can stay on the cutting edge of technology for the long term by examining the strategies pursued by some of the world's most innovative organizations.

ARPA-E reauthorization drafted

Legislation was filed in the House September 6 to reauthorize the Energy Department's ARPA-E program (Advanced Research Projects Agency–Energy.)

House Science Committee ranking member Eddie Bernice Johnson (D-TX) introduced the five-year [ARPA-E Reauthorization Act](#), H.R. 3681 along with eight other Members of Congress including Republican Ryan Costello (PA.)

The bill has bipartisan support and authorizes growth in funding for ARPA-E through 2022. The Trump administration's budget proposal for 2018 recommended eliminating the program and the House Appropriations Committee bill agreed with the concept.

The sponsors believe that increased funding for ARPA-E is consistent with recommendations of many respected industrial and academic institutions and organizations in recent years, including a National Academies [assessment](#). The bill includes a provision which ensures that sensitive proprietary business information collected by ARPA-E remains protected.

Senate hearings held for science agency nominees

The Senate Commerce committee held nomination hearings September 27 for President Trump's nominees for two science agencies.

Walter Copan was nominated to be director of the National Institute of Standards and Technology and Rear Admiral Tim Gallaudet was selected to be assistant secretary of commerce for oceans and atmosphere and deputy director of NOAA.

Dr. Copan is President and CEO of IP Engineering Group Corporation and Board member of Rocky Mountain Innovation Partners, supporting Federal labs, academic institutions, and entrepreneurial businesses. He was Managing Director—Technology Commercialization and Partnerships at Brookhaven National Laboratory, and Technology Transfer at the National Renewable Energy Laboratory.

Dr. Copan earned dual undergraduate degrees, and a Ph.D. in physical chemistry from Case Western Reserve University. He has served as board member and advisor to many organizations, including the Federal Laboratory Consortium. Copan has dedicated much of his career to facilitating technology transfer between the public and private sectors.

Adm. Gallaudet retired from the Navy August 31 following a 28-year military career. Most recently he was head of the Naval Meteorology and Oceanography Command and Oceanographer of the Navy. He has a PhD in oceanography from the Scripps Institute of Oceanography and is a Naval Academy graduate.

NASA

The Administration also plans to appoint Rep. Jim Bridenstine (R-OK) as director of NASA. Bridenstine is a former navy pilot and previously served as Executive Director of the Tulsa Air and Space Museum and Planetarium. He has previously introduced the [“American Space Renaissance Act,”](#) a space policy bill, and was a leader in the recently passed weather policy bill passed by Congress earlier this year.

Geologic mapping authorization introduced

Senators Lisa Murkowski (R-AK) and Angus King, (I-ME) introduced the [National Geologic Mapping Act Reauthorization Act](#), September 14 which renews a national program for the geological mapping of the United States.

The National Cooperative Geologic Mapping Program (NCGMP) was established through the National Geologic Mapping Act in 1992 and is administered by the U.S. Geological Survey. It was most recently reauthorized in 2009 and is set to expire in 2018.

The program allows USGS and state geological surveys to map high priority federal and state areas, and to train students at universities in geologic mapping.

“We don’t have a detailed geologic map for even one-third of the United States, yet it lays the foundation for minimizing risks from natural hazards and is the linchpin to reducing our nation’s dependence on foreign minerals,” Murkowski said. “Reauthorizing this widely-supported program will help ensure responsible land management and provide the tools required to educate our next generation of mappers.”

New NIH policy favors early career researchers

NIH has released new policy guidance in its Next Generation Researchers Initiative. The statement directs its grant making Institutes and Centers to prioritize applications that involve funding for early career scientists who only have one NIH grant.

The goal of the effort is to increase the number of NIH-funded early-stage investigators and assure that funded early-stage investigators have a reasonable chance to secure stable funding during the earliest stages of their independent research careers.

NIH Deputy Director for Extramural Research Michael Lauer posted a blog about the policy [here](#). He writes that it is intended to help deal with “worsening hyper competition that has led to severe challenges for biomedical scientists early in their career.”

