

THE STATE UNIVERSITY SYSTEM OF FLORIDA

WASHINGTON E-UPDATE

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Post-Election Budget and Appropriations Update – Beginning in January, the GOP will control the White House, Senate and House of Representatives for the first time in a decade. Deemed a long-shot at the start of a seemingly endless campaign season, Donald Trump proved the Washington establishment—not to mention pollsters and political commentators—wrong by winning the presidential election and saving some vulnerable lawmakers with his coattails.

As a result, Republicans will maintain control of the Senate by a margin of 52 - 48, presuming the GOP wins a December runoff in Louisiana. Democrats' pick-up of two seats—Tammy Duckworth in Illinois and Maggie Hassan in New Hampshire—renders the Senate more narrowly divided, at least for now. In 2018, however, we will see a mirror image of this year's races, when 25 Democrats and Independents will be up for reelection, compared to just eight Republicans. For the time being, Democrats' only solace now may be that Republicans do not have the 60 seats required to stop a threatened filibuster.

In the House, where a few races are still undecided, Democrats gained six seats, but Republicans maintained control, though by a slimmer margin of 238 to 194. The overall results produced few surprises since Democrats needed a net gain of 30 seats to win majority control, but only 23 House seats were actually in contention.

While the elections marked an end to divided government, the challenges are no less daunting for the new president and the Republicans who will hold the reins of power in Congress.

First Things First: The Lame-Duck Session

Before the new president and the 115th Congress take over, lawmakers face a host of decisions during the post-election lame-duck session. Following is a snapshot of what the near future holds.

Appropriations. - Throughout the six-week campaign break, appropriators were working behind the scenes to craft a deal on the 11 remaining spending bills and were close to a final agreement on all the bills. But shortly after the election results were announced, negotiations were put on hold pending consultations between President-elect Trump and GOP leaders. Leaders ultimately decided to extend the current continuing resolution for all federal agencies until early next year, likely the end of April.

Defense policy. - Conference negotiations on the National Defense Authorization Act stalled last September over a handful of issues, but a compromise bill was negotiated and passed by the House December 2. The conference report and a summary are available [here](#).

Tax extenders. - More than 30 tax provisions, roughly half of which deal with renewable energy and energy conservation, are due to expire on December 31. While some lawmakers are pushing to extend these provisions before year's end, House Ways and Means Chairman, Rep. Kevin Brady of Texas, has said he would prefer to address these expiring provisions next year in the context of a larger tax overhaul. At this point it seems unlikely that these provisions will be extended this year.

21st Century Cures. - House and Senate lawmakers have spent nearly three years negotiating legislation intended to change the way the FDA regulates prescription drugs and medical devices, and to spur innovation through increased NIH funding. The bill was passed overwhelmingly November 30 in the House. (See the following article.)

Who Sits Where: Leadership and Committee Chairs

Regardless of who wins and who loses, virtually every election results in a cascade of changes in leadership, chairmanships, ranking members and committee assignments. This election was no different, beginning with the announced retirement of three Democrats and two Republicans from the Senate and 18 Republicans and seven Democrats from the House.

Senate Leadership. – During their November 16 organizational meeting, Senate Republicans voted Senator Mitch McConnell of Kentucky as their leader. In place of retiring Senator Harry Reid of Nevada, Democrats elected Senator Charles Schumer of New York as his successor, reelected Senator Dick Durbin of Illinois as Democratic Whip and Senator Patty Murray of Washington as Assistant Democratic Leader.

Senate Appropriations Committee. - Senator Thad Cochran of Mississippi will continue to chair this panel for two more years, with Senator Richard Shelby of Alabama next in line. On the Democratic side, ranking member Senator Barbara Mikulski of Maryland is retiring. Her replacement will be Senator Patrick Leahy of Vermont, who opted to leave his ranking position on the Judiciary committee.

Senate Finance Committee. - All Finance Committee Republicans who were up for reelection won their races, although Senator Dan Coats of Indiana retired. Senators Orrin Hatch of Utah and Ron Wyden of Oregon will remain as chair and ranking member, respectively.

Senate HELP Committee. - Senator Lamar Alexander of Tennessee will continue as chair of the committee and Senator Patty Murray will serve as ranking member.

Senate Commerce, Science and Transportation Committee. - Senators John Thune of South Dakota and Bill Nelson of Florida will return as chair and ranking member. Senators Ted Cruz of Texas and Marco Rubio of Florida also will continue as committee members.

Senate Armed Services. - Senate Armed Services chair Senator John McCain of Arizona will maintain control of the panel in the 115th Congress. McCain will continue to work closely with the committee's top Democrat, Senator Jack Reed of Rhode Island.

House Leadership. - Despite early speculation that he might retire early to explore other aspirations, Rep. Paul Ryan of Wisconsin will continue as House Speaker. The rest of the House GOP leadership slate will include Reps. Kevin McCarthy of California as Majority Leader, Steve Scalise of Louisiana as Majority Whip and Cathy McMorris Rodgers of Washington as Conference Chair. Democrats held their leadership elections November 30, keeping Rep. Nancy Pelosi as Minority Leader and Steny Hoyer and Jim Clyburn as her top lieutenants.

House Appropriations Committee. - The formal vote on subcommittee chairs will occur later this year, but Rep. Rodney Frelinghuysen of New Jersey was chosen to succeed term-limited chair Rep. Harold Rogers of Kentucky as Chairman of the full Appropriations Committee. Rogers hopes to switch positions with Frelinghuysen, who currently heads the Defense subcommittee, but he could get some opposition from Rep. Kay Granger of Texas. Rep. Nita Lowey of New York will lead the Democrats as ranking member for a third term, while Reps. Tom Cole of Oklahoma and Rosa DeLauro of Connecticut will serve as chair and ranking member respectively of the Labor-HHS-Education subcommittee. On the Agriculture Subcommittee, ranking Democrat Rep. Sam Farr of California is retiring, leaving a vacancy on the panel overseeing FDA funding.

House Ways and Means Committee. - Chairman Kevin Brady of Texas will continue to head this committee while ranking member Sander Levin of Michigan recently announced he would step aside to make room for newer Members.

House Energy and Commerce Committee. - The two-person race to replace term-limited Rep. Fred Upton of Michigan seems likely to determine a significant portion of this committee's agenda for next two years. Rep. John Shimkus of Illinois has seniority while Rep. Greg Walden of Oregon leads the National Republican Congressional Committee. Under Shimkus, the committee would probably focus on energy and environment issues; Walden's interests lean towards communications and technology.

House Armed Services Committee. - Rep. Mac Thornberry of Texas will start his second term chairing this committee, but there will be a raft of new members on this panel because of retirements, primary defeats or runs for other office, including Reps. J. Randy Forbes of Virginia, Joe Heck of Nevada, Jeff Miller of Florida, John Kline of Minnesota, John Fleming of Louisiana, Chris Gibson of New York and Rich Nugent of

Florida. For Democrats, gone will be Rep. Loretta Sanchez of California, the number two Democrat behind ranking member Rep. Adam Smith of Washington. Other departures include former Rep. Tammy Duckworth of Illinois, who won her Senate bid, Rep. Mark Takai of Hawaii who died earlier this year and retiring Rep. Gwen Graham of Florida.

House Education and the Workforce Committee. - With the retirement of Rep. John Kline of Minnesota, Rep. Virginia Fox of North Carolina will assume the chair of this panel. Rep. Bobby Scott of Virginia will continue as ranking member.

