

THE STATE UNIVERSITY SYSTEM OF FLORIDA

WASHINGTON E-UPDATE

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Budget and Appropriations Update – With the House gone for its August break and the Senate focused almost solely on confirming sub-cabinet level nominations, completing work on the 12 appropriations bills required to keep the government operating will have to wait until September—or later.

As it now stands, Congress hasn't made much progress on its basic obligations, with no indication that House and Senate leaders can, as promised, restore an orderly budget process.

Before leaving for a month-long break, the House passed a “minibus” spending bill on July 27 covering four of the 12 annual appropriations bills for defense, military construction and veterans' benefits, energy and the legislative branch—including \$1.57 billion for barriers along parts of the U.S.-Mexico border.

But there's little likelihood that the bill will be enacted in its current form. Because Democrats can block any appropriations bills in the Senate, given the 60-vote threshold required there, the two parties will need to reach a budget deal to first raise the limits on defense and nondefense spending that were enacted in 2011.

Democrats say they will not go along with the border wall funding, or the big defense spending increase in the House bill (the minibus violates statutory defense spending ceilings currently in place) if there are not comparable increases on the nondefense side.

As far as border wall funding, "I ultimately think there are ways to get that done," said Rep. Mario Diaz-Balart, R-Fla., the chairman of the Transportation-HUD Appropriations Subcommittee. "There are a lot of negotiations to still take place. We're talking about \$1.6 billion in the larger scheme of things."

Senate Democratic Leader Charles E. Schumer (D-NY) expressed hope last week that spending negotiations this fall would follow the model laid out earlier this year when lawmakers and the Trump administration reached a deal on the \$1.07 trillion omnibus spending bill.

The Senate Appropriations Committee has approved six of the 12 spending bills so far. No markups are scheduled for the upcoming week and there is no indication from Senate leaders that the chamber will take up any spending bills before it breaks for the recess.

The House Appropriations Committee has approved all 12 of its fiscal 2018 spending bills. (See below for links to each.)

Bipartisan, bicameral negotiations to increase the \$1.065 trillion discretionary spending cap have not yet begun. Absent some sort of “grand bargain” before the end of September, it’s highly likely that Congress will have to pass a continuing resolution to keep the government funded into the new fiscal year.

Links to FY 2018 appropriations documents

The House and Senate Appropriations Committee have seen a flurry of activity this month as leaders sought to move Fiscal Year 2018 bills through the approval process. The action was compressed into a few weeks because of a delayed start forced by a very late wrap up of the 2017 process completed in May when Congress approved an omnibus spending package. See below for links to FY 2018 appropriations documents currently available:

Agriculture

House

[H.R. 3268](#)

[House Report 115-232](#)

[Summary](#)

Senate

[FY2018 Agriculture Appropriations Bill, S1603](#)

[FY2018 Agriculture Appropriations Bill, Report 115-131](#)

[Summary](#)

Commerce, Justice, Science

House

[H.R. 3267](#)

[House Report 115-231](#)

[Summary](#)

Senate

[FY2018 Commerce Justice Science Appropriations Bill, S1662](#)

[FY2018 Commerce Justice Science Appropriations Bill, Report 115-139](#)

[Summary](#)

Defense

House

[H.R. 3219](#)

[House Report 115-219](#)

[Summary](#)

Energy and Water

House

[H.R. 3266](#)

[House Report 115-230](#)

[Summary](#)

Senate

[FY2018 Energy and Water Development Appropriations Act, S1609](#)

[FY2018 Energy and Water Development Appropriations Act, Report 115-132
Summary](#)

Financial Services

House

[H.R. 3280](#)

[House Report 115-234](#)

[Summary](#)

Homeland Security

House

[Full Committee Draft](#)

[Full Committee Report](#)

[Summary](#)

Interior and Environment

House

[Full Committee Draft](#)

[Full Committee Report](#)

[Summary](#)

Labor, HHS, Education

House

[Full Committee Draft](#)

[Full Committee Report](#)

[Summary](#)

Legislative Branch

House

[H.R. 3162](#)

[House Report 115-199](#)

[Summary](#)

Senate

[FY2018 Legislative Branch Appropriations Bill, S1648](#)

[FY2018 Legislative Branch Appropriations Bill, Report 115-137](#)

[Summary](#)

Military Construction and Veterans Affairs

House

[H.R. 2998](#)

[House Report 115-188](#)

[Summary](#)

Senate

[FY2018 MilCon-VA Appropriations Bill, S1557](#)

[FY2018 MilCon-VA Appropriations Bill, Report 115-130](#)

[Summary](#)

State, Foreign Operations

House

[Full Committee Draft](#)

[Full Committee Report](#)

[Summary](#)

Transportation, Housing and Urban Development

House

[Full Committee Draft](#)

[Full Committee Report](#)

[Summary](#)

Senate

[FY2018 Transportation, HUD Appropriations Bill, S1655](#)

[FY2018 Transportation, HUD Appropriations Bill, Report 115-138](#)

[Summary](#)

House appropriations bill would block F&A rate cap; boost NIH funding & maintain Pell grant level

Congressional appropriators moved swiftly this month to block the Administration's FY 2018 proposal to impose a 10 percent cap on F&A rates for NIH grant.

The House version of the FY2018 Labor-HHS-Education appropriations bill contains bill text that would prohibit the Secretary of HHS from enacting the new policy change. To take effect, the provision will have to be included in the final conference committee version of the bill -- not expected to occur until December -- but it represents a strong signal to the Administration on the proposal.

The bill approved by the full Appropriations Committee on July 19 contains Section 228 on the F&A issue:

SEC. 228. In making Federal financial assistance, the NIH shall continue to apply the provisions relating to indirect costs in part 75 of title 45, Code of Federal Regulations, including with respect to the approval of deviations from negotiated rates, to the same extent and in the same manner as the NIH applied such provisions in the third quarter of fiscal year 2017. None of the funds appropriated by this Act may be used by the NIH to develop or implement a modified approach to such provisions, or to intentionally or substantially expand the fiscal effect of the approval of such deviations from negotiated rates beyond the proportional effect of such approvals in such quarter.

Another House appropriations report, by the Commerce, Justice, Science subcommittee, addresses indirect costs relating to the National Science Foundation:

Indirect costs.—In testimony delivered in May 2017, Preliminary Observations on Indirect Costs for Research (GAO-17-576T), GAO provided its preliminary review of trends in indirect costs for NSF's

research and education awards and its process for setting indirect cost rates. The Committee directs NSF to address GAO's preliminary findings from its interim assessment as well as any recommendations that are made in GAO's final report and provide a report within 120 days of enactment of this Act on NSF's progress in implementing any GAO recommendations regarding indirect costs for research; the reasons for the increase in indirect costs as a percentage of annual award funding since 2010; and the variation in budgeted indirect costs across different types of NSF research and education awards.

NIH funding

Overall, the Labor-HHS-Education appropriations bill provides a total of \$35.2 billion for NIH, an increase of \$1.1 billion above the fiscal year 2017 enacted level and \$8.6 billion above the President's budget request. Included in the total, the bill takes advantage of the full amount of \$496 million in additional funds for the NIH Innovation Account established in the 21st Century Cures bill.

The bill provides increases for several critical research initiatives, including:

- \$1.8 billion, a \$400 million increase, for Alzheimer's disease research,
- \$336 million, a \$76 million increase, for the Brain Research through Application of Innovative Neurotechnologies (BRAIN) initiative,
- \$400 million, a \$80 million increase, for the All of Us research initiative (formerly called the Precision Medicine Initiative),
- \$300 million for the Cancer Moonshot,
- \$10 million, an \$8 million increase, for regenerative medicine research, and
- \$12.6 million for the Gabriella Miller "Kids First" pediatric cancer research initiative.

Pell Grants maintained

The bill also provides funding to Education Department programs, the Institute of Museum and Library Services, and the Corporation for Public Broadcasting among others. The bill provides \$22.4 billion to maintain the maximum Pell grant award at \$5,920 in the 2018–2019 academic year, however it draws on the current \$8 billion Pell surplus by rescinding over \$3.2 billion from that cushion. The Federal Work Study program would receive the same level of funding as currently available and TRIO programs would receive a \$60 million increase to \$1 billion. To read the Labor-HHS-Education report, [click here](#).

