

THE STATE UNIVERSITY SYSTEM OF FLORIDA

WASHINGTON E-UPDATE

Prepared by Cavarocchi-Ruscio-Dennis Associates, Editor -- Brent Jaquet
Contributors -- Dom Ruscio, Erika Miller, Tiffany Kaszuba, Brandon McCain

November 2013

Defense department research directors address SUS personnel at First Annual C. W. Bill Young Research Day in Washington



Attendees at the workshop view presentations by key research directors in the Department of Defense. Top left: Lawrence Schuette, Acting Director of Research at the Office of Naval Research; top right: Mary Miler, Deputy Assistant Secretary of the Army for Research and Technology; bottom left: Frazier Glenn, Principal Assistant for Research and Technology at the Army Medical Research and Materiel Command; bottom right: Alan Shaffer, Acting Assistant Secretary of Defense for Research and Engineering.

Ten research directors from every major research agency in the Department of Defense, Army, Navy, Air Force and the Office of the Director of National Intelligence participated in an SUS workshop held in the U.S. Capitol in Washington on October 24.

Interim Chancellor Jan Ignash chaired the workshop attended by 34 Florida SUS research deans and vice-presidents and government relations officers. Prior to its start the Workshop on Defense Agency R&D Research was re-named the “First Annual C. W. Bill Young Research Day” in honor of Congressman Bill Young of Florida who passed away just days before the workshop. The Congressman had strongly supported

the workshop concept and had been a long-time advocate for the SUS during his 43 years in Congress. Following this inaugural event, the annual research day workshop will address a different federal research agency portfolio each year.

The Oct. 24 workshop was held to provide Florida university participants with an up-to-date understanding of each agency's research challenges, insight on how university research might respond to DoD needs in science and technology, and ways to pursue collaborations that would be of benefit to both the SUS and DoD. Discussion centered on priorities, evolution of current programs, budget realities, changes for the new fiscal year, and strategic plans that involve extramural research over the next five years. Overall the workshop provided universities with valuable insights into strategic planning for responding to DoD needs.

The Assistant Secretary of Defense for Research and Engineering, Alan Shaffer, opened the meeting with an overview of research operations across the department. He was followed by the Deputy Assistant Secretary of the Army for Research and Technology, Mary Miller, who covered the various Army research organizations. John Frazier Glenn from the Army's Medical Research and Materiel Command spoke about the wide array of medical research funded by his organization. Subsequent presentations were delivered by leaders from the Office of Naval Research, Air Office of Scientific Research, DoD Defense Laboratories Office, DoD Basic Research Office, Defense Advanced Research Projects Agency (DARPA), the Intelligence Advanced Research Projects Activity, and the Defense Threat Reduction Agency.



Following the workshop, Congressman John Mica led participants on a two-hour evening tour of the U.S. Capitol and its history, a very gracious effort especially considering that the Congressman had been in St. Petersburg all day for the funeral of

Congressman Young. The tour included the unique opportunity to tour inside the House chamber.

The workshop was followed the next day by an SUS Federal planning meeting featuring panels of key Congressional staff discussing appropriations and the reauthorization of the Higher Education Act scheduled for next year.

Budget and Appropriations Update

The deal President Obama and Congress struck to reopen the government and avoid defaulting on the government's debt averted a crisis—for now at least—by extending the current continuing resolution (CR) through January 15, 2014, at the current annualized rate of \$986 billion. The bipartisan agreement also protects the full faith and credit of the United States by providing for the suspension of the debt limit through February 7, 2014.

In addition, lawmakers agreed to convene a formal conference to negotiate longer-term solutions to the nation's fiscal challenges, including spending levels for fiscal year 2014 and ways to responsibly address across-the-board cuts, or sequestration. The conferees are required to issue a report by December 13, 2013.

The panel convened for its first meeting on October 30, marking the first time in four years that a conference has formally met to resolve overall budget differences between the House and Senate.

