

THE STATE UNIVERSITY SYSTEM OF FLORIDA

WASHINGTON E-UPDATE

Prepared by Cavarocchi-Ruscio-Dennis Associates, Editor -- Brent Jaquet
Contributors -- Dom Ruscio, Tiffany Kaszuba, Annie Baron, Michaela Hollis, Michael Rinderman

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Budget and Appropriations Update – Last week, the House narrowly passed the Senate's budget resolution by a vote of 216-212, paving the way for the GOP's tax cut plan and, presumably, completion of the 12 spending bills necessary to keep the government operating.

Republican leaders are under heavy pressure to negotiate new spending levels with their Democratic counterparts so they can deliver on the large defense increase they want this year as well as avoid deep cuts in other programs. Absent a deal, lawmakers said it will be almost impossible to finish work on the 12 appropriations bills for fiscal year 2018 and avoid another continuing resolution when the current stopgap expires on December 8.

House Republicans are pushing for an increase in the Budget Control Act's (BCA) defense cap to permit \$70 billion or more in extra Pentagon spending. But Democrats still want "parity" so that non-defense spending gets a similar boost.

Negotiations to raise the spending caps for both defense and nondefense discretionary (NDD) are said to be underway, with House and Senate leaders hoping to conclude those negotiations before Thanksgiving to avoid another government funding crisis in December.

Unless a deal is reached, BCA spending caps currently in place would require cuts to discretionary spending of \$5 billion. At the center of the talks is whether or not to increase nondefense spending at the same rate as defense spending. While Democrats want parity, a unified Republican government may not want to continue the dollar-for-dollar increases outlined in past budget deals, or GOP leaders and the Trump administration may insist on offsetting cuts to entitlement programs in exchange for increased discretionary dollars.

Since it takes about four to six weeks to craft omnibus appropriations legislation, lawmakers hope to reach an agreement within the next two weeks. (There are only about 25 work days remaining until the continuing resolution expires on December 8, and 30 days until Congress plans to adjourn on December 15.)

The key issues that must be resolved for Congress to reach a final agreement on the fiscal 2018 budget include:

- *Affordable Care Act Cost-Sharing Payments:* President Donald Trump has cut off cost-sharing subsidies that help lower the cost of coverage on the exchanges, while a bipartisan Senate effort is underway to restore the payments for two years. The president has gone back and forth on the issue, but seems to want to pair any restoration of subsidies with repeal of portions of Obamacare. The fight could easily migrate to year-end spending bill talks, posing yet another policy hurdle to an appropriations deal.
- *Border Wall:* Determining what to do about the president's campaign promise that his administration would build a wall has put congressional Republicans in a bind. The House Appropriations Committee has proposed \$1.57 billion for construction on three sections of the border totaling 70 miles, in line with the Trump request. Democrats have said they will not support any spending bill that includes funding for new construction and Trump has said that he will not sign a spending bill that fails to include funding to begin the construction.
- *'Dreamers'/DACA:* Determining the future of about 800,000 young people who were brought to this country illegally as children is also on Congress' short list. While a legislative solution for the Deferred Action for Childhood Arrivals program could move independently before the omnibus bill, the amount of time left is shrinking and it appears increasingly likely that the fate of the "Dreamers" may be part of a year-end spending bill.

Clearly, what transpires over the next few weeks will determine if and when appropriations will be enacted for fiscal year 2018.

House appropriations hearing examines NIH F&A

A strong defense of the current F&A system for NIH research grants as well as all federal research was presented October 24 at a hearing on the topic by the House Labor-HHS-Education appropriations subcommittee, titled: "The Role of Facilities and Administrative Costs in Supporting NIH-Funded Research."

The panel of medical school deans and research VPs detailed the history of the partnership between the federal government and universities that has resulted in the F&A process. Most of the Members from both sides were opposed to the Administration's proposal to cap F&A rates, including the Chairman Tom Cole (R-OK) and Ranking Member Rosa DeLauro (D-CT.)

Rep. Cole stated in closing that he wanted to make sure that "...we don't throw out the baby with the bath water, looking for savings and disrupting what's really a pretty complex, now 70-year-old ecosystem that has produced extraordinary benefits for the American people."