House Veterans Affairs Committee. – With the retirement of Chairman Jeff Miller of Florida, another Floridian, Gus Bilirakis, is in position to assume the leadership of the committee he has served on for many years. On the Democratic side, the retirement of Rep. Corrine Brown of Florida will open up a competition for her replacement as Ranking Member on the committee

Now Comes the Hard Part: A Legislative Preview

In a YouTube video released November 21, President-elect Trump set out an agenda of executive actions he plans to initiate on the first day of his presidency, including: providing notification of the intent to withdraw from the Trans Pacific Partnership; canceling restrictions on American energy; removing regulations and creating a new rule that requires two old regulations be eliminated for every new regulation issued; ordering the Defense Department and other national security agencies to create a plan to protect the country's infrastructure from cyberattack; instructing the Labor Department to investigate visa abuses; and imposing limitations on lobbyists. Following is a snapshot of the other issues on next year's to-do list.

Affordable Care Act (ACA). - On the campaign trail, President-elect Trump repeatedly said his top priority in healthcare would be to repeal and replace Obamacare. His replacement proposals include allowing insurers to sell policies across state lines to increase competition; making premiums fully tax deductible; expanding the availability of Health Savings Accounts; removing barriers to competition by allowing importation of drugs from other countries; and capping the employer tax exclusion for health plan coverage. Congressional leaders have been exploring ways to implement a repeal strategy through a legislative process called reconciliation. This procedure allows the Senate to get around the need for a 60-vote majority to avoid a filibuster, and requires only a simple majority. However, the process of reconciliation can only be used to make changes to law that (1) affect revenues or expenditures, and (2) do not increase the deficit past 10 years. Theoretically, congressional Republicans could pass a reconciliation bill based on the budget resolution currently in force. Key health committees would then be tasked with writing bills that make the necessary changes to ACA, which Congress could then pass in early 2017. Presumably, a replacement for ACA could be run on a parallel track.

Infrastructure. - If he has provided any road map to his first priorities in office, it would be President-elect Trump's repeated promise to seek a large-scale infrastructure package, perhaps in the \$500 billion to one trillion-dollar range. While an investment in infrastructure may be long overdue—and engenders bipartisan support—the big question in Congress will be how to pay for it. Some have suggested that the cost could be at least partially offset by adjusting the tax system for companies with international operations. (The Joint Committee on Taxation estimated that the total of “undistributed, previously non-taxed” foreign income of American companies is \$2.6 trillion.)

Tax Reform. - President-elect Trump has laid out a broad plan to reform the tax code, focusing on both individual and corporate reform, middle-income tax cuts, wider participation by the wealthy, eliminating special interest loopholes and making child care fully tax deductible. In Congress, House Ways and Means chair Kevin Brady has talked of crafting a comprehensive tax reform bill that mirrors a plan announced earlier this year by Speaker Ryan, entitled *A Better Way*. Tax reform could be achieved through a second reconciliation bill in 2017.

Immigration. - Comprehensive immigration reform, including a pathway to citizenship, is dead for now. Beyond that, it is unclear exactly how President-elect Trump and Congress will address the issue. While immigration was a central theme during his campaign, Trump has backtracked on a number of pronouncements during the latter stages of his campaign. There are steep political (and budgetary) challenges associated with implementing these campaign promises that in the end may limit the Administration's options.

Debt Limit and Spending Caps. - It remains an open question whether unified GOP control will speed up the budget and appropriations process. Lawmakers' anemic record of completing appropriations work on time has persisted for decades even as Congress and the White House have changed hands. Nevertheless, Congress will have to vote on raising the debt ceiling sometime next spring, meaning there will be great pressure on Congress to negotiate another budget deal as the sequester-driven discretionary spending caps kick back in. (Though raising the ceiling could drag on until later in the year since Treasury likely will take what are called “extraordinary measures” to extend Treasury's ability to borrow money.) President-elect Trump has called for higher defense spending, further spurring the effort to raise the caps laid out in the 2011 deficit reduction law. Changes to the budget process also could be considered as a way to make a budget deal or debt limit increase more palatable.

21st Century Cures-mental health-opioid response bill passed by House; NIH to receive new innovation funding

In perhaps the biggest legislative development of the Congressional session, after three years in development, a renegotiated \$6.3 billion 21st Century Cures Act was passed by the House overwhelming November 30 by a vote of 392 to 26, and its passage seems likely in the Senate next week with the first vote set for 5:30 pm on December 5.

The Cures bill is combined with a comprehensive mental health reform act as well as a \$1 billion bill to respond to the nation's opioid crisis with a series of new programs and funding.

The legislation will provide the National Institutes of Health with \$4.8 billion in funding for several Innovation Projects.

Within the total, \$1.8 billion will go to cancer research over 7 years, \$1.5 billion to the BRAIN Initiative over 10 years, \$1.5 billion to the Precision Medicine Initiative over 10 years, \$30 million for regenerative medicine research over 4 years, and \$500 million to the FDA over 10 years.

All of this funding is designed to be provided in addition to regular appropriations to the agencies. The bill sets up a NIH Innovation Account trust fund in the U.S. Treasury and automatically fills it each year with the scheduled amounts. Then each year the appropriations committees will have to write an appropriations bill to allocate the funding. The \$6+ billion bill is paid for primarily by selling off a portion of the nation's oil in the Strategic Petroleum Reserve over three years, and by taking back planned increases to the Prevention and Public Health Fund created by the Affordable Care Act.

Also joined to the legislation is a renegotiated mental health bill, the *Promoting Access to Mental Health and Substance Use Disorder Care Act*, which would authorize and reauthorize a variety of programs affecting mental and behavioral health services as well as training and education programs.

The bill has several provisions designed to improve the drug development process at FDA and it enhances incorporation of patient input into FDA decision-making. Other measures attempt to modernize clinical trial design and improve FDA's ability to hire and retain scientific experts. The legislation provides protections for individuals' health data, as well as provisions preventing unnecessary restrictions on the sharing of health information technology data with patients and providers.

The bill also makes multiple changes to Medicare and Medicaid provisions and changes Medicare coding procedures, payment adjustments, patient choice, and durable goods bidding.

More information is available here: [Fact sheet](#), [Bill text](#), [Section-by-section analysis](#).

Return to limited earmarks under consideration in the House

The House Republican caucus held a meeting November 16 to discuss a possible rule change for the next Congress that would allow the return of appropriations earmarks in certain cases. A vote was put off until early next year.

Florida Congressman and Appropriations Committee Member Tom Rooney along with Reps. John Culberson (R-TX) and Mike Rogers (R-AL) introduced an amendment that would allow exceptions to the current earmark ban. Under the proposal, earmarks would only be allowed in bills for certain agencies, including the Defense department, Army

Corps of Engineers, Homeland Security Department and the Bureau of Reclamation. Earmarks would also be allowed for state and local governments.

The proposal states that earmarks would have to be transparent and adopted through the committee process, and they could not raise the overall spending cap for the bill.

After much discussion and apparently much support for the measure, Speaker Paul Ryan convinced the Members to hold off on voting on the measure until early next year. In postponing the vote, Ryan pledged to look deeper in to the issue and to allow a vote on earmarks before the end of the first quarter. Earmarks have been banned since 2010 and since then frustration with the policy has grown among members of both parties. Approval to reinstate earmarking is still considered a long shot.

System hosts annual HHS conference on small business innovation



The 18th Annual HHS SBIR/STTR Conference was recently held in Orlando with over 460 attendees participating over the course of four days. Participants came from 40 states, South Korea and Puerto Rico with 40 universities and 176 businesses represented.

SUS Chancellor Marshall Criser III and UCF Board of Trustees Chair Marcos Marchena opened the meeting on November 15. Over 100 federal officials were also on hand from various research agencies, including NIH, CDC, FDA, NASA and DoD. Small business entrepreneurs in the life sciences sector learned how to access more than \$870 million of annual federal funding that is available to assist academic partnerships and build new businesses in biotechnology.