The panel's charge is not as broad as the so-called "super committee" created two years ago by the Budget Control Act. It appears the focus will be narrower, with members trying to reconcile each chamber's fiscal year 2014 budget and address the spending caps for the next two years.

The leaders of the conference committee are the Chairs and Ranking Members of the House and Senate Budget Committees: Reps. Paul Ryan, (R-WI) and Chris Van Hollen (D-MD) and Senators Patty Murray (D-WA) and Jeff Sessions (R-AL) who met October 17 to begin planning for the process.

Others conferees include:

- From the House, House Budget Committee members Rep. Tom Cole (R-OK), Rep. Tom Price (R-GA), Rep. Dianne Black (R-TN), Rep. James Clyburn (D-SC), assistant Democratic Leader, and Rep. Nita Lowey (D-NY), the Appropriations Committee ranking member.
- From the Senate, all 22 members of the [Senate Budget Committee](#) including Sen. Bill Nelson of Florida.

During the conference committee's first meeting, panel members stressed their desire for an agreement, but also displayed the deep divide that exists over taxes and the potential for entitlement reforms. Of most immediate concern, however, is reaching accord on fiscal year 2014 discretionary spending, or more specifically, finding some relief from sequestration. Without any changes, about \$20 billion in automatic, across-the-board cuts would kick in by January 15.

Many agreed that sequestration cuts have already had serious consequences for our economy, including 750,000 job losses by the end of this year and a 0.6 percent shrinkage in the economy, according to the Congressional Budget Office.

Going into the negotiations, the Senate position calls for repealing sequestration altogether and investing in infrastructure, education and job training as a way to stimulate economic growth. The House plan is to reduce the \$16.7 trillion national debt by cutting spending by \$5 trillion over the next decade, and to preserve defense spending by shifting more of the burden to nondefense programs.

If this panel fails to reach an agreement, there is a high probability that government programs will be forced to operate on a CR through the remainder of the fiscal year.

TRANSFER Act aims for new university grant program in tech transfer

Legislation has been introduced in the House to help accelerate the transfer of technology and provide new funding for the so-called "valley of death" phase in the commercialization process. HR 2981, *The Technology and Research Accelerating National Security and Future Economic Resiliency Act of 2013* or *TRANSFER Act*, was introduced by Rep. Christopher Collins (R-NY) and five other cosponsors August 2.

The bill would establish a new "Innovative Approaches to Technology Transfer Grant Program" within the competitive STTR program to support technology transfer innovation at universities, research institutions and federal labs. The goal is to accelerate commercialization of federally funded research and technology by small businesses. For the first two years, the program would be underwritten by allocating 0.05 percent of each Federal agency's STTR budget to these grants. After that the allocation would rise to 0.1 percent.

Each selected grantee institution would be eligible for up to \$1 million per year for three years. The institution would then be expected to issue individual project awards of up to \$150,000 each.

Funds would be awarded:

- for early-stage "proof of concept" translational research projects, for identifying technologies that may have potential for commercialization;
- to support activities such as prototype construction, analysis of experiments, product comparison or collecting performance data;

- for technical validations, market research, clarifying intellectual property rights position and strategy;
- to investigate commercial and business opportunities; and
- to programs providing mentoring, advice or entrepreneurial education, or management to innovators or technology transfer license holders.

Groups supporting this legislation include the American Council on Education, Association of American Medical Colleges, Association of American Universities, Association of Public and Land-grant Universities, the American Innovation Council and a number of other science and business organizations.

NIST seeking comments on new Cybersecurity Framework

The National Institute of Standards and Technology opened a 45-day public comment period on October 29 on its recently released [Preliminary Cybersecurity Framework](#). The feedback is expected to inform development of the final Framework by February 2014. The [Federal Register Notice](#) describes the process for commenting.

The Framework, developed in collaboration with industry, provides guidance to organizations on managing cybersecurity risk. A key objective of the Framework is to encourage organizations to consider cybersecurity risk as a priority similar to financial, safety, and operational risk while factoring in larger systemic risks inherent to critical infrastructure.