The lone subcommittee supporter of the proposed 10 percent cap, Rep. Andy Harris (R-MD) said that nonprofit and philanthropic organizations pay far less than NIH for indirect costs, that grantees with multiple grants don't need the extra F&A or subsequent grants and that institutions consider the payments "gravy" to help cover costs of new buildings, points that were refuted by members of the panel. Harris said he believes savings from F&A reform should be directed to helping support young investigators.

The panel did agree that more should be done to reduce administrative burdens for researchers and institutions and that increased regulatory compliance has added to the workload for researchers and helps to drive up costs.

Panelist Kelvin K. Droegemeier, VP of Research at the University of Oklahoma, submitted a detailed history of the evolution of the F&A process which is [available here](#). To view the hearing webcast or read all of the prepared testimony [click here](#).

Second hurricane relief bill approved by Congress

Congress gave final approval to a second disaster supplemental spending bill October 24 when the Senate passed a \$36.5 billion package of relief for dealing with recent hurricanes and fires in Northern California.

The bill cancels \$16 billion in debt for the National Flood Insurance Program and frees up a cushion in its borrowing limit. FEMA receives \$18.7 billion for disaster response while \$1.2 billion is included for nutrition assistance for low-income residents in Puerto Rico following Hurricane Maria.

Florida Senators Bill Nelson and Marco Rubio have been pushing for additional funding for the Florida citrus industry. Nelson attempted to amend the spending bill to add \$3 billion to assist farmers but the move was blocked by Majority Leader Mitch McConnell. Nelson also complained about delays Floridians were experiencing in applying for assistance and in processing FEMA claims.

Most of the Florida Congressional delegation joined in a letter to appropriators October 6 seeking an additional \$26.9 billion for a variety of needs in Florida following Hurricane Irma. The letter included a request for \$2 billion for education interests such as local educational agencies and institutions of higher education.

Texas lawmakers are also seeking additional relief following Hurricane Harvey. Working together, the delegations believe they have a commitment from the White House to support a third disaster supplemental in November. An earlier bill in September provide an initial \$15.7 billion towards dealing with the aftermath of the hurricanes.

DACA talks progressing in the Senate

Since President Trump announced September 5 that he would end the current DACA program early next year, several Senators have been working to craft a bipartisan bill to continue the program. An estimated 800,000 undocumented youth are protected from deportation under the program, with about 350,000 DACA recipients enrolled in college.

Senators Richard Durbin (D-IL) and Lindsey Graham (R-SC) have been leading the negotiations on a new version of the DREAM Act that can pass the Senate. "I want to grab the first train leaving the station. ... I hope it's before the omnibus bill," Durbin said October 25 in discussing how the bill might be attached to other legislation to help assure its passage. Durbin said that the work with Senator Graham is being conducted without Trump administration input. "We're kind of at the congressional level right now, the senatorial level. At some point we want to reach out to the White House," Durbin said.

On October 8, the Administration released a [letter](#) to House and Senate leaders which included proposed principles for reforming immigration policy in the United States. The letter broadened his requirements for supporting DACA to having it included as part of full immigration reform. The President said that a review of all immigration policies was conducted to determine a reform that will be most effective for America's economic and national security.

The NAACP released a [statement](#) in response to the Trump Administration's proposed immigration principals on October 9. The interim NAACP president and CEO said, "We have filed a lawsuit against the Trump Administration in defense of DREAMERS and on behalf of thousands of hard-working individuals negatively impacted by the ending of DACA."

Alleging a violation against the Regulatory Flexibility Act and the Administrative Procedure Act, the American Federation of Teachers and the United Food and Commercial Workers joined the NAACP's [lawsuit](#) against the Administration on October 23.

The Center for American Progress (CAP) and the University of Southern California's Center for the Study of Immigrant Integration (CSII) argue that removing DACA workers will do more harm than good. Using previous CAP calculations, the CSII created an [Interactive Map](#) to view the estimated financial contributions to GDP from DACA workers by state. According to the CSII, removing DACA workers would result in a \$588 million annual GDP loss, approximately.

Autonomous car bill approved by Senate committee

Legislation designed to help advance efforts to develop self-driving vehicles was approved by the Senate Commerce Committee October 4.

