

# Washington E-Update

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July 2017

***Budget and Appropriations Update*** – Even though Congress is still struggling to come up with an overall budget blueprint for itself, House appropriators are charging ahead with subcommittee markups.

The House Appropriations Committee for the most part is ignoring the spending levels proposed in President Donald Trump's budget request as the panel has begun marking some of the 12 appropriations bills.

The five bills released thus far propose spending levels that are about \$26.7 billion more than the White House requested—sending a clear signal that a GOP-controlled Congress will continue to determine spending levels and policy, not the White House.

With more markups slated when Congress returns from the July 4<sup>th</sup> recess, it seems likely the differences between congressional spending bills and the White House's request will widen. State-Foreign Operations Chairman Harold Rogers (R-KY) said he anticipates his bill will be marked up later in July. Republicans have already signaled they will resist the dramatic cuts to foreign aid in the president's request.

One glaring exception—at least initially—could be the bill funding the Departments of Labor, HHS and Education. We have received preliminary reports that the Labor-HHS-Education bill's top-line will be \$156 billion, a \$5 billion cut below current funding levels. But some suspect that's simply a placeholder until Congress can negotiate higher spending ceilings later this year.

For the time being, however, the House Appropriations Committee is operating under a budget allocation that provides \$511 billion for nondefense discretionary (\$5 billion below the statutory cap of \$516 billion) and \$621 billion for defense discretionary. Those totals are significantly different than the \$603 billion President Trump proposed for defense discretionary spending and the \$462 billion he recommended for nondefense discretionary spending.

Congress would need a bipartisan budget agreement to actually raise the spending caps set in law. And Senate Democrats have said they want parity between any increases in defense and nondefense discretionary spending levels for fiscal 2018 – meaning any agreement would likely include lifting the nondefense cap above the \$516 billion also set in law.

But those negotiations haven't actually started. And the topline numbers being discussed by House Republicans are likely to change throughout that process, meaning the spending bills moving through the House Appropriations Committee now will have to be adjusted later in the year.

## **Senators criticize proposal to cap F&A funding for NIH grants**

Research funding for the NIH was the topic of a June 22 hearing by the Senate Labor-HHS-Education appropriations subcommittee.

Chairman Roy Blunt (R-MO) said in opening, “Rest assured the committee will find unacceptable the seven and a half billion dollar cut from NIH that would, according to analysts, cost nearly 90,000 jobs nationwide and result in \$15.3 billion worth of lost economic activity.”

Ranking Member Patty Murray (D-WA) remarked on the devastating effect that would be produced by the proposal to cap indirect costs. “As you all know President Trump has proposed cutting NIH by 22%, most of it by arbitrarily capping indirect costs, resulting in the lowest level funding for biomedical research since 2002.”

Appropriations Committee Vice Chairman Patrick Leahy (D-VT) commended both Chairman Blunt and Ranking Member Murray for bolstering funds for NIH throughout the years, despite cuts delivered to the NIH in proposed budgets. “The most bi-partisan criticism of the proposed budget has been reductions for the National Institutes of Health,” Vice Chairman Leahy stated.

Ranking Member Murray asked about the proposed indirect cost cap in the fiscal year 2018 budget, “What can you tell us about the status of efforts to replace the existing, longstanding practice for calculating indirect costs with a 10% flat fee?” Collins responded by saying the average for NIH is approximately 28% of the grant awards in the extramural community, with variation. “Certainly the proposal to reduce the amount that would go from NIH to indirect cost from 28% on average to 10% has attracted a lot of attention,” Collins stated, “Universities who do this work see that as potentially quite dangerous for their ability to keep going forward.” NIH is looking at various ways to reduce the administrative burdens and current regulations, according to Collins, “But frankly I don’t think it would add up to an enormous difference to what we are currently asking our grant-receiving institutions to do, and they are the ones who do the work, we depend on them.” Collins added that the NIH intramural campus indirect cost rate was approximately 30%, and if indirect costs were capped at 10% there would be no other funds, as the campus is strictly governmental.

Senator Lamar Alexander (R-TN) expressed his dissatisfaction with the recommended cap on indirect costs for universities. Many universities spend more than the average 28% on indirect costs and any cap on the indirect cost would mean less research and more jobs moving overseas, he said. “University of Tennessee could lose \$10 million if that new policy went into place, University of Missouri \$15 million, Kansas \$4 million,” Senator Alexander pointed out the specific research universities that could face issues with a capping policy, “The only way I can think of to make that money up is either higher tuition or less research and less research is not our goal because less research means more jobs overseas.”

Senator Alexander asked Collins to create a report within the NIH of the effect of an indirect cost cap and to include how much universities would lose in funding, how much universities contribute to their own indirect costs, and whether there would be more or less research as a result of an indirect cost cap. “It is a thoroughly awful idea and bad policy,” Senator Alexander added, “It would not do what I know the President wants to do which is create more American jobs not fewer and more research not less.”

A link to the archived webcast and PDF versions of Dr. Collins’s testimony can be found at the link below: <https://www.appropriations.senate.gov/hearings/hearing-to-review-the-fy2018-budget-request-for-the-national-institutes-of-health>

## Senator Nelson urges appropriators to stop F&A cap

Senator Bill Nelson of Florida and three other Democrats sent a letter June 30 to the leaders of the Labor-HHS-Education appropriations subcommittee urging them to include language in the next appropriations bill to block the ability of the Administration to institute a 10 percent cap on F&A rates.

Joining Nelson on the letter were Senators Tammy Baldwin (D-WI), Ed Markey (D-MA) and Gary Peters (D-MI) all members of the Commerce, Science, Transportation Committee. The Senators wrote:

“This cap would result in devastating funding cuts to research universities and colleges across the country and risk our leadership in science. We recommend you include language in the FY18 appropriations bill prohibiting this unilateral change to research management.”

“The costs to maintain research infrastructure, which are shared between the universities and the federal government, are significant. Without the cost sharing model currently in place, we will lose the ability to conduct research in this country at the current scale. The United States is already losing the competitive advantage that has made us the most powerful economy in the world, and such drastic cuts to our research infrastructure will be impossible to overcome. In fact, Congress should increase investments in maintaining and building modern research infrastructure in order to drive economic growth, security, and our leadership in science.”

## 2018 appropriations bills progress in the House

Months behind schedule because of the Presidential transition and the delayed conclusion to the Fiscal 2017 appropriations process, House appropriators moved several Fiscal 2018 bills this month in a flurry of activity intended to ready as many bills as possible before the August Congressional recess. The Senate has not announced any dates for 2018 markups.

To read summaries of each, see the committee links:

Military Construction-VA, approved by the full committee June 12:

<https://appropriations.house.gov/news/documentsingle.aspx?DocumentID=394909>

Commerce, Justice, State, approved in subcommittee June 29:

<https://appropriations.house.gov/news/documentsingle.aspx?DocumentID=394951>

Defense, approved by the full committee June 29:

<https://appropriations.house.gov/news/documentsingle.aspx?DocumentID=394930>

Energy and Water, approved in subcommittee June 28:

<https://appropriations.house.gov/news/documentsingle.aspx?DocumentID=394941>

Agriculture, approved in subcommittee June 28:

<https://appropriations.house.gov/news/documentsingle.aspx?DocumentID=394939>

Financial Services, approved in subcommittee June 29:

<https://appropriations.house.gov/news/documentsingle.aspx?DocumentID=394953>

## **NSF funding supported in House CJS appropriations subcommittee hearing**

Science research funded by the National Science Foundation was the topic of a hearing by the House Appropriations Subcommittee on Commerce, Justice, and Science on June 7<sup>th</sup>.