Definitions include:

Early Stage Investigator: A Program Director / Principal Investigator who has completed their terminal research degree or end of post-graduate clinical training, whichever date is later, within the past 10 years. Furthermore, these applicants would not have competed successfully as a PD/PI previously for a substantial NIH independent research award. A list of NIH grants that a PI can hold and still be considered can be found at <https://grants.nih.gov/policy/early-investigators/list-smaller-grants.htm>.

Early Established Investigator: a PI within 10 years of receiving their first substantial, independent competing NIH R01 equivalent research award. Read the new policy [here](#).

Disaster resilience for biomedical research community examined

A new report by the National Academies of Sciences, Engineering, and Medicine offers recommendations on how best to enhance disaster resilience of the academic biomedical research community.

The country has experienced and continues to face the threat of disasters, and, like all entities, the academic biomedical research community can be affected. The academic biomedical research community is a hub of employment, economic productivity, and scientific progress.

Given the crucial contribution and substantial integration of these institutions into the national fabric, the Academies convened an expert committee to develop recommendations and guidance for the academic biomedical research community.

The resulting report, *Strengthening the Disaster Resilience of the Academic Biomedical Research Community: Protecting the Nation's Investment*, outlines the committee's vision of a resilient academic biomedical research community and how this vision can be achieved, with a focus on the potential actions academic research institutions, individual researchers, and research sponsors can take. To read the report, [click here](#).

Highlights of competitive grant opportunities at federal agencies

Agency: Agency for International Development
Zimbabwe USAID-Harare

Program: Integrated Maternal Neonatal Child Health and Family Planning (MNCH/FP) Program

Description: The goal is to build on the achievements of current USAID-supported activities, the purpose of the activity is improved maternal, youth, and child health and survival in beneficiary communities and populations. This activity will improve the health of women, youth, and children in Manicaland by strengthening maternal, newborn, child health and family planning (integrated MNCH-FP) service delivery throughout the continuum of care, i.e., from the home, to the community, to the primary care facility, and to the tertiary referral hospital.

Due Date: 10/6/2017

Funding: \$25,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=296970>

Agency: Department of Defense
NSWC - CRANE

Program: Time-Varying Nuclear Decay Parameters

Description: The purpose of this fund is to explore the existence of physical mechanisms of nuclear decay modulation.

Due Date: 10/6/2017

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297137>

Agency: Department of Energy
Office of Science

Program: Collaborative Research in Magnetic Fusion Energy Sciences on Long-Pulse International Stellarator Facilities

Description: The Fusion Energy Sciences of the Office of Science, U.S. Department of Energy, announces its interest in receiving applications to carry out experimental research in magnetic fusion energy sciences on long-pulse overseas stellarator facilities, namely Wendelstein 7-X (Germany) and the Large Helical Device (LHD – Japan).

Due Date: 11/28/2017

Funding: Total Funding: \$2,700,000 Award ceiling: \$600,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297586>

Agency: Department of Agriculture
Agricultural Marketing Service

Program: Specialty Crop Multi-State Crop

Description: The objective is to enhance the competitiveness of specialty crops through collaborative, multi-state projects that address the following regional or national level specialty crop issues: food safety; plant pests and disease; research; crop-specific common issues; and marketing and promotion.

Due Date: 10/24/2017

Funding: Total Funding: \$7,000,000 Award ceiling: \$1,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=295033>

Agency: Department of Defense
Department of the Army -- USAMRAA

Program: DoD Hearing Restoration Research Program Focused Research Award

Description: The goal is to support functional hearing restoration research that develops and validates assessment techniques and treatment methods using patient-centric outcomes to identify potential predictive indicators for successful treatment of individuals living with functional auditory system deficits.