The Committee approved S. 1885, The American Vision for Safer Transportation through Advancement of Revolutionary Technologies (AV START) Act, which advances efforts to improve roadway safety through the deployment of self-driving vehicles. Passage of the legislation included new bipartisan Senate language to establish a balance between federal and state laws affecting self-driving vehicles offered as an amendment by Florida Senator Bill Nelson who is ranking member of the committee.

Many amendments had been proposed for the markup, dealing with cybersecurity, coverage for trucks and “manual-overdrive” requirements, but most were eventually withdrawn.

The bill provides definitions of various classes of autonomous vehicles, addresses testing standards, levels of driving automation, inoperative controls, and cybersecurity. To read a section-by-section summary, [click here](#). To read the bill, [click here](#).

Senator Paul introduces bill to revamp federal grant review

Senator Rand Paul (R-KY) introduced a bill this month that would significantly change the peer review and public access systems for federally-supported research. In sponsoring the legislation, Sen. Paul also held a hearing October 18 to discuss his approach and rationale. The hearing, “Broken Beakers: Federal Support for Research” can be viewed [here](#).

Senator Paul complained about “silly” studies being funded by the government and believes strengthening peer review would help remedy the situation. His bill calls for “taxpayer advocates” to sit on review panels as well as experts from fields unrelated to the topic under consideration.

Grant applicants would be prohibited from recommending reviewers and the bill would prevent agencies from releasing the names of peer reviewers to applicants.

His bill incorporates most of the provisions of the “Fair Access to Science and Technology Research Act” which was introduced earlier this year by Senator John Cornyn (R-TX) codifying open access provisions. However, Senator Paul’s bill would also require agencies to make public all grant applications and subgrants made based on an award. The bill would rename the NSF Inspector General’s office as the Office of the Special Inspector General and Taxpayer Advocate for Research.

New NCI director appointed

NIH announced October 17 that Norman E. “Ned” Sharpless, M.D. has been appointed director of the National Cancer Institute, the Institute with the largest extramural funding budget at the biomedical research agency. He succeeds Harold E. Varmus, who stepped down as director in March 2015. Douglas R. Lowy, had been NCI’s acting director since April 2015.

Sharpless joins NCI from the University of North Carolina School of Medicine, Chapel Hill, where he served as director of the NCI-Designated Lineberger Comprehensive Cancer Center and as the Wellcome Distinguished Professor in Cancer Research. As a practicing oncologist at the N.C. Cancer Hospital, he specialized in the care of patients with hematologic cancers. He is the author of more than 150 original scientific papers, reviews, and book chapters, and is an inventor on 10 patents. His research has focused on the molecular biology of cancer and aging.

After earning his undergraduate and medical degrees from the University of North Carolina at Chapel Hill, Sharpless completed his internal medicine residency at the Massachusetts General Hospital and a hematology/oncology fellowship at Dana-Farber/Partners Cancer Care, both of Harvard Medical School in Boston. He is a member of the American Society for Clinical Investigation and the Association of American Physicians. He cofounded two clinical-stage biotechnology companies: G1 Therapeutics and HealthSpan Diagnostics.

Lowy will resume his role as a deputy director at NCI, and will continue his work as chief of the Laboratory of Cellular Oncology in NCI's Center for Cancer Research.

NSF merit review report released

Every year, nearly 50,000 research proposals are submitted to the National Science Foundation. NSF's National Science Board sets the agency's merit review criteria and ensures that practices are transparent and align with NSF objectives. The Board has now published its FY 2016 [report](#) on NSF's Merit Review Process.

Among the report's findings:

- Of the 49,000 competitively reviewed proposals acted on by NSF in fiscal year 2016, 41,000 were research proposals. NSF made nearly 8,800 research awards in fiscal year 2016, mostly to academic institutions. This corresponds to a 21 percent success rate for research proposals.
- Competition is fierce; NSF received approximately 49,000 competitive proposals, requesting \$29 billion. While NSF was able to fund just over \$6 billion in new projects, almost \$4 billion of fundable proposals that reviewers rated Very Good or higher (4/5 on a 5-point scale), had to be declined for lack of resources.
- Though still low, the proportion of research awards going to Historically Black Colleges and Universities, Hispanic Serving Institutions, and Tribal Colleges and Universities increased from 2.4 percent in FY 2010 to 7.3 percent in FY 2016.
- The proportion of female principal investigators submitting proposals remains relatively low; approximately 1 in 4 proposals come from women. This is roughly similar to [estimates](#) of the representation of women in STEM faculty in research-intensive universities by the Association of American Universities. The rates at which proposals from men and women are selected for funding are comparable.