House extends GI Bill educational benefits

The House unanimously passed bipartisan legislation July 24 to provide the biggest expansion of college aid for military veterans in a decade, creating a so-called "forever GI Bill." The Senate version ([S1598](#)) was approved in a Senate Committee markup July 26 -- lasting less than one minute.

The Harry W. Colmery Veterans Educational Assistance Act of 2017 ([H.R. 3218](#)) would remove time restrictions to use the GI Bill, enabling future eligible recipients to use their

GI bill benefits for their entire lives, as opposed to the current 15-year timeline. Harry Colmery was the principal architect of the original GI bill of 1944.

The bill would also simplify the benefit for future servicemembers by consolidating the GI Bill into a single program over time, which would reduce VA's administrative costs.

The legislation also provides significant increases in GI Bill funding for Reservists and Guardsmen, dependents, surviving spouses and surviving dependents. It provides 100% GI Bill eligibility to Post 9/11 Purple Heart recipients. In addition, the bill restores eligibility for servicemembers whose school closes in the middle of a semester and creates a pilot program that would pay for veterans to take certain STEM courses.

The fast moving package was originally introduced July 13, with a hearing the next week and floor consideration July 24. The bill is budget neutral and was sponsored by every member of the House Committee on Veterans' Affairs. A similar bill is expected to soon receive a hearing in the Senate by the Veterans Affairs Committee.

House Members pen letter to oppose Pell Grant rescission in appropriations bill

122 Democratic Members of the House sent a letter to Appropriations Committee leaders July 19 on behalf of protecting the Pell Grant surplus in the upcoming 2018 spending bill for the Education Department. Floridians signing the letter included Reps. Alcee Hastings, Frederica Wilson, Val Demings, Stephanie Murphy, and Kathy Castor

The current Labor-HHS-Education bill contains a provision rescinding \$3.3 billion of the \$8.5 billion surplus for the program.

The letter states that if the rescission remains in effect, a total of \$4.6 billion would have been taken out of the program over the past two years, and that it threatens future efforts to improve the program.

"This proposed cut imperils the affordability of college for low-income students both now and in the future. The Committee on Education and the Workforce is poised to consider a comprehensive reauthorization of the higher Education Act. Without these reserve funds, the ability to raise the maximum Pell Grant award, which currently covers less than a third of the cost of attendance at a four-year public college, or enact other improvements to college affordability will be nearly impossible."

House passes bill to reauthorize FDA user fees

A new bill reauthorizing user fee programs for the Food and Drug Administration was passed by the House on July 12.

H.R. 2430, the FDA Reauthorization Act (FDARA) contains provisions on the Generic Drug User Fee Amendments (GDUFA), the Biosimilar Use Fee Act (BsUFA), the Prescription Drug User Fee Act (PDUFA), and the Medical Device User Fee Amendments (MDUFA) helping to ensure the agency has the tools needed to more swiftly deliver safe and effective drugs, devices, and treatments to patients.

Among its other provisions, the bill:

- Renews the FDA's authority to collect fees from the prescription drug and medical device industries – fees that make up about \$2 billion of the FDA's nearly \$5 billion budget
- Sets new fee levels for fiscal years 2018-2022
- Requires the FDA to prioritize the approval of certain generic drugs and set up a system for the regulation of hearing aids that don't require a prescription
- Requires the FDA to consider how to increase access to clinical trials for people with terminal illnesses seeking experimental treatments

The House-passed version of the bill is nearly identical to the Senate version (S. 934), but was altered at the last-minute to include language to address Senate priorities and to include a provision allowing the FDA to require makers of certain cancer drugs for adults to conduct studies on their use in children as well.

“This bipartisan work has produced a big win for patients,” said Energy and Commerce Committee Chairman Greg Walden (R-OR), the bills main sponsor. “FDARA will help bring lower-cost generic drug alternatives and biosimilars to market faster – increasing competition and lowering drug costs – and it will streamline the process for reviewing and approving new treatments and cures for patients, ultimately delivering new and innovative therapies, drugs, and devices to patients more quickly,” he added.

The bill now moves to the Senate for consideration. The full text of H.R. 2430 is available [here](#).

New Dream Act introduced in the Senate

After a dozen previous bills have been introduced dating back 16 years, two Senators have introduced a new version of the Dream Act.

Senators Lindsey Graham (R-SC) and Dick Durbin (D-IL) introduced the Dream Act on July 20, a bill to allow immigrant students who grew up in the United States to earn lawful permanent residence and eventually American citizenship if they:

- Are longtime residents who came to the U.S. as children;
- Graduate from high school or obtain a GED;
- Pursue higher education, work lawfully for at least three years, or serve in the military;

- Pass security and law enforcement background checks and pay a reasonable application fee;
- Demonstrate proficiency in the English language and a knowledge of United States history; and
- Have not committed a felony or other serious crimes and do not pose a threat to our country.

“These young people have lived in America since they were children and built their lives here,” said Sen. Graham. “There is support across the country for allowing Dreamers -- who have records of achievement -- to stay, work, and reach their full potential. We should not squander these young people’s talents and penalize our own nation. Our legislation would allow these young people – who grew up in the United States – to contribute more fully to the country they love. They have a powerful story to tell and this may be an area where both parties can come together.”

A fact sheet on the Dream Act is available [here](#). A section-by-section is available [here](#).

Hearings held as student loan borrower and gainful employment rules are halted

Having announced its decision to stop implementation of the “[borrower defense to repayment](#)” and “[gainful employment](#)” rules, the Department of Education held two public hearings to listen to comments on July 10 in Washington and July 12 in Dallas. The department said it would convene negotiated rulemaking committees to develop revisions to the rules.

The hearings brought testimony from both sides of the issue as the department decides whether to renegotiate, delay, or completely eliminate the rules. Among those in opposition to the rules were for-profit schools, some community colleges, and small institutions arguing that the regulations are unrealistic and politically based.

Education Secretary Betsy DeVos justified delaying the rules, stating that a muddled process puts a significant burden on taxpayers. Small colleges explained the burden of cost, time, and sheer confusion while compiling data on their graduates incomes and loan amounts.

Among those who testified in favor of the rules included the American Federation of Teachers, National Consumer Law Center, Young Invincibles, Americans for Financial Reform, the American Legion, Student Veterans of American, Veterans Education Success, Higher Ed Not Debt, and Generation Progress.

Congressman Mark Takano (D-CA), a former public school teacher and community college trustee, criticized the department’s decision to delay implementation of the rules saying “The Department of Education is not responsible for protecting fraudulent, for-profit companies. It is responsible for protecting students and taxpayers.”

A group of 19 state attorney generals filed a lawsuit against the Department of Education for delaying borrower defense rules without any warning. It is still unclear as to when or if the department will move forward with negotiated rule-making.

Spinoff of air traffic control at heart of House bill delay

House Transportation Committee Chairman Bill Shuster (R-PA) is trying to whip up enough votes to get his FAA bill H.R. 2997, *the 21st Century Aviation Innovation, Reform, and Reauthorization Act*, on the chamber floor in September. The current authorization for the FAA and related activities is set to expire at the end of the 2017 fiscal year on September 30, as set by the 14-month FAA Extension, Safety, and Security Act of 2016.

H.R. 2997 would establish a federally chartered, not-for-profit corporation, known as the American Air Navigation Services Corporation (AANS), to assume responsibility for operating the U.S. air traffic control system. Under current law this function is performed by the FAA. To finance the costs of providing air traffic services, the bill would authorize the corporation to charge fees to users of such services and to issue debt. These changes would occur on October 1, 2020, until then the bill would authorize appropriations for the FAA to continue operating the air traffic control system.

The bill included several provisions related to unmanned aircraft systems (UAS) that would require the Secretary to develop a plan to integrate UAS into the National Airspace System. If the Secretary determines certain UAS may operate safely in the NAS, the Secretary shall establish requirements for the safe operation of such systems. The provisions also streamline a process for the FAA to permit the operation of small UAS used for aerial data collection, such as imaging and measurement. The Office of Budget Management stated that this integration of UAS into the NAS “would advance technology by encouraging innovation in this rapidly developing segment of the aviation industry.” Other provisions in H.R. 2997 include:

Sec. 711. Associate Administrator for Research and Development. Directs the Administrator to appoint an Associate Administrator for Research and Development no later than three months after the enactment of the Act and provides the responsibilities of the position. This position shall be a Senior Executive Service position.