Due Date: 11/15/2017

Funding: \$2,400,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297412>

Agency: Department of Defense
Department of the Army -- USAMRAA

Program: DoD Psychological Health/ Traumatic Brain Injury Research Program, Complex Traumatic Brain Injury Rehabilitation Research Clinical Research Award1

Description: The overarching goals of this award are to address TBI-related impairments and deficits including sensory, sensorimotor, and cognitive dysfunction to develop and validate rehabilitation outcome measures, define and evaluate mechanisms of injury progression or recovery associated with rehabilitation interventions; and improve clinician-driven assessment strategies to guide return-to-duty decision making.

Due Date: 12/27/2017
Funding: \$10,000,000
Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297121>
Contact: help@eBRAP.org

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

Program: Silicon Carbide High-Voltage Power Switches

Description: The purpose of a cooperative agreement is for the public purpose of support and stimulation of fundamental research and not the acquisition of property or provision of services for the direct benefit or use of the Government. The Recipient(s) of the cooperative agreements will work collaboratively with scientists from ARL to further this SiC HVPS program.

Due Date: 10/6/2017

Funding: \$2,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297184>

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

Program: Silicon Carbide Advanced Packaging of Power Semiconductors II

Description: The purpose of a cooperative agreement is for the public purpose of support and stimulation of fundamental research and not the acquisition of property or provision of services for the direct benefit or use of the Government. A Recipient of a cooperative agreement will work collaboratively with scientists from ARL to further the SiC APPS II program.

Due Date: 10/6/2017

Funding: \$2,500,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297220>

Agency: Department of Energy
Golden Field Office

Program: Advanced Power Electronics Design for Solar Applications

Description: This Announcement will fund research that can enable significant reductions in the lifetime costs of power electronics for solar photovoltaic energy that align with meeting the SunShot 2030 goals, and likewise enable versatile control functionalities to support grid integration of solar PV for enhanced grid services.

Due Date: 12/15/2017

Funding: Total Funding: \$20,000,000 Award Ceiling : \$3,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297217>

Agency: Department of Energy
National Energy Technology Laboratory

Program: Design and Testing of Advanced Carbon Capture Technologies

Description: The objectives of the Announcement are to continue the development of carbon capture technologies to either the engineering scale or to a commercial design.

Due Date: 10/31/2017

Funding: Total Funding: \$36,000,000 Award ceiling: \$10,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297592>

Agency: Department of Energy
Office of Science

Program: High-Energy-Density Laboratory Plasma Science

Description: The Fusion Energy Sciences program of the Office of Science and the Defense Program of the National Nuclear Security Administration, both of the U.S. Department of Energy, jointly announce their interests in receiving grant applications for new awards and grant renewals for research in the SC-NNSA Joint Program in High-Energy-Density laboratory plasmas

Due Date: 11/15/2017

Funding: Total Funding: \$24,000,000 Award ceiling: \$500,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=296243>

Agency: Department of Health and Human Services
Centers for Disease Control - CGH

Program: Enhanced Integrated Surveillance, Prevention, and Treatment for Key and Priority Populations in the Republic of Uganda under the President's Emergency Plan for AIDS Relief (PEPFAR)

Description: This Announcement will improve the development, implementation, and monitoring of accessible, appropriate, and targeted HIV combination prevention for KP/PP in Uganda. This NOFO will result in an increased use of these services by KP/PP, which will result in these high risk sub-populations attaining the 90-90-90 goals and achieving epidemic control by 2020

Due Date: 11/8/2017

Funding: Award Ceiling : \$1,200,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=293378>

Agency: Department of Health and Human Services
Centers for Disease Control - CGH

Program: Infrastructure Support to the Mozambican Health System to Scale-Up HIV/AIDS and TB Services on Behalf of the President's Emergency Plan for AIDS Relief (PEPFAR)

Description: This Announcement will provide technical assistance to help address MOH infrastructure needs as well as providing overall alternative solutions to improving the health infrastructure either through renovations, pre-fabricated (pre-fab) structures, or equipment necessary for the improvement of HIV/AIDS and TB services across the clinical cascade.

Due Date: 11/14/2017

Funding: Award Ceiling: \$10,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=293356>

Contact: ogstims@cdc.gov

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

Program: Science of Behavior Change: Revision Applications for Use-inspired Research to Optimize Adherence, Behavior Change Interventions, and Outcomes (R34)

Description: The goal of the SOBC Program is to advance a mechanisms-focused, experimental medicine approach to behavior change research.