The conference was organized and co-hosted by the University of Central Florida's Office of Research & Commercialization and the SUS Florida Board of Governors. Sponsors included UF, FIU, FSU, USF, FAU, UNF, FAMU and the Florida High Tech Corridor Council. Additional sponsors included Career Source Central Florida, SBC

Corp., the Economic Development Commission of Florida's Space Coast and DLMineo Consulting.

NIH increases NRSA postdoc stipends Dec. 1

NIH Deputy Director Mike Lauer (who spoke at this year's SUS R&D workshop on biomedical research) announced in a November 30 blog post that the agency plans to increase NRSA postdoc stipends immediately.

The move was planned initially because of changes required under the Administration's overtime regulation that was due to take effect December 1. However, a federal judge's order has blocked implementation currently and the incoming Trump Administration seems likely to pull back the rules.

Nevertheless, Dr. Lauer said NIH would increase the starting stipends of postdoctoral fellows on the Ruth L. Kirschstein National Research Service Awards (NRSA) to \$47,484 from \$43,692. It also offered a one-time supplement for grant recipients to meet the pay difference.

For non-NRSA postdocs, Lauer wrote that "Institutions that employ postdocs through non-NRSA support can choose how to follow the new rule. They may choose to carefully track their postdocs' hours and pay overtime, or, they may choose to provide postdoctoral stipends at or above the new FLSA threshold. Research project grant awardees can rebudget their awards without prior approval from NIH to increase stipend costs if needed."

To read the blog post, [click here](#).

Study shows losses to government from student loan repayment program

The GAO released a new study this week documenting that income-driven repayment plans for student borrowers will cost the government at least \$108 billion in forgiven loan debt. The report also said an additional \$29 billion will be discharged due to borrowers dying of incurring disability.

GAO criticized the Education Department for its "numerous shortcomings" in underestimating the costs and the overall approach. To read the report or a summary, [click here](#).

CRS report covers foreign aid and education programs

The Congressional Research Service has issued a new background report: [Foreign Aid and the Education Sector: Programs and Priorities](#). It provides a descriptive profile of

recent foreign aid education sector activities, outlining actors, policy, funding levels, and programs.

The report points out that education has long been considered an important part of the U.S. foreign assistance strategy. There is general agreement that education is crucial to bettering livelihoods and improving economic stability in developing countries.

Congress has played a role in education-sector assistance through authorization of education programs and annual funding of appropriations. The Foreign Assistance Act of 1961 (P.L. 87-195, as amended) includes provisions on education assistance. Congress has also directed that specific amounts of foreign aid budgets be spent on basic and higher education purposes. In FY2016, combined U.S. Agency for International Development (USAID) and Department of State education programming amounts to about \$856 million. On September 7, 2016, the Education for All Act (H.R. 4481) was approved by the House of Representatives.

Multiple U.S. departments and agencies provide education assistance to developing countries. However three agencies—USAID, the Peace Corps, and the Millennium Challenge Corporation (MCC)—accounted for 92% of assistance in FY2014. USAID makes up about two thirds of annual funding for education. It offers an array of activities aimed at improving reading skills for 100 million primary school children, improving workforce development programs to build appropriate skills to meet developing country needs, and increasing equitable access to education in crisis and conflict environments.

More than a third of Peace Corps volunteers are in the education sector, teaching students and teachers in rural communities in 45 different countries.

Grant reviewers sought by HRSA workforce bureau

The [Bureau of Health Workforce](#) in the Health Resources and Services Administration is currently seeking new and experienced grant reviewers.

Reviewers are chosen for specific grant programs based on their knowledge, education, experience, and being free from conflicts. Reviewers are expected to maintain confidentiality and evaluate each application based on its own merit. Reviewers gain an understanding of HRSA's objective review process and have the opportunity to communicate with colleagues who often share common backgrounds and interests.

Reviews are conducted using a web-based teleconference format with a secure grants database. Those interested in becoming a HRSA grant reviewer should register in the [Reviewer Recruitment Module](#). For questions contact RRMTechAssistance@hrsa.gov.

NIH releases behavioral and social sciences strategic plan

The Office of Behavioral and Social Sciences Research (OBSSR) at the National Institutes of Health has released a [new strategic plan](#) for 2017 through 2021. The plan focuses on scientific priorities, which reflect key research challenges.

OBSSR's strategic priorities are to: improve the synergy of basic and applied behavioral and social sciences research; enhance and promote the research infrastructure, methods, and measures needed to support a more cumulative and integrated approach to behavioral and social sciences research; and facilitate the adoption of behavioral and social sciences research findings in health research and in practice.

To address these priorities and broader NIH efforts in the behavioral and social sciences, OBSSR plans to rely on four foundational processes:

- Communicating behavioral and social sciences research findings
- Coordinating behavioral and social sciences research programs across the NIH and integrating behavioral and social sciences research within the larger NIH research enterprise
- Training the next generation of behavioral and social science researchers
- Evaluating the impact of behavioral and social sciences research and addressing scientific policies that support this research

Highlights of competitive grant opportunities at federal agencies

Agency: DOD
Dept. of the Army -- USAMRAA

Program: DoD Hearing and Balance Research Award

Description: The FY17 JPC-8/CRM RP Hearing and Balance Research Award is intended to support translational preclinical research, observational studies, and early-stage clinical trials addressing auditory and vestibular dysfunction associated with military service. The intent of the award is to advance treatment/assessment strategies and evidence-based practice to optimize the rehabilitation of vestibular and hearing dysfunction resulting from military service-related injuries. Ultimately, the goal is to develop and transition knowledge and materiel products to restore Service member's form, function, and quality of life, benefitting Service members, Veterans, their caregivers and family members, and the American public.

Due Date: 3/29/2017

Funding: \$13,000,000

Awards: 6

Website: <http://www.grants.gov/view-opportunity.html?oppld=289773>

Agency: DOD-DARPA
DARPA - Biological Technologies Office

Program: Insect Allies

Description: The Insect Allies program will develop a platform technology for delivering enhanced crop traits within a single growing season by delivering a modified virus to target plants by a mobile insect vector.

Due Date: 1/17/2017

Funding: See announcement

Website: <http://www.grants.gov/view-opportunity.html?oppld=289830>

Agency: DOE
Golden Field Office

Program: Fuel Cells Technologies Office Annual Funding Opportunity Announcement

Description: This Funding Opportunity Announcement (FOA) is for the research and development of low-cost hydrogen production, onboard hydrogen storage, and proton exchange membrane fuel cells to advance the widespread commercialization of fuel cell electric vehicles. Selected projects will leverage national lab consortia launched under DOE's Energy Materials Network (EMN) this past year, in support of DOE's materials research and advanced manufacturing priorities. Applicants to this funding opportunity announcement will collaborate with national lab consortia launched within the EMN.

Due Date: 2/21/2017

Funding: \$33,000,000

Awards: 30

Website: <http://www.grants.gov/view-opportunity.html?oppld=290183>

Agency: DOE
Golden Field Office

Program: Deep Direct-Use Feasibility Studies

Description: The complete Funding Opportunity Announcement can be accessed on the EERE Exchange website at <https://eere-exchange.energy.gov> This announcement is soliciting applications that propose projects conducting feasibility studies of large-scale, low-temperature deep-well geothermal systems coupled with advanced direct-use applications and cascaded surface technologies whose applications will extend the reach of geothermal into geologically distinct parts of the country beyond the western U.S. These systems are referred to herein as deep direct-use or DDU. This FOA will solicit applications that propose projects supporting DDU feasibility studies in two Topic Areas: •Topic Area 1 “DDU Feasibility Studies” will focus on the initial site selection, resource assessment, and feasibility study of DDU technology(s). •Topic Area 2 “DDU Community of Practice Administration and Techno-Economic Validation of DDU Projects” seeks to convene and establish a DDU Community of Practice (COP).
Submission Deadline for Concept Papers: 12/15/2016 Submission Deadline for Applications: 2/22/2017

Due Date: 2/22/2017

Funding: \$4,000,000

Awards: 16

Website: <http://www.grants.gov/view-opportunity.html?oppld=290110>

Agency: DOI
Fish and Wildlife Service

Program: Combatting Wildlife Trafficking

Description: The U. S. Fish & Wildlife Service (USFWS) is accepting project proposals to combat wildlife trafficking. To complement and facilitate existing efforts, USFWS has issued this Notice of Funding Opportunity to provide financial assistance to projects that advance counter-wildlife trafficking activities. Wildlife trafficking is defined in the National Strategy as the poaching or other taking of protected or managed species and the illegal trade in wildlife and their related parts and products. For the purposes of this funding opportunity, the term, wildlife, includes terrestrial and aquatic animal species and plant species subject to illegal trade.