If enacted, the administration's fiscal 2018 budget request would reduce the NSF's funding for the first time in their 67 year history. The budget request proposes \$6.65 billion for the NSF, an \$850 million dollar reduction from the money appropriated by the FY17 omnibus bill.

Subcommittee Chairman John Culberson (R-TX) assured Members' support for the NSF saying "This whole subcommittee is arm-in-arm when it comes to our support for fundamental research, the spectacular work done by the National Science Foundation." He reminded his fellow colleagues that certain scientific research requires years or decades of funding before showing concrete results.

Subcommittee members of both parties expressed concern over the thousands of grants that would no longer exist if the administration's budget request was enacted. "This level of funding endangers the core mission of NSF" ranking member Jose Serrano (D-NY) said in reference to the various fields that would suffer.

NSF Director France Cordova emphasized to the subcommittee that reducing the NSF's budget "...does present challenges and we've had to make a number of tough choices in our budget," she added "there will be impacts from reduced funding."

Watch Wednesday's full hearing below:

<https://appropriations.house.gov/calendar/eventsingle.aspx?EventID=394876>

## **NASA budget request for FY18 questioned in House hearing**

The House Appropriations Subcommittee on Commerce, Justice, Science, and Related Agencies held a hearing on the National Aeronautics and Space Administration FY 2018 budget on June 8.

The administration has proposed a \$532.8 million decrease from NASA funding this year. The budget would cut NASA programs offered through the Office of Education and research funding for Earth science missions. Many committee members asked questions about the reallocation of these programs and missions and how the organization intends to rebuild an excitement for NASA and space exploration among the nation's newest generation.

Representative Harold Rogers (R-5<sup>th</sup> KY) questioned Acting Administrator Robert M. Lightfoot Jr., about the cuts and Lightfoot said that NASA has undertaken assessments about outreach and education activities to try and perform them more effectively.

Representative Matt Cartwright (D-PA) brought up the reduction in climate science programs proposed by the administration, including a cut to earth science funding. "To achieve this 9 percent reduction," Cartwright stated, "funding for 5 earth observing missions is completely eliminated. These missions would plug crucial gaps in our understanding of Earth's complex climate and how it's changing." Lightfoot explained that NASA took a system engineering approach to all Earth science missions, asking where the data can be reciprocated and which missions, as determined by the science and the current performance, are working best for the agency. "We still have 20 operating missions, we still have an airborne science campaign, we still believe we are spending \$1.7 billion on

Earth science, and have a pretty good portfolio to allow us to understand what's happening here," Lightfoot explained.

The commercial space industry was discussed by Rep. Derek Kilmer (D-WA) who asked Lightfoot about NASA's desire to enter the commercial space industry by focusing on the commercialization of low Earth orbit and how NASA intends to communicate the low Earth orbit requirements to industry providers. Lightfoot explained that NASA is looking at numerous approaches, including the technology required to move to deep space, what requirements are necessary from a health and human perspective for crews, and continuing to consider what risks are accounted for on the International Space Station.

A link to the archived webcast is included below:

<https://appropriations.house.gov/calendar/eventsingle.aspx?EventID=394895>

## **Senate subcommittee reviews FY18 HHS budget request, proposed NIH cuts**

HHS Secretary Tom Price fielded questions from members of the Senate Appropriations Subcommittee on Labor, Health and Human Services and Education (LHHS) June 15 regarding a variety of concerns with the FY2018 budget, chief among them being proposed cuts to the National Institutes of Health.

Most subcommittee Members expressed confusion as to how a budget that proposes more than \$7 billion in cuts to NIH (~21% from FY2017) would stand to improve and increase research in spite of the bipartisan initiative to increase NIH funding each of the previous two fiscal years. Universal opposition to the proposed NIH cuts was apparent on the subcommittee.

Through the steady stream of interrogation, Secretary Price remained strident in his assertions that the budget as proposed would produce equivalent, or superior, research initiatives efficiently with far less spending. "President Trump's Budget request does not confuse government spending with government success," explained the HHS Secretary. "The President understands that setting a Budget is about more than establishing topline spending levels. Done properly, the budgeting process is an exercise in reforming our federal programs to make sure they actually work—so they do their job and use tax dollars wisely."

Despite such assertions, LHHS members continued to reiterate their lack of willingness to endorse any bill that so drastically slashes NIH and other programs. Subcommittee Chairman Roy Blunt (R-MO) made it clear that he would "not write a bill this year that reduces funding for the National Institutes of Health." He went on to explain that "NIH funding is important for those individuals suffering from life-threatening illnesses, as well as for the American taxpayer who pays for many of these individuals' care through Medicare and Medicaid. "I will not erase the gains we have made over the past two years," he added.

Democratic Subcommittee members displayed less patience with Price, excoriating him for his unwillingness to answer their line of questioning regarding other aspects of the proposed budget.

Ranking Subcommittee member Senator Patty Murray (D-WA) invoked quotes made by Price referring to the American Health Care Act (H.R. 1628) as "a victory for the American people" that would "make certain that every single American – men, women, rich, poor, old, young – have the kind of coverage they want for themselves and their families." She then addressed a tweet made by the President referring to the House Bill as "mean," before subsequently asking Mr. Price if he stood by



his initial comment in the wake of the President's archived record to the contrary. The Secretary dismissed the question saying "it's not a yes-or-no answer" and refused to answer.

Senator Jeff Merkley (D-OR) characterized the rationale of the proposed budget as one that would make drastic cuts in order to "see if reform comes of it." Price implored the senator to consider the benefit of enacting equally qualitative research with significantly less funding. Senator Merkley quickly disregarded this notion as untenable before starting a line of questioning that again addressed the President's public disavowal of the American Health Care Act (AHCA) as "mean."

[Watch the Full Review of the FY2018 Department of Health & Human Services Budget Request Here.](#)

## **EPA chief grilled on budget at House hearing**

The House Interior, Environment, and Related Agencies Appropriations Subcommittee met on June 15 to hear testimony from EPA Administrator Scott Pruitt on the agency's FY 2018 budget proposal.

Pruitt testified to the Agency's adoption of a "back-to-basics" approach, and a commitment to three core principles: rule of law, process, and cooperative federalism. Elaborating on these commitments, Pruitt stressed that a "one-size-fits-all strategy to achieve good environmental outcomes doesn't work," and that the EPA would be working with individual states and Congress to ensure that the agency's core missions are maintained while entering into conversations about how unique challenges can be overcome.

As part of the back-to-basics plan, the proposed budget cuts EPA funding by 31%, \$2.4 billion below current funding levels. As a result, the agency would lose 3,800 employees, which Pruitt confirmed would be made through attrition, a continuation of the hiring freeze, and the initiation of voluntary buy-outs. He added that about 20% of the agency is eligible for retirement today, and "that's going to increase over the next several years."

Chairman Ken Calvert (R-CA) addressed these proposed cuts in his opening remarks, stating that the budget would "significantly reduce or terminate programs that are vitally important," specifically naming the EPA's Superfund and air quality programs, saying, "These are all proposals that we are unlikely to entertain." However, he praised the budget for including support for water infrastructure, expressing his hope that in moving forward, Pruitt could work with the committee to tackle the issues ahead.

Ranking Member Betty McCollum (D-MN) expressed concern that the proposed budget would "set the agency back 30 years" through its elimination of key programs and reduction in enforcement activities, noting that the last time the EPA's budget has not been this low since 1990. Rep. Nita Lowey (D-NY) highlighted Pruitt's past role as attorney general where she said he had close ties with oil and gas companies, and led several lawsuits against the EPA during the Obama administration. "Between your disturbingly close ties to the oil and gas industries, your past work to directly undermine the EPA, and skepticism that human activity plays a role in climate change ... it's surprising you didn't propose to eliminate the agency altogether," she remarked during her opening comments.