Due Date: 12/5/2017

Funding: Award Ceiling: \$225,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297535>

Contact: FBOWebmaster@OD.NIH.GOV

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

Program: Human Studies of Target Identification, Biomarkers and Disease
Mechanisms Specific to CNS Small Blood and Lymphatic Vessels (R01)

Description: This Announcement will solicit research projects to facilitate the development and translation of tools and technology for non-invasive imaging and profiling of human central nervous system (CNS, including retina) small blood and lymphatic vessels; to investigate their role in CNS physiology, disease, repair processes, and responses to therapy using novel approaches. Applications can be focused on the development of new technology and tools, novel target or biomarker identification and validation studies, or a combination of mechanistic and technology development studies specific to human CNS small blood and lymphatic vessels in health and disease, across the life span.

Due Date: 12/11/2017

Funding: Award Ceiling: \$499,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297538>

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

Program: Opioid Use Disorder in Pregnancy (R01)

Description: This Announcement invites prospective applicants to propose research addressing treatment of pregnant women with opioid use disorder and pharmacokinetic and pharmacodynamic studies of medications used for maternal treatment.

Due Date: 12/13/2017

Funding: Award Ceiling : \$500,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297653>

Contact: FBOWebmaster@OD.NIH.GOV

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

Program: NIH Science Education Partnership Award (SEPA) (R25)

Description: The over-arching goal of this NIGMS R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nations biomedical, behavioral and clinical research needs.

Due Date: 7/9/2019

Funding: Total Funding: \$2,000,000 Award Ceiling: \$250,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297539>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: Department of Interior
Fish and Wildlife Service

Program: Determination of Delta Smelt spawning behavior and microhabita

Description: Determination of Delta Smelt spawning behavior and microhabitat. Laboratory experiments will be performed to investigate the spawning behavior and microhabitat of Delta Smelt (*Hypomesus transpacificus*).

Due Date: 11/1/2017

Funding: Total Funding: \$212,888 Award Ceiling: \$212,888

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=296969>

Agency: Department of Interior
Fish and Wildlife Service

Program: Unraveling Pathways and Sources of Selenium Exposure in Sacramento Splittail

Description: The funding will provide for fish otoliths preparation and analysis to evaluate selenium exposure and sources in Sacramento Splittail (*Pogonichthys macrolepidotus*).

Due Date: 11/1/2017

Funding: \$75,727

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297336>

Contact: Erik_Anderson@fws.gov

Agency: Department of Interior
Fish and Wildlife Service

Program: Neotropical Migratory Bird Conservation Act Grants

Description: The United States Neotropical Migratory Bird Conservation Act (NMBCA) established an annual, competitive grants program to support projects that promote the conservation of neotropical migratory birds and their habitats in the United States, Canada, Latin America and the Caribbean.

Due Date: 11/7/2017

Funding: Total Funding: \$4,000,000 Award ceiling: \$200,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297128>

Agency: Department of Interior
National Park Service

Program: Japanese American Confinement Sites Grant Program

Description: The Japanese American Confinement Sites Grant Program provides financial assistance to organizations and entities working to preserve historic Japanese American confinement sites and their history, including: private nonprofit organizations; educational institutions; state, local, and tribal governments; and other public entities, for the preservation and interpretation of U.S. confinement sites where Japanese Americans were detained during World War II.

Due Date: 11/1/2017

Funding: \$1,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297012>

Contact: Todd_Wilson@nps.gov

Agency: Department of Labor
Bureau of International Labor Affairs

Program: Combating Forced Labor and Labor Trafficking of Adults and Children

Description: The goal is to fund technical assistance projects to improve the capacity of labor stakeholders to better understand and address indicators of forced labor and labor trafficking.