Sec. 721. Unmanned Aircraft Systems and Research Development Roadmap. Updates the current provision requiring a yearly roadmap for integrating UAS into the NAS to also include plans for conducting and utilizing research and development.

Sec. 725. Special Rule for Research and Development. This section allows UAS operators who are using UAS for research and development purposes to

operate so long as they meet certain requirements (to be established by the FAA) to ensure safety, making the U.S. competitive with foreign states.

Sec. 731. Cyber Testbed. Directs the Administrator to establish a Cyber Testbed for research, development, testing, evaluation, and validation within six months after the bill's enactment.

The Congressional Research Service (CRS) issued a report suggesting parts of the bill could be unconstitutional. The report states that it could be difficult for a court to determine if the new ATC organization created by the bill would be a non-government entity, and if so whether they would be violating the nondelegation doctrine. Shuster dismissed the CRS report stating it was not a 'definitive assessment.' Members on both side of the aisle expressed concerns over the effects the FAA bill would have on national security and the Department of Defense's use of airspace.

The National Taxpayers Union will press House members to vote in favor of Shuster's bill if it gets on the floor, stating "[H.R. 2997] is the consummation of years of conservative work to ensure greater consumer choice, lower taxpayer costs, and an expansion of advanced aviation innovation." Former Clinton administration officials, including former Transportation secretaries Federico Pena and Norman Mineta, sent a letter to House members Thursday, July 27 urging them to pass the FAA reauthorization. A majority of Senators are thought to be against a spinoff of the air traffic control system.

To view the full bill text, use the link below:

<http://docs.house.gov/billsthisweek/20170717/BILLS%20-115HR2997-RCP115-25.pdf>

New CDC Director appointed

Brenda Fitzgerald, M.D. was named Director of the Centers for Disease Control and Prevention and Administrator of the Agency for Toxic Substances and Disease Registry (ATSDR) on July 7. HHS Secretary Tom Price made the appointment.

Dr. Fitzgerald has been commissioner of the Georgia Department of Public Health (DPH) and state health officer for the past six years. She replaces Dr. Anne Schuchat, who has been the acting CDC director and acting ATSDR administrator since January 20. Dr. Schuchat is returning to her role as CDC's principal deputy director.

A board-certified obstetrician-gynecologist, Dr. Fitzgerald has practiced medicine for three decades. As Georgia DPH Commissioner, she had responsibility for various state public health programs and directed the state's 18 public health districts and 159 county health departments. She served on the board and as president of the Georgia OB-GYN Society and she worked as a health care policy advisor with House Speaker Newt Gingrich and Senator Paul Coverdell. She has served as a Senior Fellow and Chairman of the Board for the Georgia Public Policy Foundation.

Dr. Fitzgerald holds a Bachelor of Science degree in Microbiology from Georgia State University and a Doctor of Medicine degree from Emory University School of Medicine. She completed post-graduate training at the Emory-Grady Hospitals in Atlanta and held an assistant clinical professorship at Emory Medical Center. As a Major in the U.S. Air Force, Dr. Fitzgerald served at the Wurtsmith Air Force Strategic Air Command (SAC) Base in Michigan and at the Andrews Air Force Base in Washington, D.C.

NIH announces community partners for 'All of Us' research program

The National Institutes of Health announced its first four community partner awards July 25 to begin building a national network of trusted leaders to motivate diverse communities to join the [All of Us Research Program](#), part of the Precision Medicine Initiative. These awardees will raise awareness about the program among seniors, Hispanics and Latinos, African Americans and the LGBTQ community, to complement other outreach efforts of the program. NIH anticipates making additional funding awards for community partners in the future, drawing on the lessons learned from this initial set of awardees.

All of Us is an ambitious effort to gather data over time from 1 million or more people living in the United States, with the ultimate goal of accelerating research and improving health. Unlike research studies that are focused on a specific disease or population, *All of Us* will serve as a national research resource to inform thousands of studies, covering a wide variety of health conditions. Researchers will use data from the program to learn more about how individual differences in lifestyle, environment and biological makeup can influence health and disease. By taking part, people will be able to learn more about their own health and contribute to an effort that will advance the health of generations to come.

“Community partners are integral to *All of Us*,” said Eric Dishman, director of *All of Us* at NIH. “This first-of-its-kind program seeks to include people from all walks of life, and these community partner awardees were selected to help achieve that goal.”

Awardees include the following:

- Senior Citizens, Inc. ([FiftyForward \(link is external\)](#)), based in Savannah, Georgia, and Nashville, Tennessee, will share information about *All of Us* at affiliated lifelong learning centers and through home-based services to reach rural, economically disadvantaged and older adult populations. FiftyForward also will train peer ambassadors to inspire community members to join.
- The [National Alliance for Hispanic Health \(link is external\)](#), based in Washington, D.C., will launch bilingual (English and Spanish) national and local initiatives to promote *All of Us* in Hispanic communities and work to overcome potential challenges to participation. These initiatives will be led by community-based organizations that will integrate *All of Us* information into ongoing, locally tailored

activities, including community and family events, health care clinic services and wellness services provided by “promotores,” or lay health educators.

- The [Delta Research and Educational Foundation \(link is external\)](#), based in Washington, D.C., in collaboration with Delta Sigma Theta Sorority, Inc. and the National Council of Negro Women, will launch a national health initiative called “Research Matters: Creating Possibilities to Achieve Health and Wellness for the *All of Us* Research Program.” The team’s community engagement plan will include outreach at events and communications through mass media, social media and direct solicitation to promote the need for inclusive research to reduce health disparities affecting African-Americans.
- The [San Francisco General Hospital Foundation \(link is external\)](#) will form a national network to engage sexual and gender minorities across the country in *All of Us*. The team will provide input on enrollment materials and research plans, develop customized educational programs and study best practices in the dissemination of research results to support retention.

House science subcommittee examines STEM in preparing the 21st Century workforce

Computer science education and STEM programs in the 21st century workforce were discussed at a July 26 hearing by the House Science, Space and Technology Subcommittee on Research and Technology.

The Subcommittee heard the testimony of four career computer science and STEM professionals from academia as well as the private sector. The most salient theme that members of the Subcommittee focused on was the importance of developing computer science and STEM literacy at a young age through the education system, particularly through means that encourage interest from females and underrepresented minorities.

The Subcommittee approached the topic with universal bipartisan agreement and used the hearing as a way to gain insight that could be implemented toward structuring future legislative initiatives.

Subcommittee Chairwoman Barbara Comstock (R-VA) opened up questioning, addressing the shortage of skilled STEM employees – particularly women and people of color – in America by asking what professional and academic organizations, as well as Congress, could be doing to better build awareness. Dee Mooney, the Executive Director at the Micron Technology Foundation, responded by saying that there are efforts taking place all over the country to start integrating computer science courses into curricula. She went on to explain that it is essential for students to start these programs early in the K-12 to ensure a proper learning progression.

Pat Yongpradit, the Chief Academic Officer for Code.org, echoed this sentiment, stating that studies have shown that interest in computer science is more prevalent among students who had it incorporated into their K-8 curricula.

“Our research at the K-8 level shows that when there’s a teacher in a classroom teaching these students, the classrooms are more diverse and the students go further,” Yongpradit said. “That’s why where we put our money is in the classroom and in school, making sure that these students in school can have that experience and that all student can have that experience and don’t have to go to an online provider outside of school to get that fundamental computer science experience.

He went on to explain that often the issue with computer science implementation within curricula is giving it priority. According to Yongpradit, though school systems across the country have already begun incorporating computer science courses into their curricula, other elective courses are given precedence because they are viewed as more beneficial to the educational development of students.

James Brown, Executive Director, STEM Education Coalition outlined several key points:

- At all levels of educational attainment, STEM job holders earn 11 percent higher wages compared to their same-degree counterparts in other jobs.
- Half of all STEM jobs are available to workers without a four-year college degree, and these jobs pay \$53,000 on average—a wage 10 percent higher than jobs with similar educational requirements.
- 60 percent of U.S. employers are having difficulties finding qualified workers to fill vacancies at their companies.
- While the U.S. economy grapples with economic recovery, job postings in the STEM occupations outnumber unemployed workers by nearly two to one.
- The top 10 bachelor-degree majors with the highest median earnings are all in STEM fields.
- Almost all of the 30 fastest-growing occupations in the next decade will require at least some background in STEM.

To view the hearing webcast, [click here](#).