Several committee members also disagreed with one another over the topic of the United States' recent withdrawal from the Paris Climate Agreement, to which Pruitt stated that "withdrawing from the international climate agreement was not a sign of disengagement" on the part of the federal

government in addressing clean air regulation commitments. Pruitt also noted that he started bilateral discussions with his environmental ministry counterparts in the G7 “with respect to our continued leadership” on carbon dioxide reduction while in Italy earlier in the week.

However, several subcommittee members did complain about federal disengagement from environmental protection, saying that the proposed budget would, in fact, “leave states holding the bag” when the agency’s regional environmental programs are eliminated. These regional programs cover the Chesapeake Bay, Gulf of Mexico, Lake Champlain, Long Island, the Great Lakes Restoration Initiative, South Florida, San Francisco Bay, and Puget Sound.

Rep. Derek Kilmer (D-WA) pressed Pruitt on the plan to eliminate the programs, saying, “In my region, we actually want the EPA to be engaged on an economic issue and environmental issue. We can’t afford the EPA to check out on Puget Sound recovery.” Pruitt received a similar message on the EPA’s role in the Great Lakes region from Rep. David Joyce (R-OH), who stated that the EPA’s Great Lakes cleanup program has made a “tremendous difference” in economic growth in the area, and that the states and people benefitting from this cannot afford to lose funding from the agency.

Pruitt expressed that he is looking forward to working with these various states to address clean water objectives, affirming that he has “talked to many of the governors that are impacted by these issues,” and that he is engaged in discussions with them about how a more vibrant and shared approach can be created. There are functions that the agency can perform outside of funding these programs, Pruitt argued. For the Great Lakes area, “obviously, money is important,” but a “leadership role is important, as well,” he said.

Chairman of the Appropriations Committee Rodney Frelinghuysen (R-NJ) reminded Pruitt that Congress has the power of the purse, advising him to “move with precaution and caution before you take too many dramatic steps,” while Rep. Tom Cole (R-OK) told Pruitt that in the past eight years, he will be the first EPA administrator to get more money than requested, saying, “That doesn’t mean you’ll get as much as you’ve had, but you’ll do better than you’ve asked for.”

Watch the full hearing here:

<https://appropriations.house.gov/calendararchive/eventsingle.aspx?EventID=394902>

## **Education Secretary addresses budget proposals at hearing**

Secretary of Education Betsy DeVos testified at the Senate Labor-HHS-Education Appropriations Subcommittee on June 6 to defend the Department of Education’s Budget Proposal for FY 2018, following her earlier testimony before the House subcommittee last month.

Reiterating key points from her testimony before the House subcommittee, Secretary DeVos outlined the proposal’s focus on returning decision-making power and flexibility to individual states, and a commitment to giving more power to parents through school choice initiatives. Addressing numerous cuts to federally-funded programs, Secretary DeVos defended the budget request’s emphasis on funding programs that have been “proven to help students,” and highlighted plans to “reduce the complexity of funding for college” while simultaneously making college more accessible to students through programs such as year-round Pell Grants.

In his opening remarks, Chairman Roy Blunt (R-MO) pointed out that the FY 2018 request is nearly \$24 billion below the current FY 2017 budget that was recently passed by Congress, and that cuts to programs such as TRIO and 21<sup>st</sup> Century Learning Centers would be “all but impossible” to pass through the committee.

Ranking Member Patty Murray (D-WA) expressed her concerns with Secretary DeVos' "extreme ideological intent" to privatize public education, citing the financial conflicts of interest that came up during her confirmation hearing earlier in the year. Senator Murray summed up her thoughts on the budget by stating, "I believe this budget would be devastating for our students...all across the country."

Chairman of the Full Committee Thad Cochran (R-MS) and Vice-Chairman of the Full Committee Patrick Leahy (D-VT) were also in attendance, and in his opening remarks Senator Leahy articulated that the proposal displayed a "fundamental lack of understanding" of the role of the government, and that the entire proposal could be summed up as "abysmal." Senator Leahy also noted that the cut of nearly \$4 billion from the Pell Grant program would keep students from attending college.

The FY 2018 status of Pell was approached from multiple angles by the committee, beginning with Chairman Blunt's praise for the year-round Pell initiative, which was echoed by Secretary DeVos, who stated that the implementation of year-round Pell would give non-traditional students the flexibility to set their own pace for their education. When asked whether Congress would have maximum flexibility in terms of implementation capabilities for year-round Pell, Secretary DeVos also confirmed that the Department of Education would "honor Congress in recognizing and allowing maximum flexibility" in that regard.

However, Senator Jeff Merkley (D-OR) questioned whether it would be harder for students to pay for college even with Pell grants, given that the grant proposal doesn't keep pace with the cost inflation of public schools. To this, Secretary DeVos clarified that having the year-round option of Pell will allow students to get through college more quickly if they choose to do so. Furthermore, Secretary DeVos made it known that Congress has the opportunity to increase the maximum Pell award if it so desires, in response to Senator Jack Reed's (D-RI) question about why the Pell surplus had been cut rather than maximizing the award in the budget. Finally, Senator Jerry Moran (R-KS) expressed his concern over the current authorization of year-round Pell grants that still needs guidance from the Education Department in order to be issued to students enrolled at colleges for the summer, and Secretary DeVos confirmed that the Department is on track to launch these grants on July 1.

Apart from the discussion points surrounding Pell, there was also interest from the committee concerning the proposed cuts to federal programs designed to alleviate student debt, such as Federal Work Study, Perkins Loans, Supplemental Educational Opportunity Grants (SEOG), and Public Service Loan Forgiveness (PSLF). Senator Tammy Baldwin (D-WI) referred to these cuts as "draconian," asking how the budget proposal would do anything other than push college further out of reach for young people, while Senator Richard Durbin (D-IL) stated that he could "find no relief for students facing loan debt" in the budget. Secretary DeVos addressed these concerns by informing the committee that the Federal Work Study program was being reduced, not cut entirely from the budget, while the elimination of SEOG was due to the program being duplicative of Pell. She reiterated that the proposal seeks to make college funding more flexible for students, and these cuts allow for that flexibility.

Closing out the question period, Ranking Member Murray addressed the issue of sexual assault on college campuses, calling into the question the cuts to the budget for the Office of Civil Rights (OCR), to which Secretary DeVos stated that the OCR would be level-funded with this budget, and that the intention is to fully fund the Office based on FY 2017 levels.

Watch Tuesday's full hearing here: <https://www.appropriations.senate.gov/hearings/review-of-the-fy2018-budget-request-for-the-us-department-of-education>



## House passes bill to strengthen career and technical education

The House passed the *Strengthening Career and Technical Education for the 21<sup>st</sup> Century Act* ([H.R. 2353](#)) June 22, a bipartisan bill that aims to help more Americans — especially young Americans — enter the workforce with the “knowledge and skills they need to compete for good-paying, in-demand jobs in industries critical to the nation’s economy.”

Introduced in May by Reps. Glenn “GT” Thompson (R-PA) and Raja Krishnamoorthi (D-IL), the bill is designed to:

- **Empower state and local community leaders** by simplifying and streamlining the application process for receiving federal funds, and providing more flexibility to use federal resources to respond to changing education and economic needs;
- **Improve alignment with in-demand jobs** by supporting innovative learning opportunities, building better community partnerships, and encouraging stronger engagement with employers;
- **Increase transparency and accountability** by streamlining performance measures to ensure CTE programs deliver results, empowering parents, students, and stakeholders with a voice in setting performance goals and evaluating the effectiveness of local programs;
- **Ensure a limited federal role** by reining in the secretary of education’s authority and limiting federal intervention.