Due Date: 10/11/2017

Funding: Total Funding: \$6,000,000 Award ceiling: \$2,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297316>

Agency: Department of State
Bureau of International Narcotics-Law Enforcement

Program: Strengthening National, State, and Local Level Anti- Corruption Efforts in Nigeria

Description: The purpose of this program is to develop strategic national, state, and local level anti-corruption programming to complement traditional anti-corruption efforts led by the GON and donors

Due Date: 10/31/2017

Funding: Award Funding: \$2,000,000 Award ceiling: \$1,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297491>

Agency: Department of State
Bureau of International Narcotics-Law Enforcement

Program: Building Capacity in Police Forces, Local Governments and Communities in Gender Based Violence

Description: Dedicated to strengthening criminal justice systems, countering the flow of illegal narcotics, and minimizing transnational crime, INL plays a key role in leading the development and synchronization of U.S. international drug and crime assistance.

Due Date: 10/31/2017

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297552>

Agency: National Science Foundation
National Science Foundation

Program: NSF Astronomy and Astrophysics Postdoctoral Fellowships

Description: The program supports researchers for a period of up to three years with fellowships that may be taken to eligible host institution(s) of their choice. The program is intended to recognize early-career investigators of significant potential and to provide them with experience in research and education that will establish them in positions of distinction and leadership in the community.

Due Date: 10/11/2017

Funding: \$900,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=293972>

Contact: hgupta@nsf.gov

Agency: National Science Foundation

Program: Advancing Digitization of Biodiversity Collections (ADBC)

Description: This program seeks to enhance and expand the national resource of digital data documenting existing vouchered biological and paleontological collections and to advance scientific knowledge by improving access to digitized information (including images) residing in vouchered scientific collections across the United States.

Due Date: 10/10/2017

Funding: Total funding: \$10,000,000 Award Ceiling: \$5,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=276986>

Contact: grantsgovsupport@nsf.gov

Agency: National Science Foundation

Program: Improving Undergraduate STEM Education: Pathways into Geoscience

Description: The Directorate for Geosciences (GEO) contributes to the IUSE initiative through the Improving Undergraduate STEM Education: Pathways into Geoscience (IUSE: GEOPATHS) funding opportunity. IUSE: GEOPATHS invites proposals that specifically address the current needs and opportunities related to undergraduate education within the geosciences community.

Due Date: 10/10/2017

Funding: \$5,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=295309>

Contact: grantsgovsupport@nsf.gov

Agency: National Science Foundation

Program: Research Experiences for Teachers (RET) in Engineering and Computer Science

Description: This program supports active long-term collaborative partnerships between K-12 Science, Technology, Engineering, Computer and Information Science, and Mathematics (STEM) in-service and pre-service teachers, full-time community college faculty, and university faculty and students to enhance the scientific disciplinary knowledge and capacity of the STEM teachers and/or community college faculty through participation in authentic summer research experiences with engineering and computer science faculty researchers. The research projects and experiences all revolve around a focused research area related to engineering and/or computer science that will provide a common cohort experience to the participating educators.

Due Date: 10/10/2017

Funding: \$5,800,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=295306>

Contact: mpoats@nsf.gov

Agency: National Science Foundation

Program: NSF Astronomy and Astrophysics Postdoctoral Fellowships

Description: This grant provides an opportunity for highly qualified, recent doctoral scientists to carry out an integrated program of independent research and education.

Due Date: 10/11/2017

Funding: \$900,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=293972>

Contact: hgupta@nsf.gov

Agency: National Science Foundation

Program: NSF Astronomy and Astrophysics Postdoctoral Fellowships National Science Foundation

Description: NSF Astronomy and Astrophysics Postdoctoral Fellowships provide an opportunity for highly qualified, recent doctoral scientists to carry out an integrated program of independent research and education. The program

supports researchers for a period of up to three years with fellowships that may be taken to eligible host institution(s) of their choice.

Due Date: 10/11/2017

Funding: \$900,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=293972>

Contact: hgupta@nsf.gov

Agency: National Science Foundation

Program: Sociology Program - Doctoral Dissertation Research Improvement Awards

Description: The Program supports theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes.