Due Date: 2/5/2017

Funding: \$1,300,000

Awards: 20

Website: <http://www.grants.gov/view-opportunity.html?oppld=290299>

Agency: DOI-FWS
Fish and Wildlife Service

Program: 2018 Fisheries Resource Monitoring Program

Description: The Department of the Interior, U.S. Fish and Wildlife Service, Office of Subsistence Management (OSM) administers the Fisheries Resource Monitoring Program (Monitoring Program). OSM is seeking technically sound projects for the Monitoring Program that gather information to manage and conserve subsistence fishery resources in Alaska. The Monitoring Program is also directed at supporting meaningful involvement in fisheries management by Alaska Native and rural organizations and promoting collaboration among Federal, State, Alaska Native and local organizations. The Fisheries Resource Monitoring Program encompasses awards made through Federal financial assistance under the authority of the Fish and Wildlife Coordination Act, 16 USC 661 to 667 (d), and the Alaska National Interest Lands Conservation Act (ANILCA), 16 USC 3101-3233. This Funding Opportunity is the single designated biennial competition through which multiple awards will be made. Only studies that gather, analyze, and report on information needed for subsistence fisheries management on Federal public lands in Alaska (National Wildlife Refuges, National Forests, National Parks and Preserves, National Conservation Areas, National Wild and Scenic River Systems, National Petroleum Reserves, and National Recreation Areas) will be considered.

Due Date: 2/20/2017

Funding: \$3,000,000

Awards: 25

Website: <http://www.grants.gov/view-opportunity.html?oppld=290247>

Agency: Department of State
Bureau of Democracy, Human Rights and Labor

Program: DRL FY 16/17 Promoting Inclusive Citizen Engagement in Morocco

Description: The U.S. Department of State Bureau of Democracy, Human Rights and Labor (DRL) announces an open competition for organizations interested in submitting applications for projects that promote inclusive citizen engagement, mutual respect, and nondiscrimination in Morocco. Morocco has served as a leader in the region in promoting interreligious discourse and ensuring the protection of religious freedom. Programs should seek to build on these efforts and support the implementation of the freedom of thought and practice of ones religious affairs as enshrined in the Moroccan constitution. DRL seeks to support programs that promote tolerance, mutual respect and nondiscrimination in Morocco by

strengthening interfaith collaboration and civic engagement in national and local-level decision-making processes in Morocco.

Due Date: 1/6/2017

Funding: See announcement

Awards: 2

Website: <http://www.grants.gov/view-opportunity.html?oppld=289868>

Agency: Department of State
Bureau Of Educational and Cultural Affairs

Program: Official U.S. Presentation at the 16th International Architecture Exhibition, Venice, Italy, May through November, 2018

Description: The Department of State Cultural Programs Division (ECA/PE/C/CU) in the Bureau of Educational and Cultural Affairs is pleased to announce an open competition for grants from U.S. based non profit organizations including museums, galleries, visual and design arts centers and schools of design and architecture to organize the official U.S. presentation at the 16th International Architecture Exhibition to be held in Venice, Italy, May through November, 2018. The international architecture exhibition is the premier showcase for revolutionary ideas in contemporary architecture and planning through national representations. Proposals should represent the most excellent and innovative work in American architecture and landscape architecture.

Due Date: 1/12/2017

Funding: \$200,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=290051>

Agency: Department of State
NEA Office of Press and Public Diplomacy

Program: Safeguarding the Heritage of the Near East Initiative Collaborative Services Award

Description: The Bureau of Near Eastern Affairs, Office of Press and Public Diplomacy (NEA/PPD) and Bureau of Educational and Cultural Affairs, Cultural Heritage Center (ECA/CHC) announces an open competition for the FY 2017 Safeguarding the Heritage of the Near East Initiative Collaborative Services Award, pending the availability of funds. U.S. public and private

non-profit organizations meeting the provisions described in Internal Revenue Code section 26 USC 501(c)(3) may submit proposals to support a research project to develop comprehensive documentation of the current conditions and future preservation needs of cultural heritage sites in Syria, Iraq and Libya. In this project will seek data on the impact of the crisis on heritage places, museums and collections, libraries and archives, historic structures and administrative infrastructure in Syria, Libya, and conflict areas of Iraq. To report on the impact of the crisis on heritage overall, including new developments and areas of concern. To develop plans and make recommendations for privately-funded short- and long-term preservation efforts.

Due Date: 12/14/2016

Funding: \$900,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=289884>

Agency: DOT
DOT/Federal Transit Administration

Program: Zero Emission Research Opportunity (ZERO)

Description: Notice of Funding Opportunity for the Zero Emission Research Opportunity (ZERO). The Federal Transit Administration announces the availability of \$2.75 million of funding for its Zero Emission Research Opportunity (ZERO). The purpose of the program is to facilitate the advancement, production, and deployment of zero-emission public transportation vehicle technology and related infrastructure. FTA intends to select, and enter into cooperative agreements with, multiple (up to three) nonprofit consortia to build on past research innovation and development efforts to facilitate the deployment of zero-emission vehicles and associated advanced technology. Eligibility for future ZERO funding opportunities in fiscal years 2017-2020 will be limited to those nonprofit consortia selected under this fiscal year 2017 notice. Potential research partners such as transit agencies, other nonprofits, vendors, suppliers and systems integrators may work with multiple consortia. The federal cost-share of a project carried out under ZERO shall not exceed 80 percent. Subject to FTA discretion and future appropriations, the selected organization(s) will be eligible for future funding from FY17-FY20, without further competition. Synopses and the full announcement with additional details are referenced in the Federal Register as funding opportunity FTA-2016-009-TRI-ZERO and posted on Grants.gov as opportunity FTA-2017-001-TRI. Proposals must be submitted electronically through Grants.gov by midnight EST on February 21, 2017.

Due Date: 2/21/2017

Funding: \$2,750,000

Awards: 3

Website: <http://www.grants.gov/view-opportunity.html?oppld=290356>

Agency: HHS
Administration for Children and Families - ACYF/CB

Program: National Quality Improvement Center for Preventive Services and Interventions in Indian Country

Description: The purpose of this announcement is to award a 5-year cooperative agreement to establish a Quality Improvement Center (QIC) on the prevention and intervention of child abuse and neglect in American Indian/Alaska Native (AI/AN) communities. The QIC will gather, generate, and disseminate knowledge regarding effective practice models for strengths-based, culturally relevant, trauma-informed, and preventive services and interventions for all forms of child maltreatment. As part of this work, the QIC will provide technical assistance and implementation assistance for two to five project sites. The purpose of the selected project sites is to implement and assess practice models that show promise in preventing child abuse and neglect and that may be implemented or adapted in other tribal child welfare systems.