To read a bill summary, click [here](#). To access a PDF of the bill in full, click [here](#).

## GME slots would be boosted under new bill

Sen. Bill Nelson (D-FL) reintroduce his legislation June 7 to alleviate the country’s growing physician shortage by expanding medical residency programs.

The *Resident Physician Shortage Reduction Act* would create 15,000 new Medicare-supported residency positions over five years at teaching hospitals across the country. The federal government pays a significant portion of the cost associated with training new doctors at teaching hospitals across the country. However, in 1997, the federal government capped the number of medical residents it would pay for each year. Since then, the U.S. population has increased by more than 50 million and the country now faces a shortage of 34,600 to 88,000 physicians by 2025, according to the Association of American Medical Colleges.

The legislation would create an additional 3,000 new Medicare-supported residency slots each year starting in 2019, ultimately creating 15,000 new residency slots across the nation by 2024. It would also require that at least half of the new residency slots created are used to train doctors in fields experiencing the most severe shortages. Full text of the bill is available [here](#).

## NIH seeking new approach to assist early and mid-career researchers

NIH announced June 8 that it would not pursue its previous intention to develop a “Grant Support Index” to guide the award of grants in the future. Because of concerns expressed, NIH is shifting

gears and will develop another approach called the “Next Generation Researchers Initiative” to focus on early and mid-career investigators.

NIH plans to continue analysis on systems to evaluate faculty productivity and time commitments, which will be reviewed by the NIH Advisory Committee to the Director and informed by stakeholder input. The links below provide an explanatory statement by NIH Director Francis Collins and information on the Next Generation Researchers Initiative.

[NIH Director's Statement](#)

[Next Generation Researchers Initiative Web Page](#)

[Presentation to the Advisory Committee to the NIH Director](#)

## Highlights of competitive grant opportunities at federal agencies

**Agency:** USAID  
Agency for International Development

**Program:** Leveraging Academic Partnerships in Operational Humanitarian Environments

**Description:** The scope and objective(s) of the program(s) to be funded under the award(s) resulting from this APS includes: leveraging a pilot program, existing research project, or an existing UN global initiative in partnership with an international NGO or UN operational partner. USAID/OFDA's primary objective will be to improve disaster response operations and corresponding interventions in countries facing chronic vulnerabilities or protracted conflict.

**Due Date:** 12/31/2017

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

**Awards:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294425>

**Agency:** USDA-AMS  
Agricultural Marketing Service

**Program:** USDA-AMS-TM-SCMP-G-17-0005

**Description:** The Agricultural Marketing Service (AMS) announces the availability of approximately \$7 million in competitive grant funds to solely 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. Specialty crops are defined as fruits and vegetables, dried fruit, tree nuts, horticulture and nursery crops, including floriculture. States are encouraged to submit projects that bring together multi-state teams of partners to research and develop solutions to practical problems that cross state boundaries and address the needs of specialty crop growers. Applications are due October 24, 2017.

**Due Date:** 10/24/2017

**Funding:** \$7,000,000  
**Awards:** 10

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

**Agency:** DOD-AFOSR  
Air Force Office of Scientific Research

**Program:** CENTER OF EXCELLENCE: Trusted Human-Machine Teaming

**Description:** The Air Force Office of Scientific Research (AFOSR) seeks unclassified proposals from educational institutions in the United States for a University Center of Excellence in in Trusted Human-Machine Teaming. This center is a joint project between the Air Force Office of Scientific Research and the Air Force Research Laboratory, Airman Systems Directorate. The center will extend the research capabilities of the Air Force Research Laboratory, and provide opportunities for a new generation of United States scientists and engineers to address the basic research needs of the Air Force. We will consider proposals for up to five (5) years with a three-year (3) base period and a two-year (2) option period.

**Due Date:** 8/18/2017

**Funding:** \$5,000,000  
**Awards:** 1

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294677>

**Agency:** DOS-DRL  
Bureau of Democracy Human Rights and Labor

**Program:** Business and Human Rights in the ICT Sector to Advance Internet Freedom

**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 collaborative policy advocacy initiatives to coordinate and amplify existing business and human rights efforts to advance Internet freedom.

**Due Date:** 9/25/2017

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

**Awards:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294643>

**Agency:** DOS-DRL  
Bureau of Democracy Human Rights and Labor

**Program:** Bureau of Democracy, Human Rights and Labor (DRL) Notice of Funding Opportunity (NOFO): Combatting Gender Based Violence in Tunisia

**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 help prevent and address gender-based violence in Tunisia. DRL seeks to enhance the ability of Tunisian government and civil society stakeholders to combat gender-based violence (GBV) by supporting advocacy efforts for improved legal protection, ensuring victim-sensitive implementation of GBV legislation, increasing rights and GBV awareness, and developing effective reporting and service-provision mechanisms.

**Due Date:** 8/4/2017

**Funding:** See Announcement

**Awards:** 1

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294414>

**Agency:** DOS-DRL  
Bureau of Democracy Human Rights and Labor

**Program:** DRL Internet Freedom Annual Program Statement

**Description:** The Bureau of Democracy, Human Rights, and Labor (DRL) announces the availability of funding for projects that support Internet freedom. DRL's goal is to protect the open, interoperable, secure, and reliable Internet by promoting fundamental freedoms, human rights, and the free flow of information online through integrated support to civil society for technology, digital safety, policy and advocacy, and applied research programs. DRL invites organizations interested in potential funding to submit SOI applications outlining program concepts that reflect this goal.

**Due Date:** 2/12/2018

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294247>

**Agency:** DOD-DARPA-DSO  
DARPA - Defense Sciences Office

**Program:** Defense Sciences Office (DSO) Office-wide

**Description:** The mission of the Defense Advanced Research Projects Agency (DARPA) Defense Sciences Office (DSO) is to identify and pursue high-risk, high-payoff research initiatives across a broad spectrum of science and engineering disciplines and to transform these initiatives into disruptive technologies for U.S. national security. In support of this mission, the DSO Office-wide BAA invites proposers to submit innovative basic or applied research concepts that explore Physical and Natural Systems, Human-Machine and Social Systems, and/or Math and Computational Systems through the lens of one or more of the following technical domains: Complexity Engineering, Science of Design, Noosphere, Fundamental Limits, and New Foundations. Proposals must investigate innovative approaches that enable revolutionary advances. DSO is explicitly not interested in approaches or technologies that primarily result in evolutionary improvements to the existing state of practice.

**Due Date:** 6/11/2018

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294598>

**Agency:** DOD-DARPA-DSO  
DARPA - Defense Sciences Office

**Program:** Topological Excitations in Electronics

**Description:** The Defense Sciences Office at the Defense Advanced Research Projects Agency (DARPA) is soliciting innovative research proposals exploring approaches to exploit topological excitations in electronics. The program aims to explore topological excitations that have recently been engineered in solid-state systems that have the potential to overcome fundamental limits faced by present electronic memory, digital logic, sensors and quantum bits (qubits) as well as other potential applications.

**Due Date:** 8/16/2017

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294551>

**Agency:** DOD-DARPA-TTO  
DARPA - Tactical Technology Office

**Program:** Innovative Systems for Military Missions

**Description:** The Tactical Technology Office of the Defense Advanced Research Projects Agency is soliciting executive summaries, white papers and proposals for advanced research, development and demonstration of innovative systems for military missions.