Due Date: 10/16/2017

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=263368>

Contact: kmeyer@nsf.gov

Agency: National Science Foundation

Program: MacroSystems Biology and Early NEON Science National Science Foundation

Description: The MacroSystems Biology and Early NEON Science: Research on Biological Systems at Regional to Continental Scales program will support quantitative, interdisciplinary, systems-oriented research on biosphere processes and their complex interactions with climate, land use, and invasive species at regional to continental scales as well as planning, training, and development activities to enable groups to conduct MacroSystems Biology and Early NEON Science research.

Due Date: 10/16/2017

Funding: Total Funding: \$15,000,000 Award Ceiling: \$5,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=280619>

Contact: MSB-NEON@nsf.gov

Agency: National Science Foundation

Program: Sociology Program - Doctoral Dissertation Research Improvement Awards

Description: The Program supports both original data collections and secondary data analysis that use the full range of quantitative and qualitative methodological tools. Theoretically grounded projects that offer methodological innovations and improvements for data collection and analysis are also welcomed.

Due Date: 10/16/2017

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=263368>

Contact: kmeyer@nsf.gov

Agency: National Science Foundation

Program: Biophotonics

Description: The goal of the Biophotonics program is to explore the research frontiers in photonics principles, engineering and technology that are relevant for critical problems in fields of medicine, biology and biotechnology. Fundamental engineering research and innovation in photonics is required to lay the foundations for new technologies beyond those that are mature and ready for application in medical diagnostics and therapies.

Due Date: 10/20/2017

Funding: \$6,600,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=291989>

Contact: lesterow@nsf.gov

Agency: National Science Foundation

Program: Environmental Engineering

Description: The goal of the Environmental Engineering program is to support transformative research which applies scientific and engineering principles to avoid or minimize solid, liquid, and gaseous discharges, resulting from

human activities on land, inland and coastal waters, and air, while promoting resource and energy conservation and recovery.

Due Date: 10/20/2017

Funding: \$10,798,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=291988>

Contact: vroytbur@nsf.govkrockne@nsf.gov

Agency: National Science Foundation

Program: Engineering of Biomedical Systems

Description: The goal of the Engineering of Biomedical Systems program is to provide research opportunities to develop novel ideas into discovery-level and transformative projects that integrate engineering and life sciences in solving biomedical problems that serve humanity in the long-term.

Due Date: 10/20/2017

Funding: Total Funding: \$10,400,000 Award Ceiling: \$600,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=291980>

Contact: mgrimm@nsf.gov

Agency: National Science Foundation

Program: Environmental Sustainability

Description: The goal of the Environmental Sustainability program is to promote sustainable engineered systems that support human well-being and that are also compatible with sustaining natural (environmental) systems. These systems provide ecological services vital for human survival. Research efforts supported by the program typically consider long time horizons and may incorporate contributions from the social sciences and ethics.

Due Date: 10/20/2017

Funding: \$7,066,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=291959>

Contact: bhamilto@nsf.gov

Agency: National Science Foundation

Program: Disability and Rehabilitation Engineering

Description: The goal is to support fundamental engineering research that will improve the quality of life of persons with disabilities through: development of new technologies, devices, or software; advancement of knowledge regarding normal or pathological human motion; or understanding of injury mechanisms.

Due Date: 10/20/2017

Funding: \$4,600,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=291981>

Contact: mgrimm@nsf.gov

Agency: National Science Foundation

Program: EAR Postdoctoral Fellowships

Description: The program supports researchers for a period of up to two years with fellowships that can be taken to the institution of their choice. The program is intended to recognize beginning investigators of significant potential, and provide them with research experience, mentorship, and training that will establish them in leadership positions in the Earth Sciences community.

Due Date: 10/25/2017

Funding: \$1,700,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=295770>

Agency: National Science Foundation

Program: Computational and Data-Enabled Science and Engineering

Description: The goal of the CDS&E program is to identify and capitalize on opportunities for major scientific and engineering breakthroughs through new computational and data analysis approaches. The intellectual drivers

may be in an individual discipline or they may cut across more than one discipline in various Directorates.