On February 12, 2013, President Obama issued Executive Order 13636 directing NIST to work with stakeholders to develop a voluntary framework for reducing cyber risks, recognizing that U.S. national and economic security depends on the reliable functioning of critical infrastructure. Through a request for information and a series of workshops held throughout 2013, NIST elicited input from more than 3,000 individuals and organizations on standards, best practices and guidelines that can provide businesses, their suppliers, their customers and government agencies with a shared set of expected protections for critical information and IT infrastructure.

The Executive Order was issued after Congress failed to agree on cyber information legislation in 2012. This year the House of Representatives passed H.R. 624, the Cyber Intelligence Sharing and Protection Act that seeks to protect privacy and civil liberties while improving cyber threat information sharing. The Senate has not acted on the bill.

The Preliminary Framework outlines a set of steps that can be customized to various sectors and adapted by both large and small organizations while providing a consistent approach to cybersecurity. It offers a common language and mechanism for organizations to determine and describe their current cybersecurity posture, as well as their target state for cybersecurity. The framework will help them to identify and prioritize opportunities for improvement within the context of risk management and to assess progress toward their goals.

NIST will hold a [workshop](#) to discuss the Preliminary Framework—including implementation and further governance—Nov. 14 and 15, 2013, at North Carolina State University. Visit <http://www.nist.gov/itl/csd/5th-cybersecurity-framework-workshop-november-14-15-2013.cfm> for more information and to register. The agenda is now available [here](#).

Bicameral proposal would replace Medicare physician reimbursement formula

A draft legislative proposal to repeal and replace the current Medicare physician reimbursement formula was released October 30 by the House Ways and Means Committee and the Senate Finance Committee. Their approach would freeze physician payments for 10 years and outline a process for alternative payment models. The overall cost of the legislative draft is estimated by the Congressional Budget Office at \$150 billion over 10 years.

The new bill is a cheaper alternative than a recent draft bill by the House Energy and Committee because it assumes no growth in reimbursement over the ten years. The Sustainable Growth Rate formula –widely considered flawed -- is still in effect and unless some new legislation is passed in the next 6 weeks, another temporary “fix” will be needed by January to stave off a scheduled 24.4 percent decrease in reimbursements.

Under the new draft, physicians participating in Medicare fee-for-service would see a negative 1 percent update beginning in 2024, and those using alternative payment methods would see a 2 percent update.

The legislation would combine current quality incentive programs, including the meaningful use of electronic health records, Physician Quality Reporting System and value-based modifier programs into one value-based program, and penalties would remain.

NSF webinars planned on \$27 million informal STEM learning grants

A series of webinars by the National Science Foundation will be held to provide information and insight relating to a recent grant announcement on the Advanced Informal STEM Learning program ([NSF 13-608](#)).

Full proposal deadlines are January 14 and November 14, 2014. Up to 46 awards are anticipated using a maximum of \$27 million. Awards are expected in several mechanisms including Pathway awards, Research in Service, Innovations in Development, and Conferences Symposia and Workshops. NSF also plans to make awards through its EAGERS, RAPIDS and CAREER mechanisms.

Webinars will be held at 1 pm on November 1, noon on November 6, 3 pm on November 12, 1 pm on November 21 and 3 pm on December 3. The first three are called AISL 101 – Introduction to the Solicitation; the last three are AISL 102 – Digging Deeper into the Solicitation. To register, visit http://www.nsf.gov/events/event_summ.jsp?cntn_id=129439&WT.mc_id=USNSF_15&WT.mc_ev=click

NSF plans to post a recording of one of each of the webinar types and an associated transcript after approximately November 20 (AISL 101) and December 10 (AISL 102) on the [AISL homepage](#) as well as on InformalScience.org.

\$14.5 million available through DoD Vision Trauma Research Program grants; deadline November 25

The Department of Defense's Vision Trauma Research Program has posted its Fiscal 2013 Program Announcements for up to \$14.5 million in funding through two mechanisms:

Translational Research Award, funded for a period of up to three years. This mechanism expects to fund 12 awards, for a total of \$12 million. The maximum for any award is \$1 million, with \$5 million of the total reserved for Traumatic Brain Injury visual dysfunction-related research projects.