**Due Date:** 6/12/2018

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294585>



**Agency:** DOT  
Department of Transportation

**Program:** UTC Program 2017 Grant Solicitation for Centers in Federal Regions 1, 2, 3

**Description:** University Transportation Centers Program

**Due Date:** 8/18/2017

**Funding:** See Announcement

**Awards:** 3

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294590>

**Agency:** DOD-AMRAA  
Dept. of the Army -- USAMRAA

**Program:** DoD Parkinson's Research Program, Early Investigator Research Award

**Description:** The PRP Early Investigator Research Award supports Parkinson's disease-focused research opportunities for individuals in the early stages of their careers, under the guidance of a designated Mentor. The Early Investigator is considered the Principal Investigator (PI) of the application and must exhibit strong potential for, and commitment to, pursuing a career as an investigator at the forefront of Parkinson's disease research; however, the PI is not required to have previous Parkinson's disease research experience. Clinical fellows applying to the PRP EIRA mechanism should be specializing in movement disorders. Applications must include at least one Mentor, appropriate to the proposed research project, who has experience in Parkinson's disease research and mentoring as demonstrated by a record of active funding, recent publications, and successful mentorship. The selected Mentor(s) should also demonstrate a clear commitment to the development of the PI toward independence as a Parkinson's disease researcher.

**Due Date:** 8/31/2017

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

**Awards:** 6

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294660>

**Agency:** DOD-AMRAA  
Dept. of the Army -- USAMRAA

**Program:** DoD Parkinson's Research Program, Investigator- Initiated Research Award

**Description:** The PRP Investigator-Initiated Research Award supports highly rigorous, high-impact research projects that have the potential to make an important contribution to Parkinson's disease research and/or patient care. This award mechanism supports the full spectrum of research from basic science through clinical research that specifically focuses on scientific and clinical Parkinson's disease issues, which, if successfully addressed, have the potential to make a major impact in understanding, preventing, diagnosing, or treating Parkinson's disease or enhancing the well-being of individuals experiencing the impact of the disease.

**Due Date:** 8/31/2017

**Funding:** \$12,500,000

**Awards:** 11

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294661>

**Agency:** DOD-AMRAA  
Dept. of the Army -- USAMRAA

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

**Description:** The FY17 PRCRP Career Development Award supports independent, early-career investigators to conduct impactful research with the mentorship of an experienced cancer researcher (i.e., the Designated Mentor) as an opportunity to obtain the funding, guidance, and experience necessary for productive, independent careers at the forefront of cancer research. This award supports impactful research projects with an emphasis on discovery. Under this award mechanism, the early-career investigator is considered the Principal Investigator (PI), and the application should focus on the PI's research and career development. It should be clear that the proposed research is intellectually designed by the PI and not a product of the Designated Mentor. Preliminary data are not required. However, logical reasoning and a sound scientific rationale for the proposed research must be demonstrated.

**Due Date:** 9/28/2017

**Funding:** \$360,000 per award

**Awards:** 23

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294555>

**Agency:** DOD-AMRAA  
Dept. of the Army -- USAMRAA

**Program:** DoD Neurofibromatosis Research Program, Clinical Trial Award

**Description:** The NFRP Clinical Trial Award supports research with the potential to have a major impact on the treatment or management of NF. Clinical trials may be designed to evaluate promising new products, pharmacologic agents (drugs or biologics), devices, clinical guidance, and/or emerging approaches and technologies. Proposed projects may range from small proof-of-concept (i.e., pilot, first-in-human, or Phase 0) trials to demonstrate feasibility or inform the design of more advanced trials, through large-scale trials to determine efficacy in relevant patient populations.

**Due Date:** 8/9/2017

**Funding:** \$1,440,000

**Awards:** 1

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294422>

**Agency:** DOD-AMRAA  
Dept. of the Army -- USAMRAA

**Program:** DoD Spinal Cord Injury Research Program, Qualitative Research Award

**Description:** The intent of the Qualitative Research Award is to support qualitative research studies that will help researchers and clinicians better understand the experiences of individuals with SCI and thereby identify the most effective path(s) for adjusting to disability and/or improving overall quality of life, health, and functional status after SCI. This mechanism is specifically focused on military and Veteran populations in the years after SCI, examining the issues, barriers, and promoters of success for Service members during the transition from initial injury and acute care through rehabilitation and community reintegration; therefore, collaboration with military and VA researchers and clinicians is encouraged. Factors that may affect the rehabilitation and reintegration of spinal cord-injured Service members include, but are not limited to, age, gender, ethnicity, family members/caregivers, psychological health, severity of injury, type of medical care (e.g., civilian, VA, or military facility), and co-morbid conditions. A key feature of the QRA is the inclusion of military and/or Veteran populations in the years after SCI. Applicants should clearly describe how their study design, including recruitment strategies and access to appropriate populations, as applicable, will enable them to meet this intent.

**Due Date:** 11/29/2017

**Funding:** \$2,400,000

**Awards:** 3

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294417>

**Agency:** DOD-AMRAA  
Dept. of the Army -- USAMRAA

**Program:** DoD Neurofibromatosis Research Program, Exploration-Hypothesis Development Award

**Description:** The NFRP Exploration – Hypothesis Development Award supports the initial exploration of innovative, high-risk, high-gain, and potentially groundbreaking concepts in NF research. Studies supported by this award mechanism are expected to lay the groundwork for future avenues of scientific investigation. The proposed research project should include a well-formulated, testable hypothesis based on strong scientific rationale and study design. The presentation of preliminary and/or published data is encouraged, but not required. The proposed research project should be innovative. Innovative research may introduce a novel paradigm, challenge existing paradigms, examine existing problems from novel perspectives, or exhibit other highly creative qualities. Research that is an incremental advance upon published data is not considered innovative and is not consistent with the intent of this award mechanism. It is the responsibility of the Principal Investigator (PI) to clearly and explicitly articulate how the proposed research project is innovative in the field of NF.

**Due Date:** 8/9/2017

**Funding:** \$640,000

**Awards:** 4

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294435>

**Agency:** DOI-FWS  
Fish and Wildlife Service

**Program:** Monitoring and Assessment of White Rock and Bradford Dam Removals, Hurricane Sandy

**Description:** This is an announcement for issuing a single source financial assistance award to the University of Rhode Island. This announcement is for notification purposes only. The U.S. Fish and Wildlife Service (Service) is interested in the collection of biotic and abiotic data to evaluate construction projects funded through the Hurricane Sandy Disaster Relief Act and completed in 2015-2017. This award is under Cooperative Ecosystems Studies Unit (CESU), the North Atlantic CESU award number F14AC00282. The primary sites for this funding opportunity are the White Rock and the Bradford dam removal sites, in Connecticut and Rhode Island. The grantee will collect data to evaluate ecological parameters associated with the project goal of improving passage for migratory and resident fish and to comply with potential permit requirements with regard to changes in vegetative community composition and abiotic factors. A monitoring plan will need to be developed and is expected to follow the Stream Barrier Removal Guide (Collins et al, 2007) with monitoring metrics likely to include riparian plant community composition, invasive species extent, and river morphology among other potential variables. This project is not expected to address inundation modelling at the project sites as that will be accomplished independent of this project. This project is authorized by the Disaster Relief Appropriations Act of 2013, Public Law 113-2.