Due Date: 12/11/2017

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=184834>

Contact: vroytbur@nsf.gov

Agency: National Science Foundation

Program: Computational and Data-Enabled Science and Engineering in Mathematical and Statistical Sciences

Description: The goal of the program is to promote the creation and development of the next generation of mathematical and statistical theories and tools that will be essential for addressing such issues.

Due Date: 12/11/2017

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

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=289329>

Contact: grantsgovsupport@nsf.gov

Agency: National Science Foundation

Program: Secure and Trustworthy Cyberspace

Description: The goals of the Secure and Trustworthy Cyberspace program are aligned with the Federal Cybersecurity Research and Development Strategic Plan and the National Privacy Research Strategy to protect and preserve the growing social and economic benefits of cyber systems while ensuring security and privacy.

Due Date: 12/13/2017

Funding: Total Funding : \$68,000,000 Award Ceiling: \$10,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=295307>

Contact: namla@nsf.gov

Agency: National Science Foundation

Program: NSF/Intel Partnership on Foundational Microarchitecture Research

Description: The NSF/Intel Partnership on Foundational Microarchitecture Research will support transformative microarchitecture research targeting improvements in instructions per cycle (IPC). This solicitation seeks microarchitecture technique innovations beyond simplistic, incremental scaling of existing microarchitectural structures.

Due Date: 1/12/2018

Funding: \$3,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297188>

Contact: grantsgovsupport@nsf.gov

Agency: National Science Foundation

Program: Robert Noyce Teacher Scholarship Program National Science Foundation

Description: The National Science Foundation Robert Noyce Teacher Scholarship Program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 STEM teachers. The program invites creative and innovative proposals that address the critical need for recruiting and preparing highly effective K-12 STEM teachers, especially in high-need local educational agencies.

Due Date: 8/28/2018

Funding: Total Funding: \$58,000,000 Award Ceiling: \$3,250,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=291723>

Contact: srichard@nsf.gov

Agency: U.S. Nuclear Regulatory Commission
Nuclear Regulatory Commission

Program: U.S. Nuclear Regulatory Commission Funding Opportunity Announcement (FOA), Scholarship and Fellowship Education Grant, Faculty Development Grant, and Trade School and Community College Scholarship Grant, Fiscal Year (FY) 2018

Description: The primary objective is to support scholarships for nuclear science, engineering, technology and related disciplines to develop a workforce capable of supporting the design, construction, operation, and regulation

of nuclear facilities and the safe handling of nuclear materials. The nuclear-related discipline supported by this funding is intended to benefit nuclear safety and security sector broadly.

Due Date: 10/30/2017

Funding: Total Funding: \$15,000,000 Award Ceiling: \$450,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=296930>

Agency: USAID
Agency for International Development

Program: USAID's Accelerating Universal Access to Family Planning (AUAFP)

Description: The purpose of the activity is to increase utilization of FP services through universal health coverage.

Due Date: 11/6/2017

Funding: Total Funding: \$40,000,000 Award Ceiling: \$45,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297588>

Contact: sharifaahmed@usaid.gov

Agency: USAID
Madagascar USAID-Antananarivo

Program: Accessible Continuum of Care and Essential Services Sustained (ACCESS)

Description: The purpose of ACCESS activity is to build the capacity of Ministry of Public Health actors at the district level and below in all districts in the implementation regions, to design, develop, manage, deliver, monitor and evaluate health services and programs in their catchment areas.

Due Date: 10/2/2017

Funding: \$85,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297532>

Agency: USAID
Tanzania USAID-Dar es Salaam

Program: Tanzania Malaria Surveillance & Monitoring (TMSM)

Description: The purpose of the Tanzania Malaria Surveillance and Monitoring Cooperative Agreement is to support the Government of Tanzania to reduce the burden of malaria and to move towards the long-term goal of malaria elimination.

Due Date: 11/4/2017

Funding: Total Funding: \$12,600,000 Award ceiling: \$12,600,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297636>

Contact: rmiller@usaid.gov