Due Date: 2/22/2017

Funding: \$1,000,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=289574>

Agency: HHS
Administration for Community Living

Program: Advanced Rehabilitation Research Training (ARRT) Program - Health and Function

Description: The purpose of NIDILRR's ARRT program, which is funded through the Disability and Rehabilitation Research Projects and Centers Program, is to provide advanced research training and experience to individuals with doctorates, or similar advanced degrees, who have clinical or other relevant experience. ARRT projects train rehabilitation researchers, including researchers with disabilities, with particular attention to research areas that support the implementation and objectives of the Rehabilitation Act, and that improve the effectiveness of services authorized under the Rehabilitation Act. ARRT projects must provide advanced research training to eligible individuals to enhance their capacity to conduct high-

quality multidisciplinary disability and rehabilitation research to improve outcomes for individuals with disabilities in NIDILRR's major domain of health and function.

Due Date: 1/13/2017

Funding: \$150,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=289879>

Agency: HHS-CDC
Centers for Disease Control and Prevention - ERA

Program: Improving HPV Vaccination Coverage Among Adolescent Patients: A Randomized Controlled Trial of AFIX and Remote Physician-to-Physician Engagement Strategies

Description: This funding opportunity announcement will support a factorial design randomized controlled trial (RCT) to evaluate the effectiveness of Assessment, Feedback, Incentives, eXchange (AFIX) and remote Physician-to-Physician (P2P) vaccine provider engagement strategies to increase adolescent human papillomavirus (HPV) vaccination rates and monitor the impact of immunization service delivery of other adolescent vaccines, i.e., tetanus-diphtheria-acellular pertussis (Tdap), meningococcal conjugate (MenACWY), and influenza (Flu), by vaccine providers serving the Vaccines for Children (VFC) program in one or more state, local and territorial public health jurisdictions.

Due Date: 2/7/2017

Funding: \$1,500,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=285254>

Agency: HHS-CDC
Centers for Disease Control and Prevention - ERA

Program: Household Transmission of Influenza Viruses in the Community

Description: Households constitute up to 30% of influenza virus transmission and monitoring influenza in households is important to track how influenza spreads among close contacts and to understand the clinical spectrum of influenza infection and disease. The purpose of this project is to enroll households with confirmed influenza and follow household contacts for up to two weeks to estimate the secondary infection risk and factors associated with risk of infection. This study will also estimate the

effectiveness of the influenza vaccine in preventing influenza infection from close contacts. These findings are important to improve prevention and control of seasonal influenza, but also to be better prepared in the event of a future influenza pandemic.

Due Date: 3/1/2017

Funding: \$3,000,000

Awards: 3

Website: <http://www.grants.gov/view-opportunity.html?oppld=285280>

Agency: HHS-CDC
Centers for Disease Control and Prevention - ERA

Program: Web-based Approaches to Reach Black or African American and Hispanic/Latino MSM for HIV Testing and Prevention Services

Description: The purpose of this funding opportunity announcement is to identify the most effective internet-based strategies to increase HIV testing among black or African American and Hispanic/Latino MSM.

Due Date: 1/17/2017

Funding: \$2,950,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=285253>

Agency: HHS-CDC
Centers for Disease Control and Prevention - ERA

Program: Evaluation of Models of PrEP Service Delivery at Title X and STD Clinics

Description: We propose to compare three health services models of pre-exposure prophylaxis (PrEP) delivery at STD and family planning clinics for patients at substantial risk for HIV acquisition. Model 1: Direct PrEP provision in STD and family planning clinics. Model 2: Passive referral to another PrEP service provider in the community. Model 3: Active linkage with patient navigators to another PrEP service provider in the community.

Due Date: 1/17/2017

Funding: \$11,000,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=285274>

Agency: HHS-CDC
Centers for Disease Control and Prevention - ERA

Program: Development and Evaluation of Sports Concussion Prevention Strategies

Description: The purpose of this research is to either (a) develop and pilot test a new intervention OR (b) rigorously evaluate an existing intervention that targets young athletes participating in sports programs. Interventions should be social and behavioral in nature and can represent either primary prevention or secondary prevention of sports-related concussion. Primary prevention interventions aim to prevent sports-related concussions before they occur, while secondary prevention interventions aim to reduce the impact of concussions that have already occurred. Information gleaned from this research can inform mechanisms for change in the culture of youth sports and support multi-stakeholder approaches to promoting a positive (preventive) culture of sport to mitigate negative norms, beliefs, mores, and policies that may increase risks of concussion among young athletes.

Due Date: 2/16/2017

Funding: \$3,300,000

Awards: 2

Website: <http://www.grants.gov/view-opportunity.html?oppld=286689>

Agency: HHS-CDC
Centers for Disease Control and Prevention - ERA

Program: Research Using Linked Data to Understand Motor Vehicle Injury Among Older Adults

Description: Motor vehicle crashes are the second leading cause of unintentional injury death for adults aged 65 years and older. The Centers for Disease Control and Prevention's National Center for Injury Prevention and Control (NCIPC) is soliciting investigator-initiated research that will help determine the utility of linked data for identifying risk factors, protective factors, and outcomes of motor vehicle crashes among older adults. A better knowledge of how motor vehicle crashes affect types of injuries and injury severity can increase the potential public health impact of motor vehicle crash prevention efforts. Effective data linkage models could be integrated into more comprehensive crash risk assessment and management strategies and, when adopted, help to decrease the rates of injuries and deaths among persons involved in motor vehicle crashes.

Due Date: 2/13/2017

Funding: \$1,200,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=286671>

Agency: HHS-NIH
National Institutes of Health

Program: BRAIN Initiative: Research Opportunities Using Invasive Neural Recording and Stimulating Technologies in the Human Brain (U01)

Description: Invasive surgical procedures provide the unique ability to record and stimulate neurons within precisely localized brain structures in humans. Human studies using invasive technology are often constrained by a limited number of patients and resources available to implement complex experimental protocols and are rarely aggregated in a manner that addresses research questions with appropriate statistical power. Therefore, this FOA seeks applications to assemble integrated, multi-disciplinary teams to overcome these fundamental barriers. Projects should investigate high-impact questions in human neuroscience and disorders of the human nervous system. The research should be offered as experimental projects, or exploratory research and planning activities, for building teams, generating data and empirical results that will later compete for continued funding under new or ongoing FOAs of the BRAIN Initiative or under NIH Institute appropriations.

Due Date: 2/1/2017

Funding: \$5,800,000

Awards: 5

Website: <http://www.grants.gov/view-opportunity.html?oppld=290399>

Agency: HHS-NIH
National Institutes of Health

Program: Limited Competition: Research Resource for Human Organs and Tissues (U42)

Description: The purpose of this FOA is for the support of a Research Resource for Human Organs and Tissues for the continued availability of human tissues and organs to biomedical researchers in the United States. The research resource is expected to facilitate procurement, preservation, and distribution of human tissues and organs to qualified biomedical researchers.

Due Date: 1/26/2018

Funding: \$900,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=290301>

Agency: HHS-NIH
National Institutes of Health

Program: Integrated Approaches to HIV-Related Heart, Lung, Blood, and Sleep (HLBS) Comorbidities (R01)

Description: This Funding Opportunity Announcement (FOA) invites research project grant (R01) applications that propose "systems biology" approaches using clinical samples from HIV-infected patients to elucidate the biological perturbations associated with HIV-related heart, lung, blood, and sleep (HLBS) comorbidities. The ultimate goal is to better understand disease progression, which may help identify new therapeutic targets that preempt the onset of HLB diseases and sleep disorders in the HIV population.