- Half of new research projects have a single principal investigator and half are collaborations among multiple investigators.
- Last year over 34,000 scientists, engineers, and educators reviewed grant proposals for NSF.

DoD technology chief nominated

Former NASA administrator Mike Griffin is being nominated by the White House to serve as principal deputy undersecretary of defense for acquisition, technology, and logistics in the Defense Department – the person in charge of developing new technologies.

Once the Defense Department creates the new position of undersecretary of defense for research and engineering (R&E) in February, Griffin would move into that role. Griffin is an aerospace engineer and previously served as NASA Administrator for President George W. Bush from 2005 to 2009.

Defense Innovation Board makes recommendations

The new Defense Innovation Board, created last year and chaired by Alphabet Inc. executive director Eric Schmidt, met October 25 and continued its push for creation of a new STEM career field for members of the armed services.

The panel has held five meetings and issued 16 recommendations to the Defense Department relating to science and technology. To read more, [click here](#).

Outdated Education Department guidance documents repealed

The Education Department announced a report October 27 outlining almost 600 items of regulatory guidance primarily for K-12 education that it rescinded as out-of-date.

The items were identified by a task force organized by the Secretary of Education. "Each item [withdrawn] has been either superseded by current law or is no longer in effect," the department said. Many of the eliminated items relate to guidance issued under the previous version of No Child Left Behind. To review the list, [click here](#).

Highlights of competitive grant opportunities at federal agencies

Agency: DOD
Dept. of the Army -- USAMRAA

Program: DoD Lupus, Impact Award

Description: The LRP Impact Award encourages applications that support the full spectrum of research projects or ideas that specifically focus on scientific and clinical lupus issues, which, if successfully addressed, have the potential to make a major impact in lupus research.

Due Date: 1/4/2018

Funding: \$525,000 per award

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298023>

Contact: help@eBRAP.org

Agency: DOD
Dept. of the Army -- USAMRAA

Program: DoD Lupus, Concept Award

Description: The LRP Concept Award supports the exploration of highly innovative new concepts or untested theories that address important problems relevant to lupus. This award mechanism supports high-risk studies that have the potential to reveal new avenues for investigation.

Due Date: 1/4/2018

Funding: \$150,000 per award

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298036>

Contact: help@eBRAP.org

Agency: DOD
Dept. of the Army -- USAMRAA

Program: DoD Kidney Cancer, Concept Award

Description: The Concept Award is not intended to support an incremental progression of an already established research project but, instead, allows Principal Investigators the opportunity to pursue serendipitous observations.

Due Date: 1/4/2018

Funding: \$75,000 per award

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298121>

Contact: help@eBRAP.org

Agency: DOD
Dept. of the Army -- USAMRAA

Program: DoD Kidney Cancer, Consortium Development Award

Description: The goal of the Consortium Development Award is the establishment of the consortium infrastructure for future multi-institutional clinical trials.

Due Date: 1/4/2018

Funding: \$1,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=29812>

Contact: help@eBRAP.org

Agency: DOD
Dept. of the Army -- USAMRAA

Program: DoD Kidney Cancer, Translational Research Partnership Award

Description: This award supports the development of translational research collaborations between two independent, faculty level (or equivalent) investigators to address a central problem or question in kidney cancer in a manner that would be less readily achievable through separate efforts. The ultimate goal of translational research is to move a concept or observation forward into clinical application that is relevant to active duty Service members, Veterans, other military beneficiaries, and the American public.

Due Date: 1/4/2018

Funding: \$600,000 per award

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298122>

Contact: help@eBRAP.org

Agency: DOD
Dept. of the Army -- USAMRAA

Program: DoD Kidney Cancer, Idea Development Award

Description: The FY17 KCRP Idea Development Award is intended to support innovative ideas and high-impact approaches based on scientifically sound evidence to move toward the KCRP vision of eliminating kidney cancer.