**Due Date:** 7/15/2017

**Funding:** \$99,000

**Awards:** 1

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294563>

**Agency:** DOI-FWS  
Fish and Wildlife Service

**Program:** NAWCA 2018-2 Canada Grants

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

**Due Date:** 8/25/2017

**Funding:** \$22,000,000

**Awards:** 10

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294513>

**Agency:** NARA  
National Archives and Records Administration

**Program:** Archives Leadership Institute

**Description:** The Commission seeks proposals from organizations to continue the Archives Leadership Institute, which it first funded in 2008. The Archives Leadership Institute seeks to build the capacity of attendees as leaders both in their own institutions and in the archives field. The NHPRC envisions a minimum of a one-week program that will tailor contemporary best practices in leadership skills to issues specific to archives professionals. The grantee will be responsible for all project phases, from curriculum design and development through administering the program for the attendees it selects. Topics for the Institute may include issues in technology, economics, public policy, and constituent relations, along with practical questions of administration, strategic planning, leading change, and fund raising. In addition, there should be opportunities for participants to develop solutions to the specific needs of their institutions.

**Due Date:** 12/7/2017

**Funding:** \$250,000

**Awards:** 1

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294572>

**Agency:** NARA  
National Archives and Records Administration

**Program:** Public Engagement with Historical Records

**Description:** The National Historical Publications and Records Commission seeks projects that encourage public engagement with historical records, including the development of new tools that enable people to engage online. The NHPRC is looking for projects that create models and technologies that other institutions can freely adopt. In general, collaborations between archivists, documentary editors, historians, educators, and/or community-based individuals are more likely to create a competitive proposal. Projects that focus on innovative methods to introduce primary source materials and how to use them in multiple locations also are more likely to create a competitive proposal. Projects might create and develop programs to engage people in the study and use of historical records for institutional, educational or personal reasons.

**Due Date:** 10/5/2017

**Funding:** \$275,000

**Awards:** 3

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294520>

**Agency:** NEH  
National Endowment for the Humanities

**Program:** Humanities Open Book Program



**Description:** The Humanities Open Book Program is designed to make outstanding out-of-print humanities books available to a wide audience. By taking advantage of low-cost “ebook” technology, the program will allow teachers, students, scholars, and the public to read humanities books that have long been out of print. The Humanities Open Book Program is jointly sponsored by NEH and the Andrew W. Mellon Foundation. NEH and Mellon are soliciting proposals from academic presses, scholarly societies, museums, and other institutions that publish books in the humanities to participate in the Humanities Open Book Program. Applicants will provide a list of previously published humanities books along with brief descriptions of the books and their intellectual significance. Depending on the length and topics of the books, the number to be digitized may vary. However, NEH and Mellon anticipate that applicants may propose to digitize a total that ranges from less than fifty to more than one hundred books. Awards will be given to digitize these books and make them available as Creative Commons-licensed “ebooks” that can be read by the public at no charge on computers, mobile devices, and ebook readers. The final ebook files must be in EPUB version 3.0.1 (or later) format, to ensure that the text is fully searchable and reflowable and that fonts are resizable on any e-reading

**Due Date:** 9/13/2017

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294921>

**Agency:** NEH  
National Endowment for the Humanities

**Program:** Public Humanities Projects

**Description:** Public Humanities Projects grants support projects that bring the ideas and insights of the humanities to life for general audiences. Projects must engage humanities scholarship to analyze significant themes in disciplines such as history, literature, ethics, and art history, or to address challenging issues in contemporary life. NEH encourages projects that involve members of the public in collaboration with humanities scholars or that invite contributions from the community in the development and delivery of humanities programming. This grant program supports a variety of forms of audience engagement

**Due Date:** 8/9/2017

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294484>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** Centers of Excellence in Ethical, Legal and Social Implications (ELSI) Research (CEER) (RM1)

**Description:** The National Human Genome Research Institute (NHGRI) is soliciting grant applications for the support of Centers of Excellence in Ethical, Legal and Social Implications (ELSI) Research (CEERs). The CEER Program is designed to support the establishment of sustainable trans-disciplinary research teams with the expertise and

flexibility to anticipate, conduct research on, and quickly address a range of cutting edge ethical, legal, and social issues related to genetics and genomics. The Program is intended to create new research opportunities that cross disciplinary boundaries among investigators in diverse fields, such as the genomic sciences, clinical research, clinical and health policy, ethics, law, the humanities, economics, political science, anthropology and other social sciences. In addition to conducting trans-disciplinary research, Centers will disseminate their research findings as well as facilitate the use of their findings to develop relevant research, health and public policies and practices. Finally, Centers will contribute to developing the next generation of ELSI researchers.

**Due Date:** 10/31/2017

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

**Awards:** 2

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=295032>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** NEI Center Core Grant for Vision Research (P30)

**Description:** The NEI Center Core Grant combines three or more Resource and/or Service Cores for a group of R01 investigators to enhance their research, consolidate resources, avoid duplication of efforts, and/or contribute to cost effectiveness by providing a service with lower costs or higher quality than could be attempted for independent projects by several individual Program Directors/Principal Investigators (PD(s)/PI(s)). Shared resources and facilities that are accessible to a group of independently funded investigators lead to greater productivity for the separate projects and can provide instrumentation and facilities that are too costly to be maintained by an individual investigator. The design and purpose of each Center Core may vary in how it serves its users. This program is designed to enhance an institution's environment and capability to conduct vision research and to facilitate collaborative studies of the visual system and its disorders.

**Due Date:** 9/18/2019

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294942>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** Integration of Individual Residential Histories into Cancer Research (R21)

**Description:** The purpose of this Funding Opportunity Announcement is to support substantive investigation of the role of individual residential histories in cancer etiology and outcomes, and to encourage the development of complex analytical strategies in support of substantive investigation.

**Due Date:** 9/7/2020

**Funding:** See Announcement  
**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294906>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** The Impact of Microenvironment on Lung Progenitor Cell Function (R01)

**Description:** This Funding Opportunity Announcement invites applications for basic research to elucidate the impact of microenvironment, which includes cellular components of the niche, extracellular matrix, and soluble factors, on lung progenitor cell phenotype and function during development, homeostasis, repair and regeneration. Multi-disciplinary teams with complementary expertise are encouraged to propose innovative, hypothesis-based studies to catalyze this understudied area critical to advancing lung stem cell biology. This FOA will also support the development of novel 3-dimensional, multi-component models to interrogate lung stem cell niches.

**Due Date:** 1/16/2018

**Funding:** \$2,172,000

**Awards:** 4

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294658>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** Biomedical Technology Research Resource (P41)

**Description:** This funding opportunity announcement encourages grant applications for national Biomedical Technology Research Resources (BTRR). These Resources conduct research and development of new or improved technologies driven by the needs of basic, translational, and clinical researchers. The Resources are charged to make their technologies available to the research community in a sustainable manner, to provide user training, and to disseminate the Resources technologies and experimental results. Resources should be at the leading edge of their field with respect to both technology development and engagement of the relevant research community. New applicants are strongly encouraged to submit a pre-application in response to PAR-17-315 The pre-application process provides feedback on whether the proposed technology development is appropriate for the NIGMS BTRR program, and the potential competitiveness of a full application.

**Due Date:** 5/7/2020

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294656>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** Global Brain and Nervous System Disorders Research Across the Lifespan (R01)

**Description:** This Funding Opportunity Announcement (FOA) encourages grant applications for the conduct of innovative, collaborative research projects between U.S. and low- and middle-income country (LMIC) scientists, on brain and other nervous system function and disorders throughout life, relevant to LMICs (including neurological, mental, behavioral, alcohol and substance use disorders and spanning the full range of science from basic to implementation research). Scientists in upper middle-income LMICs (UMICs) are also eligible to partner directly with scientists at other LMIC institutions with or without out a US partner. Income categories are defined by the World Bank at <http://data.worldbank.org/about/country-classifications/country-and-lending-groups>.