NIH to hold summit on caregiving

Judy Woodruff, anchor and managing editor of PBS NewsHour, will be the keynote speaker at an NIH summit on caregiving August 7-8. The National Institute of Nursing Research and partners will convene the meeting, *The Science of Caregiving: Bringing Voices Together*, on the NIH campus in Bethesda, Maryland. The event will be live streamed and archived at: <https://videocast.nih.gov/>.

The summit will provide perspectives across the spectrum of caregiving, including the importance of caregiving across the lifespan as well as current and future directions for research to improve the health of patients and caregivers.

Judy Woodruff will present the Summit's keynote address. Because of her experience caring for her oldest son, who was born with spina bifida, Ms. Woodruff is dedicated to raising awareness of the critical role that caregivers play in society.

Gail Gibson Hunt, President and CEO of the National Alliance for Caregiving (a non-profit coalition dedicated to conducting research and developing national programs for family caregivers and the professionals who serve them), and Dr. Laura Gitlin, founding Director of the Johns Hopkins Center for Innovative Care in Aging and Professor at the Johns Hopkins University School of Nursing, will serve as Directors of Ceremonies at the Summit.

The meeting will be held August 7 from 12 p.m. to 5 p.m. ET and August 8 from 8:30 a.m. to 3:30 p.m. ET. To view a list of speakers and the agenda, visit: <https://www.ninr.nih.gov/newsandinformation/events/caregivingsummit>.

Highlights of competitive grant opportunities at federal agencies

- Agency:** HHS-ACF-OHS
Administration for Children and Families - OHS
- Program:** Migrant and Seasonal Head Start Grantee - Florida, in Orange County, New York
- Description:** Through this announcement, the Administration for Children and Families solicits applications from local public or private non-profit organizations, including community-based and faith-based organizations, or for-profit agencies within a community that wish to compete for funds that are available to provide Migrant and Seasonal Head Start services to children and families residing in Florida, in Orange County, New York. Funds in the amount of \$4,973,214 annually will be available to provide Migrant and Seasonal Head Start program services to eligible children and their families. Interested applicants may email the OHS Operations Center at OHSTech@reviewops.org for additional information.
- Due Date:** See Announcement
- Funding:** \$4,973,214
- Awards:** 1
- Website:** <https://www.grants.gov/view-opportunity.html?oppld=295794>

Agency: HHS-ACF-OHS
Administration for Children and Families - OHS

Program: Head Start and/or Early Head Start Grantee - The Cities of Apalachicola, Panama City Beach, and Panama City, Florida

Description: Through this announcement, the Administration for Children and Families solicits applications from public or private non-profit organizations, including community-based and faith-based organizations, or for-profit organizations that wish to compete for funds that are available to provide Head Start and/or Early Head Start services to children and families residing in the Cities of Apalachicola, Panama City Beach, and Panama City, Florida. Funds in the amount of \$5,611,699 annually will be available to provide Head Start and/or Early Head Start program services to eligible children and their families. Interested applicants may email the OHS Operations Center at OHSTech@reviewops.org for additional information.

Due Date: See Announcement

Funding: \$5,611,699

Awards: 2

Website: <https://www.grants.gov/view-opportunity.html?oppld=295372>

Agency: HHS-ACF-OHS
Administration for Children and Families - OHS

Program: Head Start and/or Early Head Start Grantee - Pinellas County, Florida

Description: Through this announcement, the Administration for Children and Families solicits applications from public or private non-profit organizations, including community-based and faith-based organizations, or for-profit organizations that wish to compete for funds that are available to provide Head Start and/or Early Head Start services to children and families residing in Pinellas County, Florida. Funds in the amount of \$14,853,366 annually will be available to provide Head Start and/or Early Head Start program services to eligible children and their families. Interested applicants may email the OHS Operations Center at OHSTech@reviewops.org for additional information.

Due Date: See Announcement

Funding: \$14,853,366

Awards: 3

Website: <https://www.grants.gov/view-opportunity.html?oppld=295366>

Agency: HHS-ACF-ORR
Administration for Children and Families - ORR

Program: Refugee Career Pathways Program

Description: The Office of Refugee Resettlement (ORR) within the Administration for Children and Families (ACF) invites eligible entities to submit competitive grant applications for the Refugee Career Pathways (RCP) Program. Through the RCP Program ORR will provide funding to implement projects assisting refugees to qualify for licenses and certifications necessary to attain employment and improve self-sufficiency. Allowable activities will include case management, training and technical assistance, specialized English language training, and mentoring. Grantees may also provide refugee participants with financial assistance for costs related to the establishment or re-establishment of credentials, such as obtaining educational credits or enrollment in required certification programs. Grantees are encouraged to collaborate with professional associations, universities, and others with expertise in this area to facilitate career opportunities in ways that supplement, rather than supplant, existing services.

Due Date: 8/29/2017

Funding: \$3,000,000

Awards: 12

Website: <https://www.grants.gov/view-opportunity.html?oppld=295131>

Agency: DOD-AFRL
Air Force -- Research Lab

Program: Science and Technology for Autonomous Teammates (STAT)

Description: The objective of Science and Technology for Autonomous Teammates (STAT) program is to develop and demonstrate autonomy technologies that will enable various AF mission sets. This research will be part of Experimentation Campaigns in: 1 -Multi-domain Command and Control; 2- Intelligence, Surveillance, Recognizance (ISR) Processing Exploitation and Dissemination (PED); and 3- Manned-Unmanned combat Teaming to demonstrate autonomy capabilities to develop and demonstrate autonomy technologies that will improve Air Force operations through human-machine teaming and autonomous decision-making. The technology demonstrations that result from this BAA will substantially improve the Air Force's capability to conduct missions in a variety of environments while minimizing the risks to Airmen. Particular areas of interest include multi-domain command and control, manned-unmanned teaming, and information analytics..

Due Date: 7/7/2023

Funding: \$950,000,000
Awards: See Announcement
Website: <https://www.grants.gov/view-opportunity.html?oppld=295281>

Agency: DOS-INL
Bureau of International Narcotics-Law Enforcement

Program: Statistical Monitoring of Costa Rican Criminal, Security, and Justice Sector Context

Description: This project seeks to increase the availability and reliability of comprehensive national statistics, related to various aspects of organized criminality, justice sector efficacy, and citizen security, by regularly compiling and consolidating key statistics and creating mechanisms to centralize this data, so as to be easily accessible by Government of Costa Rica leadership, INL, and key international partners.

Due Date: 9/6/2017

Funding: See Announcement
Awards: 1

Website: <https://www.grants.gov/view-opportunity.html?oppld=295279>

Agency: ED
Department of Education

Program: Office of Postsecondary Education (OPE): International Research and Studies Program: Research, Studies, and Surveys

Description: The International Research and Studies (IRS) Program provides grants to institutions, public and private agencies, organizations, and individuals to conduct research and studies to improve and strengthen instruction in modern foreign languages, area studies, and other international fields. The Department is authorized to invite applications for research, surveys, or studies and applications for instructional materials for an IRS competition. For FY 2017, however, the Department is inviting applications only for research, surveys, or studies.

Due Date: 8/14/2017

Funding: \$712,329
Awards: 10

Website: <https://www.grants.gov/view-opportunity.html?oppld=295172>

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

Program: DoD Epilepsy, Idea Development Award

Description: See Announcement

Due Date: 9/20/2017

Funding: \$4,800,000

Awards: 8

Website: <https://www.grants.gov/view-opportunity.html?oppld=295756>

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

Program: DoD, Peer Reviewed Alzheimer's

Description: See Announcement

Due Date: 9/20/2017

Funding: \$3,800,000

Awards: 5

Website: <https://www.grants.gov/view-opportunity.html?oppld=295757>

Agency: DOI-FWS
Fish and Wildlife Service

Program: Yukon River Salmon Research and Management Assistance FY2018

Description: The U.S. Fish and Wildlife Service receives funds for implementation of the Yukon River Salmon Agreement with Canada which was reached in March 2001. The Yukon River Salmon Agreement of 2000 authorizes funds for implementation of the Agreement including funds for cooperative research and management projects on the Alaska portion of the Yukon River. The Service administers these funds through financial assistance on a competitive basis for projects/studies/events that advance the scientific community's and public's understanding of the biology and management of Chinook and chum salmon in the Yukon River of Alaska. The following is a request for conceptual project proposals of one year in length addressing the needs of the priority