Due Date: 1/4/2018

Funding: \$400,000 per award

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298143>

Contact: help@eBRAP.org

Agency: DOD
ACC-APG-Detrick

Program: Armed Forces Pest Management Board Broad Agency Announcement FY 18

Description: Pest Management and Vector Control Research

Due Date: 10/30/2020

Award: \$300,000 per award

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298235>

Contact: richard.w.totten2.civ@mail.mil

Agency: DOE
National Energy Technology Laboratory

Program: Energy Efficiency Research and Development for Fluid-Power Systems In Off-Road Vehicles

Description: The objective of this FOA is to research technologies that can improve the energy efficiency of fluid power systems for commercial off-road vehicles .

Due Date: 1/18/2018

Funding: \$3,000,000

Award: \$1,500,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298005>

Contact: anne.cary@netl.doe.gov

Agency: DOE
National Energy Technology Laboratory

Program: FY2017 Vehicle Technologies Office Batteries and Electrification to Enable Extreme Fast Charging Funding Opportunity Announcement

Description: This Announcement supports Department of Energy's strategic goal of protecting the U.S. national and economic security by reducing imports and promoting a diverse supply of reliable, affordable, and environmentally sound energy.

Due Date: 1/18/2018
Funding: \$15,000,000
Award: \$5,000,000
Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298059>
Contact: Ashley.Reichl@NETL.DOE.GOV

Agency: DOE
Advanced Research Projects Agency Energy

Program: MEITNER FOA

Description: The MEITNER (Modeling-Enhanced Innovations Trailblazing Nuclear Energy Reinvigoration) program, ARPA-E seeks to identify and develop innovative technologies to enable the advanced nuclear reactor design community to mature their designs for future commercial deployment.

Due Date: 12/4/2017
Funding: \$20,000,000
Award: \$5,000,000
Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298044>
Contact: ARPA-E-CO@hq.doe.gov

Agency: DOI
Fish and Wildlife Service

Program: Partners for Fish and Wildlife

Description: The Partners for Fish and Wildlife Program is a voluntary, incentive-based program that provides direct technical assistance and financial assistance in the form of cooperative agreements to private landowners to restore and conserve fish and wildlife habitat for the benefit of federal trust resources.

Due Date: 9/30/2018
Funding: \$52,000,000
Award: \$750,000
Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298219>
Contact: patrick_schulze@fws.gov

Agency: DOI
Fish and Wildlife Service

Program: Cooperative Ecosystem Studies Unit (CESU)

Description: The CESU network provides research, technical assistance, and education to federal land management, environmental, and research agencies and their partners. The partners serve the biological, physical, social, cultural, and engineering disciplines needed to address natural and cultural resource management issues at multiple scales and in an ecosystem context.

Due Date: 11/26/2017

Award: \$100,000 ceiling

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298148>

Contact: Christine_Guimond@fws.gov

Agency: DOI
Fish and Wildlife Service

Program: Cooperative Ecosystem Studies Unit (CESU)

Description: The CESU network provides research, technical assistance, and education to federal land management, environmental, and research agencies and their partners.

Due Date: 11/26/2017

Award: \$100,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298127>

Contact: Christine_Guimond@fws.gov

Agency: DOI
Fish and Wildlife Service

Program: National Outreach and Communication Program

Description: The U.S. Fish and Wildlife Service is seeking proposals from applicants to implement the National Outreach and Communication Program for sportfishing and boating.

Due Date: 11/23/2017

Award: \$59,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298111>

Contact: brian_bohnsack@fws.gov

Agency: DOS
Bureau of International Narcotics-Law Enforcement

Program: Gang Resistance Education And Training (G.R.E.A.T.) Program Training and Technical Assistance Support through Central America

Description: The purpose of this grant is to continue to provide G.R.E.A.T. Instructor Certifications to Central American Officers plus overall management and coordination of the Program.

Due Date: 12/27/2017

Funding: \$4,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298141>

Contact: sanchezLM@state.gov ; PriceCH@state.gov

Agency: DOS
Bureau Of Educational and Cultural Affairs

Program: FY 2018 Study of the U.S. Institutes for Student Leaders on Women's Leadership

Description: The Study of the U. S. Branch invites proposal submissions accredited U.S. post-secondary education institutions and U.S. public and private academic non-profit organizations for the design and implementation of the Study of the U.S.