**Due Date:** 11/7/2019

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294618>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** Cellular and Molecular Biology of Complex Brain Disorders (R21)

**Description:** This Funding Opportunity Announcement (FOA) encourages research grant applications directed toward the discovery of the impact of alterations associated with complex brain disorders on the fundamental cellular and molecular substrates of neuronal function. The present announcement seeks R21 applications.

**Due Date:** 9/7/2020

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294576>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** HIV/HCV Co-Infections in Substance Abusers (R01)

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to fill gaps in our understanding of (a) the impact of substance abuse on HIV, HIV/HCV co-infection associated disease progression, (b) the pathogenic interactions between HIV and hepatitis C virus, (c) hepatic and non-hepatic co-morbidities associated with HIV/HCV-co-infections in people with substance abuse disorders (SUDs), and (d) the effectiveness of interferon-free direct acting antiviral (DAAs) drug regimens to treat HIV/HCV co-infections in people with SUDs. This FOA is informed by priority area in the NIH HIV/AIDS Research Priorities and Guidelines for Determining AIDS Funding: <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-15-137.html> and the HHS National Viral Hepatitis Action Plan 2017-2020: <https://www.hhs.gov/hepatitis/blog/2017/01/19/updated-national-viral-hepatitis-action-plan-2017-2020.html>

**Due Date:** 1/7/2018

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

**Awards:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294580>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** Administrative Supplements for Research on Dietary Supplements (Admin Supp)

**Description:** This Funding Opportunity Announcement announces the availability of administrative supplements to support research in which the supplemental funding would investigate the role of dietary supplements and/or their ingredients in health maintenance and disease prevention. Parent awards need not be focused on dietary supplements; this FOA may provide support to include dietary supplements within the scope of relevant research projects. Research interests of ODS are not limited to specific health conditions, organ systems or population groups. ODS supports all types of research, including pre-clinical, clinical, behavioral, and epidemiological. Additionally, ODS supports research and training programs that build future research capacity for studying the role of dietary supplements in health and disease prevention. Primary consideration for support will be given to applications that stimulate dietary supplement research where it is lacking or lagging, clarify gaps, opportunities and balance between benefits and risks where data are in conflict, target special population groups where additional science on dietary supplements is needed, and focus on the use of dietary supplements in improving or maintaining health and reducing the risk of chronic disease. This FOA will not support new clinical trials.

**Due Date:** 4/15/2018

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294471>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** NSF Publication 17-565

**Description:** The purpose of this FOA issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), NIH is to announce the re-competition of the Reproductive Scientist Development Program (RSDP). This program constitutes a national network of mentors and scholars, in contrast to K12 programs that are based solely at a single applicant institution. The purpose of the RSDP is to provide career development support for obstetricians and gynecologists who have completed their clinical training, and who are committed to a career conducting basic science research in an academic setting. The overall goal of the Program is to strengthen the field of obstetrics and gynecology by encouraging the application of contemporary science advances to clinical practice and facilitating the transition to independence of physician-scientists in areas related to obstetrics and gynecology and its subspecialties.

**Due Date:** 10/30/2017

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

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294450>



**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** Imaging the Persistent HIV Reservoir (R01)

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to support the development of imaging approaches to identify and characterize persistent HIV reservoirs in patients undergoing suppressive antiretroviral therapy (ART) and to quantify the nature and size of these reservoirs in response to therapeutic interventions

**Due Date:** 5/7/2020

**Funding:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294418>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** Socioeconomic Disparities in Health and Mortality at Older Ages (R01)

**Description:** The purpose of this funding opportunity announcement (FOA) is to support studies that identify mechanisms, explanations, and modifiable risk factors underlying recent trends of growing inequalities in morbidity and mortality by income, education, and geographic location at older ages in the United States.

**Due Date:** 10/20/2017

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

**Awards:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294186>

**Agency:** HHS-NIH11  
National Institutes of Health

**Program:** Partnerships for the Development of Vaccines and Immunophylactics Targeting Multiple Antimicrobial-Resistant Bacteria (R01)

**Description:** The purpose of this Funding Opportunity Announcement (FOA) is to support milestone-driven projects focused on discovery, establishment of proof-of-concept for, and/or preclinical development of, lead candidate vaccines or immunophylactics that target multiple antimicrobial-resistant Gram-negative bacterial pathogens prevalent in nosocomial infections: carbapenem-resistant Enterobacteriaceae (CRE), multidrug-resistant (MDR) Acinetobacter and MDR Pseudomonas aeruginosa.

**Due Date:** 10/4/2017

**Funding:** \$7,000,000

**Awards:** See Announcement

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294210>

**Agency:** NSF  
National Science Foundation

**Program:** Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences

**Description:** The Division of Mathematical Sciences (DMS) in the Directorate for Mathematical and Physical Sciences (MPS) at the National Science Foundation and the National Institute of General Medical Sciences at the National Institutes of Health plan to support research in mathematics and statistics on questions in the biological and biomedical sciences. Both agencies recognize the need for promoting research at the interface between the mathematical sciences and the life sciences. This program is designed to encourage new collaborations, as well as to support existing ones.

**Due Date:** 9/18/2017

**Funding:** \$5,000,000

**Awards:** 20

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294827>

**Agency:** NSF  
National Science Foundation

**Program:** Advanced Technological Education

**Description:** With an emphasis on two-year colleges, the Advanced Technological Education (ATE) program focuses on the education of technicians for the high-technology fields that drive our nation's economy. The program involves partnerships between academic institutions and industry to promote improvement in the education of science and engineering technicians at the undergraduate and secondary school levels. The ATE program supports curriculum development; professional development of college faculty and secondary school teachers; career pathways; and other activities.

**Due Date:** 10/5/2017

**Funding:** \$59,000,000

**Awards:** 75

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294625>

**Agency:** NSF  
National Science Foundation

**Program:** Geography and Spatial Sciences Program

**Description:** The mission of the NSF Geography and Spatial Sciences (GSS) Program is to promote: basic scientific research in geography and spatial science that advances theory, fundamental understanding, and scientific approaches and addresses the challenges facing society. The education and training of geographers and spatial scientists in order to enhance the capabilities of current and future generations of researchers. The involvement of geographers and spatial scientists in interdisciplinary research. The Geography and Spatial Sciences Program supports basic research about the

geographic distributions and interactions of human, physical, and biotic systems on Earth.

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

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

**Awards:** 40

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294460>

**Agency:** NSF  
National Science Foundation

**Program:** Innovative Technology Experiences for Students and Teachers  
National Science Foundation

**Description:** As the nation continues to expand the horizon of opportunities and possibilities through advances in science, technology, engineering and mathematics (STEM), the need for a more diverse and well-prepared STEM workforce is also expanding [1]. The challenge of preparing citizens for the expanding workforce and the changing workplace environments calls for new innovations in STEM education [2]. ITEST is a research and development program that supports projects to promote PreK-12 student interests and capacities to participate in the STEM and information and communications technology (ICT) workforce of the future. The ITEST program supports research on the design, development, implementation, and selective spread of innovative strategies for engaging students in technology-rich experiences that: (1) increase student awareness of STEM occupations; (2) motivate students to pursue appropriate education pathways to STEM occupations; or (3) develop disciplinary-based knowledge and practices, or promote critical thinking, reasoning skills, or communication skills needed for entering STEM workforce sectors. ITEST projects may adopt an interdisciplinary focus that includes multiple STEM disciplines, focus on a single discipline, or focus on one or more sub-disciplines. The ITEST program supports projects that provide evidence for factors, instructional designs, and practices in formal and informal learning environments that broaden participation of students from underrepresented groups in STEM fields and related education and workforce domains. Projects that actively engage business and industry partners to better ensure that PreK-12 experiences foster the knowledge and skill-sets needed for emerging STEM occupations are strongly encouraged.