Hypothesis Development Award, funded for a period of two years with a maximum cost of \$250,000 each. DoD expects to fund about 10 awards, totaling about \$2.5 million. Of that amount, \$1.5 million must be reserved for TBI-related projects.

The deadline for pre-proposal submissions for both awards is November 25, 2013. Each mechanism specifies the DOD-identified research gaps for which research should be proposed and states that proposals outside the focus areas should not be submitted.

For more information, visit:

[Translational Research Award](#)

[Hypothesis Development Award](#)

Senator to introduce bill creating alternate accreditation system

At a speech October 29 to the Heritage Foundation in Washington, Utah Republican Senator Mike Lee said he will introduce a bill soon to establish a parallel state system of higher education accreditation.

He said the Higher Education Reform and Opportunity Act will propose an optional state approach providing access to federal financial aid for courses, apprenticeships, online programs and other learning offered outside universities.

"Brick-and-ivy institutions will always be the backbone of our higher-education system, but they shouldn't be the only option," Lee said. He added his approach would allow students to build a learning experience from a number of possible sources.

Highlights of competitive grant opportunities at federal agencies

Agency: Agency for International Development
USAID - Barbados and Eastern Caribbean

Program: Addendum to Call for Public-Private Alliance

Description: Objectives of this program are 1. Improve citizen security, by creating more economic and educational opportunities for at risk youth. The ability for youth to take advantage of economic and social opportunities is critical for the future of the Caribbean region. 2: Prepare governments, communities and specific sectors to prepare for and respond to climate change, with a focus on developing the region's green economy and improving energy efficiency. 3: Support greater HIV awareness, prevention and care.

Due Date: 1/31/2014

Funding: Total Funding: \$5,000,000; Award Ceiling: \$1,250,000

Website: <http://www.grants.gov/web/grants/search-grants.html>

Agency: Department of Agriculture
National Institute of Food and Agriculture

Program: AFRI NIFA Fellowships Grant Program

Description: The Program seeks to develop the technical and academic competence of doctoral candidates and the research independence and teaching competencies of postdoctoral students in the food, forestry and agricultural sciences, which are within NIFA's AFRI Challenge Areas, through well-developed and highly interactive mentoring and training activities.

Due Date: 2/20/2014

Funding: \$6,000,000

Website: <http://www.nifa.usda.gov/funding/rfas/afri.html>

Agency: Department of Commerce
Department of Commerce

Program: Monkfish Research Set-Aside

Description: NMFS and the Councils will give priority to funding research proposals in the following areas. The priorities are listed in order of importance. 2014 Monkfish RSA Program Research Needs and Priorities: 1. Research on monkfish life history focusing on: (a) age and growth, (b) longevity, (c) reproduction, and (d) natural mortality; 2. Migration patterns focusing on: (a) short- and long-term movements with respect to management areas and off-shelf movements, and, (b) habitat use; 3. Research concerning trophic interactions of monkfish with other species and monkfish cannibalism; 4. Cooperative research surveys to fill in gaps in current survey coverage; 5. Research concerning bycatch and discard mortality focusing on: (a) Target species (i.e., monkfish or Northeast multispecies), and (b) non-target species (e.g., monkfish or skate); and 6. Trawl and gillnet gear studies focusing on: (a) Size and/or species selectivity, and, (b) bycatch reduction, including reducing bycatch of and interactions with protected species.