Due Date: 12/22/2017

Award: \$3,900,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298153>

Contact: support@grants.gov

Agency: HHS
NIH

Program: Research Grants Using the Resources from the Osteoarthritis Initiative (OAI) (R01)

Description: This Announcement encourages applications for research awards that are focused on the use of the Osteoarthritis Initiative database, clinical data

and images. This FOA seeks to expand the use of these resources by investigators in the broader research community.

Due Date: 5/7/2021

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298146>

Contact: Steve.Austin@nih.gov

Agency: HHS
NIH

Program: Clinic Testing Therapeutic/Indication Pairing Strategies (U01 Clinical Trial Required)

Description: This Announcement invites applications for support of clinical studies to repurpose existing drugs or biologics (therapeutics) that have already completed at least a Phase I trial for a different indication by the time an award is made.

Due Date: 11/5/2020

Award: \$3,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=29805>

Contact: support@grants.gov

Agency: HHS
NIH

Program: Outstanding New Environmental Scientist (ONES) Award (R01 Clinical Trial Optional)

Description: The Outstanding New Environmental Scientist Award is intended to identify the most talented Early Stage Investigators who intend to make a long-term commitment to research in the Environmental Health Sciences and assist them in launching an innovative research program focused on the understanding of environmental exposure effects on peoples health.

Due Date: 2/28/2020

Funding: \$3,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298119>

Contact: support@grants.gov

Agency: HHS
NIH

Program: Phase III Clinical Trials for the Spectrum of Alzheimer's Disease and Age-related Cognitive Decline (R01 Clinical Trial Required)

Description: This Announcement encourages R01 grant applications that propose to develop and implement Phase III clinical trials of promising pharmacological and non-pharmacological interventions in individuals with age-related cognitive decline and across the Alzheimer's disease spectrum from pre-symptomatic to more severe stages of disease.

Due Date: 9/7/2018

Funding: \$25,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298211>

Contact: support@grants.gov

Agency: HHS
National Institutes of Health

Program: Accelerating Colorectal Cancer Screening and follow-up through Implementation Science (ACCSIS): Coordinating Center (U24)

Description: The purpose of this FOA is to promote research in colorectal cancer screening, follow-up, and referral-to-care among target populations for whom screening rates are below national standards

Due Date: 1/18/2018

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298047>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
National Institutes of Health

Program: Accelerating Colorectal Cancer Screening and follow-up through Implementation Science (ACCSIS)(UG3/UH3)

Description: This purpose of this FOA is to promote research in colorectal cancer (CRC) screening, follow-up, and referral-to-care among target populations for whom screening rates are below national standards.

Due Date: 1/18/2018

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298046>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
National Institutes of Health

Program: Human Tumor Atlases (HTA) Precancer Atlas Research Centers (U2C)

Description: The purpose of this FOA is to promote research that results in a comprehensive view of the dynamic, multidimensional tumor ecosystem.

Due Date: 1/18/2018

Award: \$1,600,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298056>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
National Institutes of Health

Program: Human Tumor Atlas Network: Data Coordinating Center (U24)

Description: The purpose of this FOA is to promote research that results in a comprehensive view of the dynamic multidimensional tumor ecosystem

Due Date: 1/18/2018

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298060>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
National Institutes of Health

Program: Human Tumor Atlases (HTA) Research Centers (U2C)

Description: The purpose of this FOA is to promote research that results in a comprehensive view of the dynamic multidimensional tumor ecosystem.

Due Date: 1/18/2018

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298058>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
National Institutes of Health

Program: Coordinating Center for Improving Management of Symptoms Across Cancer Treatments (IMPACT) (U24)

Description: The purpose of this specific FOA is to promote research on the implementation and evaluation of comprehensive symptom management systems for use in cancer care delivery through a Research Consortium.

Due Date: 1/17/2018

Funding: See announcement

Award: \$375,000 award ceiling

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298021>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
National Institutes of Health

Program: Research Centers for Improving Management of Symptoms Across Cancer Treatments (IMPACT) (UM1)

Description: The purpose of this specific FOA is to promote research on the implementation and evaluation of integrated symptom monitoring and management systems for use in cancer care delivery through a Research Consortium.