Due Date: 1/5/2018

Funding: \$260,000

Awards: 8

Website: <https://www.grants.gov/view-opportunity.html?oppld=295271>

Agency: DOE-GFO
Golden Field Office

Program: Advanced Manufacturing Graduate-Level Traineeships

Description: Through this Funding Opportunity Announcement, DOE intends to fund university-led Traineeship Programs that address workforce training needs in the early-stage technology area of advanced materials and process technologies of high importance to manufacturing. The following objectives guide the Office of Energy Efficiency and Renewable Energy (EERE) Advanced Manufacturing Office's (AMO) traineeship efforts:• Advance the DOE mission – Traineeship programs are designed and implemented to advance specific Science, Technology, Engineering and Math (STEM) workforce competencies required for the DOE's unique mission to ensure America's security and prosperity by addressing its science and energy challenges, particularly with regard to advanced manufacturing. • Address priority STEM workforce needs and identified gaps in early-stage advanced manufacturing technology – Traineeship programs focus on advancing those critical STEM disciplines and competencies specifically relevant to the AMO missions where other U.S. Government or academic workforce development programs either do not exist or where DOE-relevant early-stage technology areas are not being leveraged to support specific DOE mission responsibilities. The high priority topic identified in this traineeship program is advanced manufacturing (advanced materials and process technologies in manufacturing).

Due Date: 9/13/2017

Funding: \$2,500,000

Awards: 2

Website: <https://www.grants.gov/view-opportunity.html?oppld=295605>

Agency: HHS-HRSA
Health Resources and Services Administration

Program: Service Area Competition

Description: This notice solicits applications for the Health Center Program's Service Area Competition (SAC). The Health Center Program supports public and private nonprofit community-based and patient-directed organizations that provide primary health care services to the Nation's medically underserved. The purpose of the SAC NOFO is to ensure continued access to affordable, quality primary health care services for communities

and vulnerable populations currently served by the Health Center Program. This NOFO details the SAC eligibility requirements, review criteria, and awarding factors for organizations seeking funding for operational support to provide primary health care services to an announced service area under the Health Center Program.

Due Date: 9/19/2017

Funding: \$94,800,000

Awards: 44

Website: <https://www.grants.gov/view-opportunity.html?oppld=295214>

Agency: HHS-HRSA
Health Resources and Services Administration

Program: Increasing Organ Donation Awareness

Description: The Health Resources and Services Administration, Healthcare Systems Bureau, Division of Transplantation is accepting applications for fiscal year (FY) 2018 Increasing Organ Donation Awareness grant program. The overall purpose of the program is to reduce the gap between the demand for organ transplants and the supply of organ donors. The specific goals for the FY 2018 grant cycle include: (1) reduce the gap between the demand for organ transplants and the supply of transplantable organs by identifying successful strategies that can serve as model interventions to increase deceased organ donation registration, (2) increase public awareness and knowledge about opportunities for and risks and benefits of living donation, (3) increase knowledge and willingness of the public to donate vascularized composite allografts (VCA), specifically hands and face, after death, and (4) identify effective non-traditional portals for donor registration.

Due Date: See Announcement

Funding: \$1,000,000

Awards: 3

Website: <https://www.grants.gov/view-opportunity.html?oppld=295235>

Agency: HHS-HRSA
Health Resources and Services Administration

Program: Vision Screening in Young Children

Description: To improve vision screening and eye health in young children by providing technical assistance and education to state public health entities in implementing evidence-based recommendations for coordinated

education, screening, follow-up and surveillance of vision problems in preschool-aged children

Due Date: See Announcement

Funding: \$300,000

Awards: 1

Website: <https://www.grants.gov/view-opportunity.html?oppld=295200>

Agency: HHS-HRSA
Health Resources and Services Administration

Program: Ryan White Part A HIV Emergency Relief Grant Program

Description: The Ryan White HIV/AIDS Program (RWHAP) Part A HIV Emergency Relief Grant Program provides direct financial assistance to an eligible metropolitan area (EMA) or a transitional grant area (TGA) that has been severely affected by the HIV epidemic. Grants support developing or enhancing access to a comprehensive continuum of high quality, community-based care for low-income individuals and families with HIV through the provision of formula, supplemental, and Minority AIDS Initiative (MAI) funds. Based on an assessment of the services and gaps in the HIV care continuum within a jurisdiction or service area, planning bodies and recipients identify specific service categories to fund that will facilitate improvements at specific stages of the HIV care continuum, and strengthen strategies to reach minority populations. Comprehensive HIV/AIDS care consists of core medical services and support services that meet the criteria of enabling individuals and families living with HIV/AIDS to access and remain in primary medical care to improve their medical outcomes. HAB requires EMAs/TGAs to collect data to support identification of need, for planning purposes, and to validate the use of RWHAP funding. A comprehensive application should reflect how those data were used to develop and expand the system of care in EMA/TGA jurisdictions.

Due Date: See Announcement

Funding: \$620,080,000

Awards: 52

Website: <https://www.grants.gov/view-opportunity.html?oppld=295203>

Agency: HHS-HRSA
Health Resources and Services Administration

Program: Maternal and Child Health Nutrition Training Program

Description: Ensures optimal nutrition-related care of MCH populations by providing interdisciplinary graduate education and training to MCH nutrition professionals designed to foster leaders in the field and collaborative partnerships with State Title V and other MCH programs.

Due Date: See Announcement

Funding: \$1,060,800

Awards: 6

Website: <https://www.grants.gov/view-opportunity.html?oppld=295209>

Agency: NASA-HQ
NASA Headquarters

Program: ROSBio Appendix C: Solicitation of Proposals for Possible Inclusion in a Russian Bion-M2 Mission

Description: See Announcement

Due Date: 8/24/2017

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295500>

Agency: NARA
National Archives and Records Administration

Program: Access to Historical Records: Major Initiatives

Description: The National Historical Publications and Records Commission seeks projects that will significantly improve public discovery and use of major historical records collections. All types of historical records are eligible, including documents, photographs, born-digital records, and analog audio and moving images. Projects may: • Digitize historical records collections, or related collections, held by a single institution and make them freely available online• Provide access to born-digital records• Create new freely-available virtual collections drawn from historical records held by multiple institutions• Create new tools and methods for users to access recordsThe NHPRC welcomes collaborative projects, particularly for bringing together related records from multiple institutions. Projects that address significant needs in the field and result in replicable and scalable approaches will be more competitive. We also encourage organizations to actively engage the public in the work of the project.

Due Date: 1/18/2018

Funding: \$1,000,000

Awards: 5

Website: <https://www.grants.gov/view-opportunity.html?oppld=295495>

Agency: HHS-NIH11
National Institutes of Health

Program: National Centers for Translational Research in Reproduction and Infertility (P50)

Description: The Eunice Kennedy Shriver National Institute of Child Health and Human Development through the Fertility and Infertility (FI) Branch, provides funding for a limited number of research centers in the reproductive sciences. These centers provide an arena for multidisciplinary interactions among basic and clinical scientists interested in establishing high quality translational research programs in this scientific area. The centers also serve as national resources for the training and career development of junior scientists electing to pursue biomedical research careers in reproduction and infertility. Finally, center investigators develop and participate in community outreach and education efforts to increase awareness and convey the importance and implications of their research activities to the general public. The purpose of this FOA is to announce the re-competition of the National Centers for Translational Research in Reproduction and Infertility (NCTRI). The NCTRI will be administered through the Specialized Research Center (P50) award mechanism. These centers will form a national network that facilitates and accelerates bidirectional knowledge transfer between the laboratory and clinic with the ultimate goal of improving human reproductive health through research excellence and innovation

Due Date: 11/27/2017

Funding: \$5,300,000

Awards: 3

Website: <https://www.grants.gov/view-opportunity.html?oppld=295836>

Agency: HHS-NIH11
National Institutes of Health

Program: CAPSTONE Centers for Multidisciplinary Research in Child Abuse and Neglect (P50)

Description: This funding opportunity announcement will use the specialized research center mechanism (P50) to call for multidisciplinary centers to serve as the CAPSTONE for research on child abuse and neglect and to serve as a national resource for the field. The Center(s) will conduct innovative and

high quality research including: 1) trials testing the efficacy and effectiveness of clinical interventions; 2) longitudinal prospective studies examining the long term effects of specific and understudied types of maltreatment including abusive head trauma, medical child abuse and neglect, chronic sexual abuse; 3) studies examining the neurobiology of abuse and neglect and implications for health outcomes; and 4) studies testing the development of screening tools and clinical assessment measures for early identification and treatment of specific types of abuse and neglect to decrease morbidity and mortality and to identify potential comorbidities. The Centers are also required to propose a community engagement core which will provide opportunities for students and faculty at all levels, to be exposed to cutting edge educational tools and technologies, research, and expertise within the field of child maltreatment. A central goal of this core will be to engage the scientific and lay professional communities in participatory activities such as technical assistance, evidence-based practice, participation in grand rounds, conferences and seminars, or webinars based on information emanating from the other cores.