Due Date: 1/6/2014

Funding: Not Specified

Website: <http://www.grants.gov/web/grants/search-grants.html>

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

Program: DoD Breast Cancer Postdoctoral Fellowship Award

Description: Applications must provide details on the suitability of the principle investigator overall training plan and research project for attaining the goals of this award mechanism. Applications must elaborate on the qualities of the training environment in which the candidate will work, provide details on the individualized, breast cancer-focused training plan, and describe how this training will facilitate the PI's career development as an independent, innovative breast cancer researcher. A multidisciplinary research approach to breast cancer is highly encouraged but not required; however, if there are multidisciplinary aspects to the training, they should be clearly outlined in the application. The application must articulate the potential impact that the proposed work will have on breast cancer. The research should be based on a sound scientific rationale and/or a thorough review of the literature. Preliminary data are not required.

Due Date: 1/9/2014

Funding: \$9,000,000

Website: <http://www.grants.gov/web/grants/search-grants.html>

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

Program: DoD FY13 CRM RP VRP Hypothesis Development Award

Description: Make an important and original contribution to advancing the understanding of visual dysfunction and lead ultimately to improved outcomes for patients. The presentation of preliminary or published data relevant to one or more of the VRP HDA Focus Areas is encouraged, but not required.

Due Date: 2/6/2014

Funding: \$2,500,000

Website: <http://www.grants.gov/web/grants/search-grants.html>

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

Program: Vision Research Program Translational Research Award

Description: The program supports translational research that will accelerate the movement of promising ideas in vision research into clinical applications. Observations that drive a research idea may be derived from a laboratory discovery, population-based studies, or a clinician's first-hand knowledge of patients and anecdotal data. The research plan must involve a reciprocal flow of ideas and information between basic and clinical science. The FY13 VRP TRA is intended to promote significant improvements over current approaches and supports research projects that are likely to have a major impact by applying research findings to patient care. This award mechanism encourages a team approach involving collaboration among clinicians, scientists, and/or engineers. Applications must include preliminary or published data relevant to one or more of the VRP TRA Focus Areas and to the proposed research.

Due Date: 2/6/2014

Funding: \$12,000,000

Website: <http://www.grants.gov/web/grants/search-grants.html>

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

Program: DoD Clinical and Rehabilitative Medicine Neurosensory Research Award

Description: The FY13 DMRDP CRM RP Neurosensory Research Award is intended to support both applied (preclinical) research and clinical trials within specific focus areas of pain management, hearing loss/dysfunction, balance disorders, and/or tinnitus. Applications focused on traumatic brain injury are highly encouraged.

Due Date: 2/11/2014

Funding: \$15,200,000

Website: <http://www.grants.gov/web/grants/search-grants.html>

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

Program: DoD Clinical and Rehabilitative Medicine Neuromusculoskeletal Injuries Research Award

Description: The program seeks investigators who will specifically address one or more of the FY14 focus areas listed below. • Improving the functional utility of assistive devices related to the human-device interface Improvements in prosthetic socket comfort, residual limb health, and function. • Improving the ability to predict, identify and reduce secondary health effects that develop after severe primary neuromusculoskeletal injury • Determining factors that predict development and successful treatment of osteoarthritis, low back pain, or other musculoskeletal conditions • Intervention strategies to diminish falls and decrease fracture risk • Strategies to improve treatment and rehabilitation of heterotopic ossification • Optimizing treatment strategies and sequence of progression throughout the rehabilitation process following severe extremity trauma • Determining the optimal combination, dose, and timing of rehabilitative techniques to minimize impairments and maximize function and performance • Objectively guiding prosthetic and/or orthotic prescription to minimize impairments and maximize function and performance

Due Date: 2/11/2014

Funding: \$8,300,000

Website: <http://www.grants.gov/web/grants/search-grants.html>

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

Program: Clinical and Rehabilitative Medicine Research Program Regenerative Medicine Clinical Trial Award

Description: The FY14 Regenerative Medicine Clinical Trial Award (RMCTA) is intended to support Phase I or II clinical trials focused on extremity regeneration, craniomaxillofacial regeneration, vascularized composite allografts, and/or genitourinary/lower abdomen reconstruction. All clinical trials must be responsive to the health care needs of military service members and veterans, and all applications must specifically and clearly address the military relevance of the proposed research; however, the use of military populations in the proposed clinical trial(s) is not a requirement. Applications submitted to the FY14 program must specifically address one or more of the focus areas listed below.-Extremity Regeneration - Craniomaxillofacial Regeneration-Vascularized Composite Allotransplantation-Genitourinary/Lower Abdomen Reconstruction.