Due Date: 12/15/2017

Funding: \$4,620,000

Awards: 6

Website: <http://www.grants.gov/view-opportunity.html?oppld=290272>

Agency: HHS-NIH
National Institutes of Health

Program: Alzheimer's Disease Outcomes Research Resource (U2C)

Description: This Funding Opportunity Announcement (FOA) invites applications to establish the measurement properties of the NIH Toolbox for Assessment of Behavioral and Neurological Function in persons with amnesic mild cognitive impairment (aMCI) and early Alzheimers disease (AD), and in individuals over 85 years of age, in order to establish a research resource that facilitates detection of disease at the earliest stages, assessment of change in function over time, and ability to track success of prevention and therapeutic interventions.

Due Date: 2/2/2017

Funding: \$2,500,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=290275>

Agency: HHS-NIH
National Institutes of Health

Program: Systems Biology: The Next Generation for Infectious Diseases (U19)

Description: This Funding Opportunity Announcement (FOA) solicits applications to establish Systems Biology Centers that use systems biology approaches to build predictive models for infectious diseases. These models will be derived from hypotheses related to systems-level host/pathogen molecular interactions during infection or treatment using integrated datasets generated from a combination of high-throughput experimental approaches, including omics technologies and computational approaches. Importantly, the Centers must clearly integrate experimental approaches and computational modeling to test and validate hypotheses of significance to the infectious diseases field.

Due Date: 3/15/2017

Funding: \$11,000,000

Awards: 5

Website: <http://www.grants.gov/view-opportunity.html?oppld=290130>

Agency: HHS-NIH
National Institutes of Health

Program: APOL1 Long-term Kidney Transplantation Outcomes Network Scientific and Data Research Center (APOLLO SDRC) (Collaborative U01)

Description: This announcement invites cooperative agreement applications to establish a multi-disciplinary group of investigators to be known as the APOL1 Long-term Kidney Transplantation Outcomes Research Network (APOLLO) Scientific Data Research Center (SDRC), and runs in parallel with a separate FOA that invites applications for the APOLLO Clinical Centers (CCs) (RFA-DK-16-025). The APOLLO Network consortium will design and conduct studies of a comprehensive, prospective longitudinal cohort to determine the impact of APOL1 genetic variants as susceptibility factors in US kidney transplant recipients who received kidneys from African-American donors. In addition, the consortium will follow the course of African-American kidney donors. Primary outcomes are the rate of change of kidney function in recipients, and rates of acute rejection of the kidney transplant, graft failure, and return to maintenance dialysis rates in the recipients. Outcomes in donors, including vital and renal functional status, will be assessed to the greatest extent possible.

Due Date: 2/24/2017

Funding: \$750,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=290139>

Agency: HHS-NIH
National Institutes of Health

Program: Knowledge Management Center for Illuminating the Druggable Genome (U24)

Description: The overarching goal of this FOA and its companion announcements is to generate a research consortium to facilitate the unveiling of the functions of selected understudied proteins in the Druggable Genome using experimental and informatics approaches. This research consortium will be a part of the Implementation Phase of the Common Fund program, Illuminating the Druggable Genome (IDG; <https://commonfund.nih.gov/idg/index>) and will be composed of multiple Data and Resource Generation Centers (DRGCs; RFA-RM-16-026), a Knowledge Management Center (KMC; RFA-RM-16-024), and a Resource Dissemination and Outreach Center (RDOC; RFA-RM-16-025). Pending availability of funds, a future initiative may be issued to focus on Cutting Edge Informatics Tools (CEITs).

Due Date: 3/14/2017

Funding: \$1,500,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=290026>

Agency: HHS-NIH
National Institutes of Health

Program: Advanced Development and Validation of Emerging Biospecimen Science Technologies for Basic and Clinical Cancer Research (R33)

Description: This Funding Opportunity Announcement solicits grant applications proposing exploratory research projects focused on further development and validation of emerging technologies that improve the quality of the samples used for cancer research or clinical care. This includes new capabilities to address issues related to pre-analytical degradation of targeted analytes during the collection, processing, handling, and/or storage of cancer-relevant biospecimens. This FOA solicits R33 applications where major feasibility gaps for the technology or methodology have been overcome, as demonstrated with supportive preliminary data, but still requires further development and rigorous validation to encourage adoption by the research community. The overall goal is to support the development of highly innovative technologies capable of maximizing or otherwise interrogating the quality and utility of biological samples used for downstream analyses. This FOA will support the development of tools, devices, instrumentation, and associated methods to preserve or protect sample integrity, or establish verification

criteria for quality assessment/quality control and handling under diverse conditions. These technologies are expected to accelerate and/or enhance research in cancer biology, early detection and screening, clinical diagnosis, treatment, epidemiology, or address issues associated with cancer health disparities, by reducing pre-analytical variations that affect biospecimen sample quality. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.

Due Date: 9/26/2017

Funding: \$800,000

Awards: 2

Website: <http://www.grants.gov/view-opportunity.html?oppld=289958>

Agency: HHS-NIH
National Institutes of Health

Program: Innovative Technologies for Cancer-Relevant Biospecimen Science (R21)

Description: This Funding Opportunity Announcement solicits grant applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies that improve the quality of the samples used for cancer research or clinical care. This includes new capabilities to address issues related to pre-analytical degradation of targeted analytes during the collection, processing, handling, and/or storage of cancer-relevant biospecimens. The overall goal is to support the development of highly innovative technologies capable of maximizing or otherwise interrogating the quality and utility of biological samples used for downstream analyses. This FOA will support the development of tools, devices, instrumentation, and associated methods to preserve or protect sample integrity, or establish verification criteria for quality assessment/quality control and handling under diverse conditions. These technologies are expected to accelerate and/or enhance research in cancer biology, early detection and screening, clinical diagnosis, treatment, epidemiology, or address issues associated with cancer health disparities, by reducing pre-analytical variations that affect biospecimen sample quality. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.

Due Date: 9/26/2017

Funding: \$1,200,000

Awards: 5

Website: <http://www.grants.gov/view-opportunity.html?oppld=289959>

Agency: HHS-NIH
National Institutes of Health

Program: NICHD Genomic Clinical Variant Expert Curation Panels (U24)

Description: The objective of this FOA is to establish expert panels that will select genes and genomic variants associated with diseases or conditions of high priority to NICHD and systematically determine their clinical significance and utility for diagnosis and treatment of these diseases or conditions. The Genomic Clinical Variant Expert Curation Panels funded through this FOA are expected to utilize the NHGRI Clinical Genomics Resource (ClinGen) and the NCBI ClinVar tools and informatics infrastructure to determine the strength of evidence supporting the clinical significance or actionability of the selected genes and variants that will support development of clinical practice guidelines.

Due Date: 1/10/2017

Funding: \$1,000,000

Awards: 3

Website: <http://www.grants.gov/view-opportunity.html?oppld=289956>

Agency: HHS-NIH
National Institutes of Health

Program: Coordinating Unit for Diabetic Complications Consortium (U24)

Description: The purpose of this FOA is to support the NIDDK Diabetic Complications Consortium Coordinating Unit (DiaComp-CU). The DiaComp-CU will continue to enhance and maintain the DiaComp website, and will provide administrative oversight for consortium meetings and opportunity pool programs.

Due Date: 1/12/2017

Funding: \$3,200,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=289973>

Agency: HHS-NIH
National Institutes of Health

Program: Advanced Development and Validation of Emerging Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R33)

Description: This announcement solicits grant applications proposing exploratory research projects focused on further development and validation of emerging technologies offering novel capabilities for targeting, probing, or assessing molecular and cellular features of cancer biology for basic or clinical cancer research. This FOA solicits R33 applications where major feasibility gaps for the technology or methodology have been overcome, as demonstrated with supportive preliminary data, but still requires further development and rigorous validation to encourage adoption by the research community. Well-suited applications must offer the potential to accelerate and/or enhance research in the areas of cancer biology, early detection and screening, clinical diagnosis, treatment, control, epidemiology, and/or address issues associated with cancer health disparities. Technologies proposed for development may be intended to have widespread applicability but must be focused on improving molecular and/or cellular characterizations of cancer. Projects proposing application of existing technologies where the novelty resides in the biological or clinical target/question being pursued are not appropriate for this solicitation and will not be reviewed. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.