Due Date: 11/27/2017

Funding: \$1,800,000

Awards: 2

Website: <https://www.grants.gov/view-opportunity.html?oppld=295740>

Agency: HHS-NIH11
National Institutes of Health

Program: Exploratory/Developmental Investigations on Primary Immunodeficiency Diseases (R21)

Description: This Funding Opportunity Announcement will support innovative exploratory/developmental investigations on primary immunodeficiency diseases focusing on ex vivo studies with human specimens and on studies with current or new animal models including novel clinical strategies for detecting, identifying the molecular basis of, or developing innovative therapies for primary immunodeficiency diseases. In addition, this FOA aims to encourage analyses of clinical data and samples maintained in primary immunodeficiency registries, consortium databases and repositories to address questions relevant to primary immunodeficiency research.

Due Date: 7/16/2019

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295754>

Agency: HHS-NIH11
National Institutes of Health

Program: Using Small Molecules and Molecular Genetics to Identify Novel Targets and Mechanisms Contributing to Tumor Immune Evasion (R01)

Description: The purpose of this funding opportunity is to stimulate research on the identification of new and novel targets and mechanisms involved in tumor immune evasion, which may be amenable to analysis by small molecules, pharmacological, or molecular genetics approaches. A specific focus of this FOA is to encourage cross disciplinary collaborations between immunologists, cell biologists, medicinal chemists, pharmacologists, and molecular biologists.

Due Date: 5/7/2020

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295706>

Agency: HHS-NIH11
National Institutes of Health

Program: Discovery of Small Molecule Immunomodulators for Cancer Therapy (R01)

Description: The purpose of this funding opportunity announcement is to promote the discovery of novel small molecules that may enhance the ability of the immune system to selectively recognize and attack cancer cells. These small molecules could be further developed into stand-alone immunotherapeutics or synergistic partners for existing therapies, or as chemical probes for the discovery and validation of novel targets involved in anti-tumor immunity. Investigators from multiple scientific disciplines (immuno-oncology, tumor biology, screening technology, medicinal chemistry, and pharmacology) are encouraged to establish collaborative teams to discover and develop novel small molecule immunomodulators for cancer therapy. This FOA encourages the design of research projects that utilize the following phases of discovery research: 1) assay development specifically designed for immuno-oncology targets with the intent to screen for novel small molecule compounds that show potential as either probes or drugs, or as pre-therapeutic leads; 2) screen implementation for immunomodulatory targets to identify initial screening hits (from high throughput target-focused approaches or moderate throughput phenotypic- and fragment-based approaches); 3) hit validation

through secondary orthogonal and counter screening assays, and hit prioritization; and 4) hit-to-lead optimization.

Due Date: 5/7/2020

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295725>

Agency: HHS-NIH11
National Institutes of Health

Program: NIAID Physician-Scientist Pathway to Independence Award (K99/R00)

Description: The purpose of the NIAID Physician-Scientist Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented independent physician-scientists. This program is designed to facilitate a timely transition of outstanding postdoctoral researchers with a clinical doctorate degree from mentored, postdoctoral research positions to independent, tenure-track or equivalent faculty positions. The program will provide independent NIAID research support during this transition to help awardees launch competitive, independent research careers in biomedical fields and thereby help to address the national physician-scientist workforce shortage.

Due Date: 5/7/2020

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295714>

Agency: HHS-NIH11
National Institutes of Health

Program: Tobacco Regulatory Science (R21)

Description: The purpose of this Funding Opportunity Announcement is to invite research project applications to support biomedical and behavioral research that will provide scientific data to inform regulation of tobacco products to protect public health. Research Projects must address the research priorities related to the regulatory authority of the Food and Drug Administration Center for Tobacco Products (CTP). The awards under this FOA will be administered by NIH using funds that have been made available through FDA CTP and the Family Smoking Prevention and Tobacco Control Act (P.L. 111-31). Research results from this FOA are expected to generate findings and data that are directly relevant in

informing the FDA's regulation of the manufacture, distribution, and marketing of tobacco products to protect public health.

Due Date: 2/13/2019

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295698>

Agency: HHS-NIH11
National Institutes of Health

Program: Small Grants on Primary Immunodeficiency Diseases (R03)

Description: This Funding Opportunity Announcement (FOA) will support small grants on primary immunodeficiency diseases focusing on ex vivo studies with human specimens and on studies with current or new animal models including novel clinical strategies for detecting, identifying the molecular basis of, or developing innovative therapies for primary immunodeficiency diseases. In addition, this FOA aims to encourage analyses of clinical data and samples maintained in primary immunodeficiency registries, consortium databases and repositories to address questions relevant to primary immunodeficiency research. The R03 grant supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources. Investigators who have not received independent NIH funding or independent NIH funding in this field are encouraged to apply to this FOA.

Due Date: 7/16/2019

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295739>

Agency: HHS-NIH11
National Institutes of Health

Program: NIMH Administrative Supplement Program to Enable Continuity of Research Experiences of MD/PhDs during Clinical Training (Admin Supp)

Description: The purpose of the NIMH Administrative Supplement Program to Enable Continuity of Research Experiences of MD/PhDs during Clinical Training is to support advanced research opportunities for exceptional individuals

holding the MD/PhD degree who are early in their research careers and thereby help these individuals transition efficiently and effectively from the period of clinical training to the next stage of their research careers. This administrative supplement program will provide focused, protected research time for eligible individuals during residency and/or clinical fellowship. The proposed research experience must have the potential to contribute significantly to the candidates research career. Administrative supplements must support work within the scope of the original project. All applicants are encouraged to discuss potential requests with the NIMH prior to submission (see Section VII. Agency Contacts).

Due Date: 4/1/2020

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295668>

Agency: HHS-NIH11
National Institutes of Health

Program: Central Neural Mechanisms of Age-Related Hearing Loss (R01)

Description: The purpose of this Funding Opportunity Announcement is to encourage basic or clinical research applications that investigate central neural mechanisms of age-related hearing loss in older adults and/or in relevant animal models. This FOA is driven by the need to address a major gap in our understanding of the central pathways and neural networks that are involved in hearing loss and how these may be altered in the context of the aging brain, as well as how natural aging influences central auditory plasticity.

Due Date: 11/8/2017

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295652>

Agency: HHS-NIH11
National Institutes of Health

Program: BRAIN Initiative: New Concepts and Early - Stage Research for Large - Scale Recording and Modulation in the Nervous System (R21)

Description: A central goal of the BRAIN Initiative is to understand how electrical and chemical signals code information in neural circuits and give rise to sensations, thoughts, emotions and actions. While currently available

technologies can provide some understanding, they may not be sufficient to accomplish this goal. For example, non-invasive technologies are low resolution and/or provide indirect measures such as blood flow, which are imprecise; invasive technologies can provide information at the level of single neurons producing the fundamental biophysical signals, but they can only be applied to tens or hundreds of neurons, out of a total number in the human brain estimated at 85 billion.

Due Date: 10/26/2017

Funding: \$5,000,000

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295602>

Agency: HHS-NIH11
National Institutes of Health

Program: Increasing Use of Cardiac and Pulmonary Rehabilitation in Traditional and Community Settings (R61/R33)

Description: The purpose of this initiative is to support Phase 2 clinical trials to develop and test strategies to increase the utilization of cardiovascular rehabilitation (CR) and pulmonary rehabilitation (PR) in eligible patients. The objectives are to test novel promising approaches to increase use of CR and PR overall, to reduce disparities in their utilization, and to document improvement in key clinical and patient-centered outcomes from CR and PR performed in either traditional or non-traditional settings. Investigators with expertise in the areas of CR, PR, and implementation science should consider applying for this Funding Opportunity Announcement (FOA). Collaborative investigations combining expertise in telehealth, internet-based interventions, behavioral modification, and other novel techniques for health-related interventions are encouraged.