Due Date: 2/11/2014

Funding: \$11,100,000

Website: <http://www.grants.gov/web/grants/search-grants.html>

Agency: Department of Defense
Office of Naval Research

Program: Hypoxia Monitoring, Alert, and Mitigation System

Description: The Office of Naval Research is interested in receiving proposals for the development of a HAMS for 1) ground troops at altitude and 2) casualties during air evacuation. HAMS will predict/detect/warn warfighters of impending hypoxic events based on individual physiological, environmental, and cognitive monitoring. The goal is to provide optimal protection of military personnel and equipment through intelligent monitoring and adaptive modeling that accounts for individual differences in physiologic tolerance and provides a timely notification/warning such that personnel can take corrective action before missions are compromised or injuries are aggravated.

Due Date: 11/22/2013

Funding: Not Specified

Website: <http://www.grants.gov/web/grants/search-grants.html>

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

Program: Research on Malignancies in the Context of HIV/AIDS (R01)

Description: Research Project Grant (R01) applications are sought from institutions that propose to continue advancing understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying Human Immunodeficiency (HIV) infection or Acquired Immune Deficiency Syndrome (AIDS). The NCI and NIDCR encourage research in areas such as the study of the etiologic factors, cofactors, immunopathogenesis, diagnosis, and consequences of both non-AIDS defining and AIDS-defining malignancies in diverse populations. This FOA encourages research efforts that will (i) provide information on the clinical outcomes of such cancers in the HIV-infected population and (ii) identify specific contributions resulting from HIV infection and its potential interaction with other pathogens for the development and pathogenesis of these cancers. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population.

Due Date: 9/7/2016

Funding: Not Specified

Website: <http://grants.nih.gov/grants/guide/pa-files/PA-13-377.html>

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

Program: Research on Malignancies in the Context of HIV/AIDS (R21)

Description: Research Project Grant (R21) applications are sought from institutions that propose to continue advancing our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying Human Immunodeficiency (HIV) infection or Acquired Immune Deficiency Syndrome (AIDS). The NCI and NIDCR encourage research in areas such as the study of the etiologic factors, cofactors, immunopathogenesis, diagnosis, and consequences of both non-AIDS defining and AIDS-defining malignancies in diverse populations. This FOA encourages research efforts that will (i) provide information on the clinical outcomes of such cancers in the HIV-infected population and (ii) identify specific contributions resulting from HIV infection and its potential interaction with other pathogens for the development and pathogenesis of these cancers. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population.

Due Date: 9/7/2016

Funding: Award Ceiling: \$200,000

Website: <http://grants.nih.gov/grants/guide/pa-files/PA-13-378.html>

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

Program: Administrative Supplements to NIH Awards for Validation Studies of Analytical Methods for Natural Products

Description: This is an administrative supplement program to provide funds to NCI- and NIDDK-supported research projects for validation studies of new analytical chemistry methods. These methods must have been developed or be under development by the awardees during the active parent grant. They must be methods used to identify and quantify constituents (bioactive and other chemical marker constituents and/or their metabolites, adulterants, or contaminants) in products intended for oral administration in humans or in biological specimens such as urine, plasma, or animal tissues. As test agents the products studied may be investigated in vitro or in vivo. The products under investigation in parent grants may be dietary supplements (including vitamins or other bioactive compounds), foods, and other orally administered natural products or their raw source materials.