**Due Date:** 9/5/2017

**Funding:** \$20,000,000

**Awards:** 18

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294427>

**Agency:** NSF  
National Science Foundation

**Program:** Historically Black Colleges and Universities Undergraduate Program

**Description:** Historically Black Colleges and Universities have awarded a large share of bachelor's degrees to African American students in science, technology, engineering and mathematics (STEM), and nine of the top ten baccalaureate institutions of African

American STEM doctorate recipients from 2008-2012 are HBCUs.[1] In 2012, 8.5% of black undergraduates attended HBCUs,[2] and HBCUs awarded 16.7% of the bachelor's degrees and 17.8% of the S&E bachelor's degrees to black students that year.[1] To meet the nation's accelerating demands for STEM talent, more rapid gains in achievement and successful degree completion in STEM for underrepresented minority populations are needed. The Historically Black Colleges and Universities Undergraduate Program (HBCU-UP) is committed to enhancing the quality of undergraduate STEM education and research at HBCUs as a means to broaden participation in the nation's STEM workforce. To this end, HBCU-UP provides awards to develop, implement, and study evidence-based innovative models and approaches for improving the preparation and success of HBCU undergraduate students so that they may pursue STEM graduate programs and/or careers. Support is available for Targeted Infusion Projects, Broadening Participation Research Projects, Research Initiation Awards, Implementation Projects, Achieving Competitive Excellence Implementation Projects, and Broadening Participation Research Centers; as well as other funding opportunities.

**Due Date:** See Announcement

**Funding:** See Announcement

**Website:** [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5481&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5481&WT.mc_id=USNSF_39&WT.mc_ev=click)

**Agency:** NSF  
National Science Foundation

**Program:** Geography and Spatial Sciences Program- Doctoral Dissertation Research Improvement Awards

**Description:** The Geography and Spatial Sciences Program supports basic research about the geographic distributions and interactions of human, physical, and biotic systems on Earth. Investigators are encouraged to propose plans for research about the nature, causes, and consequences of human activity and natural environmental processes across a range of scales. Projects about a broad range of topics may be appropriate for support if they offer promise of enhancing fundamental geographical knowledge, concepts, theories, methods, and their application to societal problems and concerns. As part of its effort to encourage and support projects that explicitly integrate education and basic research, GSS provides support to improve the conduct of doctoral dissertation projects undertaken by doctoral students enrolled in U.S. universities when the dissertation research is conducted in a scientifically sound manner and it offers strong potential for enhancing more general scientific knowledge.

**Due Date:** See Announcement

**Funding:** \$400,000

**Awards:** 25

**Website:** [https://www.nsf.gov/pubs/2017/nsf17567/nsf17567.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](https://www.nsf.gov/pubs/2017/nsf17567/nsf17567.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

**Agency:** NSF  
National Science Foundation

**Program:** Provision of Marine Seismic Capabilities to the U.S Research Community

**Description:** Proposals are solicited to support needs of the marine seismic research community that are currently provided by the specialized seismic research vessel R/V Marcus G. Langseth. The vessel is owned by the National Science Foundation and operated by the Lamont Doherty Earth Observatory of Columbia University (LDEO). NSF has determined that the current operational model is unsustainable and, with this solicitation, seeks proposals that provide comparable access to marine seismic capability through innovative approaches to R/V Marcus G. Langseth use or by other means. The successful proposal will be administered as a Cooperative Agreement over the five-year period of performance.

**Due Date:** 8/21/2017

**Funding:** \$50,000,000

**Awards:** 1

**Website:** [https://www.nsf.gov/pubs/2017/nsf17563/nsf17563.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](https://www.nsf.gov/pubs/2017/nsf17563/nsf17563.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

**Agency:** NSF  
National Science Foundation

**Program:** Division of Physics- Investigator Initiated Research Projects

**Description:** The Division of Physics (PHY) supports physics research and the preparation of future scientists in the nation's colleges and universities across a broad range of physics disciplines that span scales of space and time from the largest to the smallest and the oldest to the youngest. The Division is comprised of disciplinary programs covering experimental and theoretical research in the following major subfields of physics: Accelerator Science; Atomic, Molecular and Optical Physics; Computational Physics; Elementary Particle Physics; Gravitational Physics; Integrative Activities in Physics; Nuclear Physics; Particle Astrophysics; Physics of Living Systems; Plasma Physics (supported under a separate solicitation); and Quantum Information Science.

**Due Date:** See Announcement

**Funding:** \$90,000,000

**Awards:** 30

**Website:** [https://www.nsf.gov/pubs/2017/nsf17561/nsf17561.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](https://www.nsf.gov/pubs/2017/nsf17561/nsf17561.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

**Agency:** NSF  
National Science Foundation

**Program:** Geography and Spatial Sciences Program

**Description:** The Geography and Spatial Sciences Program supports basic research about the geographic distributions and interactions of human, physical, and biotic systems on Earth. Investigators are encouraged to propose plans for research about the nature, causes, and consequences of human activity and natural environmental processes across a range of scales. Projects about a broad range of topics may be appropriate for



support if they offer promise of enhancing fundamental geographical knowledge, concepts, theories, methods, and their application to societal problems and concerns.

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

**Funding:** \$5,000,000

**Awards:** 30

**Website:** [https://www.nsf.gov/pubs/2017/nsf17566/nsf17566.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](https://www.nsf.gov/pubs/2017/nsf17566/nsf17566.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

**Agency:** PAMS-SC  
Office of Science

**Program:** Theoretical Research in Magnetic Fusion Energy Science

**Description:** The Fusion Energy Sciences (FES) program in the Office of Science (SC), U.S. Department of Energy (DOE), announces its interest in receiving new or renewal grant applications for theoretical and computational research relevant to the U.S. magnetic fusion energy sciences program. Applications selected in response to this Funding Opportunity Announcement will be funded in Fiscal Year 2018, subject to the appropriation of funds by the Congress. The specific areas of interest are: 1. Macroscopic Stability 2. Confinement and Transport 3. Boundary Physics 4. Plasma Heating & Non-inductive Current Drive, and 5. Energetic Particles

**Due Date:** 8/18/2017

**Funding:** \$10,000,000

**Awards:** 10

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294721>

**Agency:** PAMS-SC  
Office of Science

**Program:** Collaborative Fusion Energy Research in the DIII-D National Program

**Description:** The Fusion Energy Sciences (FES) Program of the Office of Science (SC), U.S. Department of Energy (DOE), hereby announces its interest in receiving grant applications for collaborative research in fusion energy science as part of the DIII-D national research program. The mission of the DIII-D program is to establish the scientific basis for the optimization of the tokamak approach to fusion energy production. The primary means to accomplish this mission is research utilizing the DIII-D tokamak to develop the ultimate potential of the tokamak concept as a magnetic confinement system. The DIII-D program also involves foundational fusion energy science research to make progress on a broad front toward predictive understanding of fusion plasmas.

**Due Date:** 9/21/2017

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

**Awards:** 5

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294475>

**Agency:** PAMS-SC  
Office of Science

**Program:** FY2017 Research Opportunities in Accelerator Stewardship

**Description:** The mission of the Accelerator Stewardship program is to support fundamental accelerator science and technology development of relevance to many fields beyond High Energy Physics, and to disseminate accelerator knowledge and training to the broad community of accelerator users and providers. Further information about the Accelerator Stewardship program may be found at <http://science.energy.gov/hep/research/accelerator-stewardship/>

**Due Date:** 7/17/2017

**Funding:** \$3000000

**Awards:** 5

**Website:** <https://www.grants.gov/view-opportunity.html?oppld=294249>