Due Date: 10/19/2017

Funding: \$3,750,000

Awards: 5

Website: <https://www.grants.gov/view-opportunity.html?oppld=295452>

Agency: HHS-NIH11
National Institutes of Health

Program: Ethical, Legal, and Social Implications (ELSI) of Genomics Research Project Grant Program (R01)

Description: This Funding Opportunity Announcement (FOA) invites Research Project Grant (R01) applications that propose to study the ethical, legal and social implications (ELSI) of human genome research. Applications may propose studies using either single or mixed methods. Proposed approaches may include but are not limited to data-generating qualitative and quantitative approaches, legal, economic and normative analyses, and other types of analytical and conceptual research methodologies, such as those involving the direct engagement of stakeholders.

Due Date: 9/7/2020

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295339>

Agency: HHS-NIH11
National Institutes of Health

Program: Senator Paul D. Wellstone Muscular Dystrophy Specialized Research Centers (MRSRCs) (P50)

Description: The purpose of this Funding Opportunity Announcement is to publicize a competition for Senator Paul D. Wellstone Muscular Dystrophy Specialized Research Centers (MDSRCs). These Centers promote collaborative basic, translational and clinical research and provide important resources that can be used by the national muscular dystrophy research communities. The Centers also provide an outstanding environment for the training of new scientists electing to pursue careers conducting research in high priority areas of muscular dystrophy. Center investigators are expected to participate in important community outreach efforts to increase awareness and convey the importance and implications of their research activities to the patient and advocacy communities.

Due Date: 10/19/2017

Funding: \$4,500,000

Awards: 3

Website: <https://www.grants.gov/view-opportunity.html?oppld=295137>

Agency: NSF
National Science Foundation

Program: Robert Noyce Teacher Scholarship Program

Description: The Robert Noyce Teacher Scholarship Program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 mathematics and science (including engineering and computer science) teachers. The program invites creative

and innovative proposals that address the critical need for recruiting and preparing highly effective elementary and secondary science and mathematics teachers in high-need local educational agencies. The program offers four tracks: Track 1: The Robert Noyce Teacher Scholarships and Stipends Track, Track 2: The NSF Teaching Fellowships Track, Track 3: The NSF Master Teaching Fellowships Track, and Track 4: Noyce Research Track. In addition, Capacity Building proposals are accepted from proposers intending to develop a future Track 1, 2, or 3 proposal.

Due Date: 8/29/2017

Funding: See Announcement

Website:

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5733&WT.mc_id=USNSF_39&WT.mc_ev=click

Agency: NSF
National Science Foundation

Program: Paleo Perspectives on Climate Change

Description: The goal of research funded under the interdisciplinary P2C2 solicitation is to utilize key geological, chemical, atmospheric (gas in ice cores), and biological records of climate system variability to provide insights into the mechanisms and rate of change that characterized Earth's past climate variability, the sensitivity of Earth's climate system to changes in forcing, and the response of key components of the Earth system to these changes. Important scientific objectives of P2C2 are to: 1) provide comprehensive paleoclimate data sets that can serve as model test data sets analogous to instrumental observations; and 2) enable transformative syntheses of paleoclimate data and modeling outcomes to understand the response of the longer-term and higher magnitude variability of the climate system that is observed in the geological and cryospheric records.

Due Date: 10/20/2017

Funding: \$11,000,000

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295736>

Agency: NSF
National Science Foundation

Program: Marine Geology and Geophysics

Description: The Marine Geology and Geophysics Core Program supports research on all aspects of the geology and geophysics of the present ocean basins

and margins, as well as those of the Great Lakes. The Program supports science that includes: Structure, composition, tectonics, and evolution of the oceanic lithosphere. Paleooceanography, paleoclimate, and sea level change Submarine volcanology, petrology and geochemistry of the oceanic crust and upper mantle, Marine hydrogeology, seeps and gas hydrates, water-rock interaction, and hydrothermal vent and fluid formation and geochemistry, Geochemical indicators of life operating below the seafloor Marine sedimentology and coastal processes, stratigraphy, sediment transport, and diagenesis, Mid-ocean ridge spreading, back-arc rifting, transform processes, and ocean island/seamount formation and evolution, Submarine components of subduction zone systems and passive margins, Marine geohazards (e.g., earthquakes, faulting, mass wasting, geological aspects of tsunamis). The Marine Geology and Geophysics Program is interested in supporting new ideas and cutting-edge research. It supports field, analytical, and laboratory experimental projects; methods development; modeling; and the re-analysis and/or synthesis of existing data. The Program interfaces with NSF programs across the geosciences and across the Agency. For proposals that cross between Programs, proposers should contact the relevant Programs to seek guidance on submission.

Due Date: See Announcement

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295449>

Agency: NSF
National Science Foundation

Program: Advancing Informal STEM Learning

Description: See Announcement

Due Date: 11/6/2017

Funding: \$44,000,000

Awards: 85

Website: <https://www.grants.gov/view-opportunity.html?oppld=295308>

Agency: NSF
National Science Foundation

Program: Political Science Program

Description: The Political Science Program supports scientific research that advances knowledge and understanding of citizenship, government, and politics.

Research proposals are expected to be theoretically motivated, conceptually precise, methodologically rigorous, and empirically oriented. Substantive areas include, but are not limited to, American government and politics, comparative government and politics, international relations, political behavior, political economy, and political institutions. In recent years, program awards have supported research projects on bargaining processes; campaigns and elections, electoral choice, and electoral systems; citizen support in emerging and established democracies; democratization, political change, and regime transitions; domestic and international conflict; international political economy; party activism; political psychology and political tolerance. The Program also has supported research experiences for undergraduate students and infrastructural activities, including methodological innovations, in the discipline.

Due Date: 8/15/2017

Funding: See Announcement

Awards: See Announcement

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5418&WT.mc_id=USNSF_39&WT.mc_ev=click

Agency: NSF
National Science Foundation

Program: Cognitive Neuroscience

Description: The Cognitive Neuroscience Program seeks highly innovative proposals aimed at advancing a rigorous understanding of the neural mechanisms of human cognition. Central research topics for consideration by the program include attention, learning, memory, decision-making, language, social cognition, and emotions. Proposals with animal models are appropriate only if they include a comparative element with human subjects. Proposals focused on behavioral, clinical or molecular mechanisms will not be considered for this program. Additionally, proposals directed at understanding low-level sensorimotor processes or restricted to model-based simulations of neural data will not be considered, unless they are embedded in a cognitive question related to one of the central research topics listed above.

Due Date: 8/14/2017

Funding: See Announcement

Awards: See Announcement

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5316&WT.mc_id=USNSF_39&WT.mc_ev=click

Agency: NSF
National Science Foundation

Program: Collections in Support of Biological Research

Description: The Collections in Support of Biological Research (CSBR) Program provides funds: 1) for improvements to secure and organize collections that are significant to the NSF BIO-funded research community; 2) to secure collections-related data for sustained, accurate, and efficient accessibility to the biological research community; and 3) to transfer ownership of collections. The CSBR program provides for enhancements that secure and improve existing collections, improves the accessibility of digitized specimen-related data, and develop better methods for specimen curation and collection management. Requests should demonstrate a clear and urgent need to secure the collection, and the proposed activities should address that need. Biological collections supported include established living stock/culture collections, vouchered non-living natural history collections, and jointly-curated ancillary collections such as preserved tissues and DNA libraries.

Due Date: 8/14/2017

Funding: See Announcement

Awards: See Announcement

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503651&WT.mc_id=USNSF_39&WT.mc_ev=click

Agency: NSF
National Science Foundation

Program: Innovations in Graduate Education (IGE) Program

Description: The Innovations in Graduate Education (IGE) program is designed to encourage the development and implementation of bold, new, and potentially transformative approaches to STEM graduate education training. The program seeks proposals that explore ways for graduate students in research-based master's and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers.

IGE focuses on projects aimed at piloting, testing, and validating innovative and potentially transformative approaches to graduate education. IGE projects are intended to generate the knowledge required for their customization, implementation, and broader adoption. The program supports testing of novel models or activities with high potential to enrich and extend the knowledge base on effective graduate education approaches.

The program addresses both workforce development, emphasizing broad participation, and institutional capacity building needs in graduate education. Strategic collaborations with the private sector, non-governmental organizations (NGOs), government agencies, national laboratories, field stations, teaching and learning centers, informal science centers, and academic partners are encouraged.