Due Date: 9/26/2017

Funding: \$4,000,000

Awards: 10

Website: <http://www.grants.gov/view-opportunity.html?oppld=289960>

Agency: HHS-NIH
National Institutes of Health

Program: NIH Blueprint Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience (D-SPAN) Award (F99/K00)

Description: The purpose of the NIH Blueprint Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience (D-SPAN) Award is to support a defined pathway across career stages for outstanding graduate students who are from diverse backgrounds underrepresented in neuroscience research. This two-phase award will facilitate completion of the doctoral dissertation and transition of talented graduate students to strong neuroscience research postdoctoral positions, and will provide career development opportunities relevant to their long-term career goal of becoming independent neuroscience researchers.

Due Date: 4/8/2017

Funding: \$1,000,000

Awards: 20

Website: <http://www.grants.gov/view-opportunity.html?oppld=289824>

Agency: HHS-NIH
National Institutes of Health

Program: Comparative Biology of Neurodegeneration (R21)

Description: This FOA invites exploratory comparative biology research projects assessing how different animal species respond to challenges and damage to cellular physiology pathways that might influence the onset of Alzheimer's and other neurodegenerative diseases as well as resilience to them, such as adaptation to stress, macromolecular damage, proteostasis and stem cell function and regeneration.

Due Date: 1/7/2020

Funding: \$2,200,000

Awards: 10

Website: <http://www.grants.gov/view-opportunity.html?oppld=289756>

Agency: HUD
Department of Housing and Urban Development

Program: Healthy Homes and Lead Technical Studies Grant Program Pre and Full Application

Description: To fund technical studies to improve existing methods for detecting and controlling key housing-related health and safety hazards, including lead-based paint hazards; to develop new methods to detect and control these hazards; and to improve our knowledge of these key housing-related health and safety hazards.

Due Date: N/A

Funding: \$3,800,000

Awards: 6

Website: <http://www.grants.gov/view-opportunity.html?oppld=290236>

Agency: NEH
National Endowment for the Humanities

Program: Creating Humanities Communities

Description: The Creating Humanities Communities program provides matching grants to help stimulate and proliferate meaningful humanities activities in states and U.S. territories underserved by NEH's grantmaking divisions and

offices. Grantees will use the funds to establish and undertake new humanities programs.

Due Date: 2/15/2017

Funding: See announcement

Website: <http://www.grants.gov/view-opportunity.html?oppld=289891>

Agency: NEH
National Endowment for the Humanities

Program: National Digital Newspaper Program

Description: The National Digital Newspaper Program (NDNP) is a partnership between NEH and the Library of Congress to create a national digital resource of historically significant newspapers published between 1690 and 1963, from all the states and U.S. territories. This searchable database will be permanently maintained at the Library of Congress (LC) and will be freely accessible via the Internet. (See the website, *Chronicling America: Historic American Newspapers*.) An accompanying national newspaper directory of bibliographic and holdings information on the website directs users to newspaper titles available in all types of formats. During the course of its partnership with NEH, LC will also digitize and contribute to the NDNP database a significant number of newspaper pages drawn from its own collections. Forty-three states and one territory have joined the NDNP so far. Awards are made to an organization within each U.S. state or territory, which typically collaborates with relevant state partners in this effort. After their initial NDNP awards, state partners are encouraged to seek second and third awards, to produce a total of approximately 300,000 pages of digitized newspapers per state. Awardees may receive support for continued work beyond the third award, but the program gives priority to applications from those states and territories that have not received NDNP funding—as well as applications from states and territories that have received fewer than three awards.

Due Date: 1/12/2017

Funding: See announcement

Website: <http://www.grants.gov/view-opportunity.html?oppld=289833>

Agency: NSF
National Science Foundation

Program: Computer Science for All

Description: This program aims to provide all U.S. students the opportunity to participate in computer science (CS) and computational thinking (CT) education in their schools at the K-12 levels. With this solicitation, the

National Science Foundation (NSF) focuses on researcher-practitioner partnerships (RPPs) that foster the research and development needed to bring CS/CT to all schools. Specifically, this solicitation aims to provide high school teachers with the preparation, professional development (PD) and ongoing support that they need to teach rigorous computer science courses, and K-8 teachers with the instructional materials and preparation they need to integrate CS/CT into their teaching.

Due Date: 2/28/2017

Funding: \$20,000,000

Website: <http://www.grants.gov/view-opportunity.html?oppld=290417>

Agency: NSF
National Science Foundation

Program: Dimensions of Biodiversity

Description: Despite centuries of discovery, most of our planet's biodiversity remains unknown. The scale of the unknown diversity on Earth is especially troubling given the rapid and permanent loss of biodiversity across the globe. The goal of the Dimensions of Biodiversity campaign is to transform, by 2020, how we describe and understand the scope and role of life on Earth. This campaign promotes novel integrative approaches to fill the most substantial gaps in our understanding of the diversity of life on Earth. It takes a broad view of biodiversity, and focuses on the intersection of genetic, phylogenetic, and functional dimensions of biodiversity. Successful proposals must integrate these three dimensions to understand interactions and feedbacks between and among them. While this focus complements several core programs in BIO, it differs by requiring that multiple dimensions of biodiversity be addressed simultaneously, in novel ways, to understand their synergistic roles in critical ecological and evolutionary processes, especially pertaining to the mechanisms driving the origin, maintenance, and functional roles of biodiversity. Investigators wishing to inquire about the suitability of potential projects for Dimensions of Biodiversity are encouraged to email a brief summary and contact information to Dimensions@nsf.gov.

Due Date: 2/21/2017

Funding: \$15,000,000

Awards: 10

Website: <http://www.grants.gov/view-opportunity.html?oppld=290160>

Agency: NSF
National Science Foundation

Program: Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science

Description: Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES) is a comprehensive national initiative designed to enhance U.S. leadership in science, technology, engineering and mathematics (STEM) discoveries and innovations focused on NSF's commitment to diversity, inclusion, and broadening participation in these fields. NSF INCLUDES supports efforts to create networked relationships among organizations whose goals include developing talent from all sectors of society to build the STEM workforce. This initiative seeks to improve collaborative efforts aimed at enhancing the preparation, increasing the participation, and ensuring the contributions of individuals from groups that have traditionally been underrepresented and underserved in the STEM enterprise: women, persons with disabilities, African Americans/Blacks, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, Native Pacific Islanders, and persons from economically disadvantaged backgrounds.

Due Date: 5/16/2017

Funding: \$7,500,000

Website: <http://www.grants.gov/view-opportunity.html?oppld=290161>

Agency: NSF
National Science Foundation

Program: Algorithms for Modern Power Systems

Description: The Algorithms for Modern Power Systems (AMPS) program will support research projects to develop the next generation of mathematical and statistical algorithms for improvement of the security, reliability, and efficiency of the modern power grid. The program is a partnership between the Division of Mathematical Sciences (DMS) at the National Science Foundation (NSF) and the Office of Electricity Delivery & Energy Reliability (OE) at the U.S. Department of Energy (DOE).

Due Date: 2/13/2017

Funding: \$1,200,000

Awards: 10

Website: <http://www.grants.gov/view-opportunity.html?oppld=290118>

Agency: NSF
National Science Foundation

Program: Cyberlearning and Future Learning Technologies

Description: The purpose of the Cyberlearning and Future Learning Technologies program is to integrate opportunities offered by emerging technologies with advances in what is known about how people learn to advance three interconnected thrusts: Cyber innovation: Developing next-generation cyberlearning approaches through high-risk, high-reward advances in computer and information science and engineering; Learning innovation: Inventing and improving next-generation genres (types) of learning technologies, identifying new means of using technology for fostering and assessing learning, and proposing new ways of integrating learning technologies with each other and into learning environments to foster and assess learning; and Advancing understanding of how people learn in technology-rich learning environments.