Due Date: 1/17/2018

Funding: \$5,400,000

Award: \$1,120,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298020>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
National Institutes of Health

Program: Mechanisms of Cancer Drug Resistance and Sensitivity: Coordinating Center (U24)

Description: The purpose of this Funding Opportunity Announcement is to create a U24 Coordinating Center that will integrate and facilitate trans-disciplinary research across the Drug Resistance and Sensitivity Centers .

Due Date: 1/5/2018

Funding: See announcement

Award: \$350,000 ceiling

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298052>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
National Institutes of Health

Program: Prevention and Treatment through a Comprehensive Care Continuum for HIV-affected Adolescents in Resource Constrained Settings (PATC3H) (UG3/UH3)

Description: The purpose of this FOA is to stimulate much needed research in an important area of public health significance: prevention of new HIV infections among adolescents at risk, and the identification of, linkage to and retention in care of, and long term viral suppression among youth living with HIV in low-to-middle income countries.

Due Date: 12/22/2017

Funding: \$9,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298019>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
National Institutes of Health

Program: National Cancer Institute Program Project Applications (P01 Clinical Trial Optional)

Description: The proposed Program may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer prevention, cancer diagnosis, cancer treatment, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate.

Due Date: 1/7/2020

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298216>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
National Institutes of Health

Program: Center of Excellence for Research on Complementary and Integrative Health (P01 Clinical Trial Optional)

Description: This funding opportunity announcement encourages the submission of applications that requires multi-project, synergistic collaboration between outstanding scientists that blends multiple research approaches by multi-disciplinary research teams.

Due Date: 1/7/2020

Funding: \$36,000,000

Award: \$1,250,000 ceiling

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298214>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
NIH

Program: Enhancing Central Neural Control of Mobility in Aging (U01 Clinical Trial Optional)

Description: The overall goal of this funding announcement is to solicit applications to investigate the central neural control of mobility in older adults without overt neurological diseases using innovative and cutting-edge methods that are emerging in neuroscience, geriatrics and mobility-related fields in aging research communities.

Due Date: 2/21/2018

Funding: \$2,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298140>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: HHS
NIH

Program: Mentored Career Development Award to Promote Faculty Diversity in Biomedical Research (K01) - (Clinical Trials Not Allowed)

Description: This Funding Opportunity Announcement (FOA) invites applications to enhance the pool of highly trained investigators from diverse backgrounds underrepresented in research.

Due Date: 3/2/2018

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298147>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: NHS
NIH

Program: NIBIB Biomedical Technology Resource Centers (P41 Clinical Trials Optional)

Description: This Announcement (FOA) encourages grant applications for Biomedical Technology Resource Centers (BTRCs). BTRCs are national resource centers for conducting research and development on new technologies that are driven by the needs of basic, translational, and/or clinical researchers.

Due Date: 1/7/2020

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298213>

Contact: FBOWebmaster@OD.NIH.GOV

Agency: National Science Foundation

Program: Integrated Earth Systems

Description: The goal of the Integrated Earth Systems (IES) program is to investigate the interplay among the continental, terrestrial, and interior systems of the planet. The program provides an opportunity for collaborative, multidisciplinary research into the operation, dynamics, and complexity of Earth systems that encompass the core of the Earth through the surface.

Due Date: 11/14/2017

Funding: \$9,500,000

Award: \$,3000,000 ceiling

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=2873700>

Contact: lejohnso@nsf.gov

Agency: National Science Foundation

Program: Computational and Data-Enabled Science and Engineering

Description: The goal of the CDS&E program is to identify and capitalize on opportunities for major scientific and engineering breakthroughs through new computational and data analysis approaches. The intellectual drivers may be in an individual discipline or they may cut across more than one discipline in various Directorates.

Due Date: 12/11/2017

Funding: See announcement

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

Contact: jcallen@nsf.gov

Agency: National Science Foundation

Program: Ecology and Evolution of Infectious Diseases

Description: The Ecology and Evolution of Infectious Diseases program supports research on the ecological, evolutionary, and socio-ecological principles and processes that influence the transmission dynamics of infectious diseases. The intent is discovery of principles of infectious disease transmission and testing mathematical or computational models that elucidate infectious disease systems.