Due Date: 10/25/2017

Funding: \$4,000,000

Awards: 6 -10

Website:

https://www.nsf.gov/pubs/2017/nsf17585/nsf17585.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

Agency: NSF
National Science Foundation

Program: Biological Oceanography

Description: The Biological Oceanography Program supports research in marine ecology broadly defined: relationships among aquatic organisms and their interactions with the environments of the oceans or Great Lakes. Projects submitted to the program for consideration are often interdisciplinary efforts that may include participation by other OCE Programs.

Due Date: 8/15/2017

Funding: See Announcement

Awards: See Announcement

Website:https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11696&WT.mc_id=USNSF_39&WT.mc_ev=click

Agency: NSF
National Science Foundation

Program: Chemical Oceanography

Description: The Chemical Oceanography Program supports research into the chemical components, reaction mechanisms, and geochemical pathways within the ocean and at its interfaces with the solid earth and the atmosphere. Major emphases include: studies of material inputs to and outputs from marine waters; orthochemical and biological production and transformation of chemical compounds and phases within the marine system; and the determination of reaction rates and study of equilibria. The Program encourages research into the chemistry, distribution, and fate of inorganic and organic substances introduced into or produced

within marine environments including those from estuarine waters to the deep sea

Due Date: 8/15/2017

Funding: See Announcement

Awards: See Announcement

Website:https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11698&WT.mc_id=USNSF_39&WT.mc_ev=click

Agency: NSF
National Science Foundation

Program: Physical Oceanography

Description: The Physical Oceanography Program supports research on a wide range of topics associated with the structure and movement of the ocean, with the way in which it transports various quantities, with the way the ocean's physical structure interacts with the biological and chemical processes within it, and with interactions between the ocean and the atmosphere, solid earth and ice that surround it.

Due Date: 8/15/2017

Funding: See Announcement

Awards: See Announcement

Website:https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12729&WT.mc_id=USNSF_39&WT.mc_ev=click

Agency: NSF
National Science Foundation

Program: Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)

Description: NSF INCLUDES is a multi-year program with three essential components currently under development: NSF INCLUDES Design and Development Launch Pilots: Two-year pilot projects that explore the feasibility of bold, innovative ways for solving a broadening participation challenge in STEM. Successful pilots will deliver models or prototypes, which incorporate data and measurement infrastructures, supporting collective efforts aimed at increasing the active participation of those who have been traditionally underserved and underrepresented in all STEM fields. NSF INCLUDES Alliances: NSF INCLUDES Alliances will leverage existing Design and Development Launch Pilots, programs, people, organizations,

technologies, and institutions to catalyze NSF's broadening participation investments, with each Alliance committed to collectively solving a specific set of objectives. NSF INCLUDES Backbone Organization: The Backbone Organization will drive the following activities for all NSF INCLUDES Alliances over the lifecycle of the initiative: (a) providing a guiding vision and strategy; (b) developing a collaborative infrastructure to align NSF INCLUDES activities; (c) establishing shared models, measurement practices, and evaluation criteria; (d) building public will; (e) advancing policy; and (f) mobilizing funding.

Due Date: 11/13/2017

Funding: See Announcement

Awards: See Announcement

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505289

Agency: PAMS-SC
Office of Science

Program: Collaborative Research on International and Domestic Spherical Tokamaks

Description: The major investments made to upgrade the MAST-U and NSTX-U facilities were strongly motivated by an important observation identified in both machines, which showed that energy confinement in spherical tokamaks may scale more favorable than for conventional aspect ratio tokamaks as collisionality is reduced. If the present empirical scalings hold, then STs may provide a much more compact design path to future fusion reactors than conventional tokamaks. At present, the interplay between collisionality, turbulent transport, wall conditioning (e.g., lithium coatings, boronization) and/or density control at low aspect ratio represents the forefront of ST research. The complementary capabilities of the MAST-U and LTX-? facilities allow for this interplay to be explored. Late in the three year period of these proposals FY 2018 – FY2020 the MAST-U facility is slated to utilize strong cryopumping capabilities in its world class advanced divertor to control plasma density and hence collisionality. Alternatively, the neutral beam heated and fueled LTX-? will control density using lithium wall coatings, which dramatically reduces the flux of cold neutral atoms that are recycled back into the plasma after their initial expulsion. In addition to plasma performance, the compact geometry of MAST-U and its future enhanced auxiliary heating power will result in exhaust power reaching plasma facing components that is in excess of that expected in ITER. This coupled with MAST-U's unprecedentedly flexible divertor geometry, makes it a world leading facility for the study of power exhaust and plasma material interactions.

Due Date: 9/1/2017

Funding: See Announcement

Awards: 10

Website: <https://www.grants.gov/view-opportunity.html?oppld=295182>

Agency: PAMS-SC
Office of Science

Program: FY 2018 Research Opportunities in High Energy Physics

Description: The High Energy Physics (HEP) program at the U.S. Department of Energy, Office of Science, hereby invites new and renewal grant applications for support of research programs in High Energy Physics.

Due Date: 9/12/2017

Funding: \$48,000,000

Awards: 120

Website: <https://www.grants.gov/view-opportunity.html?oppld=295093>

Agency: DOS-PMWRA
PM Weapons Removal and Abatement

Program: 17.PMWRA.Honduras.SALW.NOFO

Description: The U.S. Department of State, Bureau of Political-Military Affairs, Office of Weapons Removal and Abatement (PM/WRA) is pleased to invite eligible organizations to submit grant applications for small arms and light weapons threat reduction project in Honduras during fiscal year 2017. The scope of work may include but is not limited to: SALW destruction, physical security upgrades, stockpile management training, and disposal training. Specific goals, objectives, and technical requirements for application packages are detailed below. PM/WRA anticipates awarding up to \$300,000 under this grant opportunity.

Due Date: 9/1/2017

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295390>

Agency: USDOT-GCR
U.S. Dept. of Treasury RESTORE Act Program

Program: RESTORE Act Centers of Excellence Research Grants Program

Description: Under the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf Coast States Act of 2012 (RESTORE Act), Subtitle F of P.L. 112-141, the Gulf Coast Restoration Trust Fund was established in the Treasury of the United States. Eighty percent of the civil penalties paid after July 6, 2012, under the Federal Water Pollution Control Act in connection with the Deepwater Horizon oil spill will be deposited into the Trust Fund and invested. The RESTORE Act created five components through which funds will be disbursed. Treasury is publishing multiple funding opportunity notices as part of the RESTORE Act. This announcement applies only to the Centers of Excellence Research Grants Program. Trust Fund amounts are available to establish one or more Centers of Excellence through competitive subawards to nongovernmental entities, including institutions of higher education. Funds may be used by those Centers of Excellence to conduct research only on the Gulf Coast region in one or more of the following disciplines: 1. Coastal and deltaic sustainability, restoration and protection, including solutions and technology that allow citizens to live in a safe and sustainable manner in a coastal delta in the Gulf Coast Region; 2. Coastal fisheries and wildlife ecosystem research and monitoring in the Gulf Coast Region; 3. Offshore energy development, including research and technology to improve the sustainable and safe development of energy resources in the Gulf of Mexico; 4. Sustainable and resilient growth, economic and commercial development in the Gulf Coast Region; and 5. Comprehensive observation, monitoring, and mapping of the Gulf of Mexico.

Due Date: 12/11/2017

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295620>

Agency: DOS-IND
U.S. Mission to India

Program: Arts for Social Change

Description: To design and implement a series of arts programs and events to address a variety of social issues. Refer to the NOFO.

Due Date: 8/4/2017

Funding: See Announcement

Awards: 1

Website: <https://www.grants.gov/view-opportunity.html?oppld=295126>

Agency: DOS-VNM
U.S. Mission to Vietnam

Program: Women's Empowerment Club

Description: The U.S. Consulate General in Ho Chi Minh City invites proposals for projects that focus on at least one of the priority women's empowerment programs and target audiences specified including Professional Skills, Science Technology Engineering Mathematics (STEM) and Business, Media & Arts, Civil Society, Women in Politics and Governance, and Underprivileged and Vulnerable Groups.

Due Date: 8/31/2017

Funding: See Announcement

Awards: See Announcement

Website: <https://www.grants.gov/view-opportunity.html?oppld=295448>