Due Date: 2/10/2017

Funding: \$6,000,000

Awards: N/A

Website: <http://www.grants.gov/view-opportunity.html?oppld=289990>

Agency: NSF
National Science Foundation

Program: Integrative Strategies for Understanding Neural and Cognitive Systems

Description: The complexities of brain and behavior pose fundamental questions in many areas of science and engineering, drawing intense interest across a broad spectrum of disciplinary perspectives while eluding explanation by any one of them. Rapid advances within and across disciplines are leading to an increasingly interconnected fabric of theories, models, empirical methods and findings, and educational approaches, opening new opportunities to understand complex aspects of neural and cognitive systems through integrative multidisciplinary approaches. This program calls for innovative, integrative, boundary-crossing proposals that can best capture those opportunities. NSF seeks proposals that are bold, risky, and transcend the perspectives and approaches typical of single-discipline research efforts.

Due Date: 2/6/2017

Funding: \$15,000,000

Awards: 30

Website: <http://www.grants.gov/view-opportunity.html?oppld=289986>

Agency: PAMS-SC
Office of Science

Program: SciDAC: Scientific Computation Application Partnerships in Earth System Science II - Pilot Projects

Description: This Biological and Environmental Research/Advanced Scientific Computing Research (BER-ASCR) Scientific Discovery Thru Advanced Computing (SciDAC) Partnership FOA will enable scientists to conduct complex scientific and engineering computations at a level of fidelity needed to simulate real-world climate conditions, by supporting deep, necessary, and productive collaborations between climate scientists on the one hand and applied mathematicians and computer scientists on the other, that overcome the barriers between these disciplines and consequently fully exploit the capabilities of Department of Energy (DOE) High Performance Computing (HPC) systems in order to accelerate advances in climate science. This SciDAC opportunity targets three particular topics of high-priority for DOE climate research that are expected to be transformed by effective climate-computational partnerships: the development of new and innovative methods to predict sea-level change; the development of a theoretical-statistical-numerical framework to improve climate prediction; and the development of improved methods for model component coupling. The next-generation climate model capabilities will contribute to the newly launched Accelerated Climate Model for Energy (ACME) and further its progress toward design of climate codes for leadership class computers and in support of energy science and mission requirements.

Due Date: 3/15/2017

Funding: \$15,800,000

Awards: N/A

Website: <http://www.grants.gov/view-opportunity.html?oppld=290015>

Agency: PAMS-SC
Office of Science

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

Description: The U.S. Department of Energy's Office of Science, Biological and Environmental Research (BER), and the U.S. Department of Agriculture (USDA), National Institute of Food and Agriculture (NIFA), hereby announce their interest in receiving applications for genomics- based research that will lead to the improved use of plant biomass and feedstocks for the production of biofuels and renewable chemical feedstocks. Applications are sought for research on candidate herbaceous

and woody plants with improved resistance/tolerance to disease and disease complexes, and non-food oil seed crops with improved winter cold tolerance/survivability and agronomic traits. Research to overcome these biological barriers to the low-cost, high quality, scalable and sustainable production of dedicated bioenergy biomass feedstocks using the tools of genetics and genomics are encouraged.

Due Date: 2/15/2017

Funding: \$12,000,000

Awards: N/A

Website: <http://www.grants.gov/view-opportunity.html?oppld=290037>

Agency: USDA-NRCS
Natural Resources Conservation Service

Program: Maine - Conservation Innovation Grant

Description: Overview: The purpose of CIG is to stimulate the development and adoption of innovative conservation approaches and technologies, while leveraging the Federal investment in environmental enhancement and protection in conjunction with agricultural production. CIG projects are expected to lead to the transfer of conservation technologies, management systems, and innovative approaches (such as market-based systems) into NRCS technical manuals and guides or to the private sector. CIG is used to apply or demonstrate previously proven technology in order to increase adoption with an emphasis on opportunities to scale proven, emerging conservation strategies.

Due Date: 2/15/2017

Funding: \$250,000

Awards: 50

Website: <http://www.grants.gov/view-opportunity.html?oppld=290186>

Agency: USDA-NRCS
Natural Resources Conservation Service

Program: 2017 National Conservation Innovation Grants APF

Description: Overview: The purpose of CIG is to stimulate the development and adoption of innovative conservation approaches and technologies, while leveraging the Federal investment in environmental enhancement and protection in conjunction with agricultural production. CIG projects are expected to lead to the transfer of conservation technologies, management systems, and innovative approaches (such as market-based

systems) to EQIP eligible producers, into NRCS technical manuals and guides, or to the private sector. CIG is used to apply or demonstrate previously proven technology in order to increase adoption, with an emphasis on opportunities to scale proven, emerging conservation strategies. CIG promotes the sharing of skills, knowledge, technologies, and facilities among communities, governments, and other institutions to ensure that scientific and technological developments are accessible to a wider range of users. CIG projects targeting innovative on-the-ground conservation, including pilot projects, field demonstrations, and on-farm conservation research.

Due Date: 1/9/2017

Funding: \$25,000,000

Awards: 60

Website: <http://www.grants.gov/view-opportunity.html?oppld=289864>

Agency: USDOJ-OJP-NIJ
National Institute of Justice

Program: NIJ FY17 Research and Development in Forensic Science for Criminal Justice Purposes

Description: With this solicitation, NIJ seeks proposals for basic or applied research and development projects that will: (1) increase the body of knowledge to guide and inform forensic science policy and practice or (2) lead to the production of useful materials, devices, systems, or methods that have the potential for forensic application. The intent of this program is to direct the findings of basic scientific research, research and development in broader scientific fields applicable to forensic science, and ongoing forensic science research toward the development of highly discriminating, accurate, reliable, cost-effective, and rapid methods for the identification, analysis, and interpretation of physical evidence for criminal justice purposes.

Due Date: 2/28/2017

Funding: \$20,000,000

Awards: 50

Website: <http://www.grants.gov/view-opportunity.html?oppld=290187>

Agency: USDOJ
Office of Juvenile Justice Delinquency Prevention

Program: OJJDP FY 17 Internet Crimes Against Children Program Support

Description: The ICAC program supports a national network of 61 multiagency, multijurisdictional task forces engaged in investigations, forensic examinations, and prosecutions related to technology-facilitated child sexual exploitation. Additionally, the task forces provide forensic and investigative technical assistance to law enforcement and prosecutorial officials and community education information to parents, educators, prosecutors, law enforcement, and others concerned with child exploitation. This program supports OJJDP, the ICAC task forces, ICAC National Training Program providers, and other local, state, and federal law enforcement officials partnering with the ICAC task force program. The goal of this solicitation is to facilitate program support to benefit the ICAC Task Force Program. The primary objective is the delivery of specific products to serve law enforcement and other service providers and stakeholders in the ICAC Task Force Program. The deliverables (technical assistance, meeting and conference support, and information management) are directed toward the continuation, expansion, and enhancement of the ICAC task force program and include: strategic Plan for Support Service Delivery; plan to Support the ICAC Task Force National Training Event, Commanders Meetings and Implementation of The National Strategy for Child Exploitation Prevention and Interdiction (National Strategy); System for Monitoring Consumer Feedback; Training and Technical Assistance Web Site; Plan for General Project Management and Monthly Reporting; and Special Projects.

Due Date: 1/31/2017

Funding: \$2,000,000

Awards: 1

Website: <http://www.grants.gov/view-opportunity.html?oppld=290374>