Due Date: 11/15/2017

Funding: \$13,500,000

Award: \$2,500,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=287690>

Contact: namla@nsf.gov

Agency: National Science Foundation

Program: Secure and Trustworthy Cyberspace

Description: The goals of the Secure and Trustworthy Cyberspace program are aligned with the Federal Cybersecurity Research and Development Strategic Plan

and the National Privacy Research Strategy to protect and preserve the growing social and economic benefits of cyber systems while ensuring security and privacy

Due Date: 12/13/2017

Funding: \$68,000,000

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

Contact: jwang@nsf.gov

Agency: National Science Foundation

Program: Mathematical Biology

Description: The Mathematical Biology Program supports research in areas of applied and computational mathematics with relevance to the biological sciences. Some projects of interest to the Mathematical Biology Program may include development of mathematical concepts and tools traditionally seen in other disciplinary programs within the Division of Mathematical Sciences, e.g., topology, probability, statistics, computational mathematics, etc.

Due Date: 11/15/2017

Funding: See announcement

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=288066>

Contact: jowens@nsf.gov

Agency: National Science Foundation

Program: Collaborative Research in Computational Neuroscience

Description: Computational neuroscience provides a theoretical foundation and a rich set of technical approaches for understanding complex neurobiological systems, building on the theory, methods, and findings of computer science, neuroscience, and numerous other disciplines. The goal is to support collaborative activities that will advance the understanding of nervous system structure and function, mechanisms underlying nervous system disorders, and computational strategies used by the nervous system.

Due Date: 1/5/2018

Funding: \$20,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=297871>

Contact: LSAMP_national@nsf.gov

Agency: National Science Foundation

Program: Towards a Leadership-Class Computing Facility - Phase 1

Description: NSF invites proposals for the acquisition and deployment of a High Performance Computing (HPC) system. The Phase 1 system will serve two important and complementary purposes: It will serve as a robust, well-balanced, and forward-looking computational asset for a broad range of research topics for which advances in fundamental understanding require the most extreme computational and data analysis capabilities; and It will serve as an evaluation platform for testing and demonstrating the feasibility of an upgrade to a leadership-class facility five years following deployment.

Due Date: 11/20/2017

Funding: \$60,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=293684>

Contact: edwalker@nsf.gov

Agency: National Science Foundation

Program: Mid-Scale Innovations Program

Description: This program will be formally divided into four subcategories: 1) limited term, self-contained science projects 2) longer term mid-scale facilities 3) development investments for future mid-scale and large-scale projects and 4) community open access capabilities. The MSIP will emphasize both strong scientific merit and a well-developed plan for student training and involvement of a diverse workforce in instrumentation, facility development, or data management.

Due Date: 4/6/2018

Funding: \$30,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=296745>

Contact: rbarvai@nsf.gov

Agency: National Science Foundation

Program: Division of Molecular and Cellular Biosciences: Investigator-Initiated Research Projects

Description: The Division of Molecular and Cellular Biosciences supports quantitative, mechanistic, predictive, and theory-driven fundamental research designed to promote understanding of complex living systems at the molecular, subcellular, and cellular levels. The priority of the Division is to support work that advances the field by capturing the predictive power of mechanistic, quantitative, and evolutionary approaches.

Due Date: 11/20/2017

Funding: \$83,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=296572>

Contact: mcb-cdf@nsf.gov

Agency: USAID
Agency for International Development

Program: Sri Lanka Social Cohesion and Reconciliation (SCORE) Activity

Description: The purpose of the SCORE activity is to strengthen Sri Lankan efforts to advance social cohesion and reconciliation

Due Date: 1/17/2018

Funding: \$10,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298159>

Contact: hkaluarachchi@usaid.gov

Agency: USDA
Utilities Programs

Program: Assistance to High Energy Cost Communities

Description: The grant funds may be used to acquire, construct, or improve energy generation, transmission, or distribution facilities serving communities where the average annual residential expenditure for home energy exceeds 275% of the national average.

Due Date: 12/11/2017

Funding: \$10,000,000

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=298063>

Contact: robin.meigel@wdc.usda.gov