Due Date: 10/31/2015

Funding: Total Funding: \$800,000; Award Ceiling: \$100,000

Website: <http://grants.nih.gov/grants/guide/pa-files/PA-13-381.html>

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

Program: Planning for a National Center for Particle Beam Radiation Therapy Research (P20)

Description: The program is intended to encourage and support planning efforts for establishing a Center for Particle Beam Radiation Therapy (PBRT) Research. The Center must be planned to operate as a research center adjunct to an independently created and funded, sustainable clinical facility for PBRT. Ultimately, the proposed Center is expected to perform clinically relevant research using proton and heavier ion beams. The goal of this FOA is to provide the awardees with funding to enable inclusion of necessary to carry out basic, and translational, and clinical research complementary to a clinical PBRT facility. The necessary expertise and efforts would be provided by a multidisciplinary team of basic, translational, and clinical researchers, including physicists, engineers, biologists, and physicians, while the research facilities may include, by way of example, cell culture laboratories, vivarium, and clinical anesthesia units for pediatric patients. Applicants responding to this FOA must propose at least one pilot project that will enable a PBRT research agenda

in particle beam delivery systems, dosimetry, radiation biology, or translational pre-clinical studies. It is expected that this effort will lead to a national research resource capable of successfully competing for and securing the funding required to operate a specialized research center for clinical PBRT. This FOA is designed to support solely the planning for a Research Center at a separately funded PBRT facility, and not the PBRT facility itself.

Due Date: 1/21/2014

Funding: Award Ceiling: \$500,000

Website: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-371.html>

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

Program: Modeling Social Behavior (R01)

Description: This program will develop and test innovative theories and computational, mathematical, or engineering approaches to deepen our understanding of complex social behavior. This research will examine phenomena at multiple scales to address the emergence of collective behaviors that arise from individual elements or parts of a system working together. Emergence can also describe the functioning of a system within the context of its environment. Often properties we associate with a system itself are in actuality properties of the relationships and interactions between a system and its environment. This FOA will support research that explores the often complex and dynamic relationships among the parts of a system and between the system and its environment in order to understand the system as a whole.

Due Date: 1/7/2017

Funding: Not Specified

Website: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-374.html>

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

Program: Nutrigenetics and Nutrigenomics Approaches for Nutrition Research (R01)

Description: Promote application of nutrigenetics and/or nutrigenomics approaches to nutrition research through collaborative interaction among nutrition researchers and experts in omics technologies.

Due Date: 1/7/2014

Funding: Not Specified

Website: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-375.html>

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

Program: NIBIB Biomedical Technology Resource Centers (P41)

Description: Biomedical Technology Resource Centers (BTRCs) that are funded using the P41 mechanism. BTRCs conduct research and development on new technologies that are driven by the needs of basic, translational, and clinical researchers. BTRCs also make their technologies available, train members of the research community in the use of the technologies, and disseminate these technologies broadly.

Due Date: 3/22/2016

Funding: Not Specified

Website: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-376.html>

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

Program: Establishing Outcome Measures for Clinical Studies of Oral and Craniofacial Diseases and Conditions (R01)

Description: Support the development of well-founded outcome measures, including establishing their reliability and validity, for clinical studies of oral and craniofacial diseases and conditions.

Due Date: 9/7/2015

Funding: Not Specified

Website: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-379.html>

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

Program: Establishing Outcome Measures for Clinical Studies of Oral and Craniofacial Diseases and Conditions (R21)

Description: Support the development of well-founded outcome measures, including establishing their reliability and validity, for clinical studies of oral and craniofacial diseases and conditions.

Due Date: 9/7/2015

Funding: Award Ceiling: \$200,000

Website: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-380.html>

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

Program: Analysis of Genome-Wide Gene-Environment (G x E) Interactions (R21)

Description: Provide support for research projects that involve secondary data analyses of existing genome-wide data from genome-wide association studies or other large genomic datasets for the purpose of identifying gene-environment interactions. The ultimate objective is the discovery of complex interplays of genes and environmental factors in human populations which may disclose novel genetic susceptibilities to environmental exposures or a greater understanding of the role of environmental exposures in the development, progression, and severity of complex human diseases.

Due Date: 2/14/2014

Funding: Award Ceiling: \$200,000

Website: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-382.html>

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

Program: Enhancing the Capacity for Biomedical Research on Tuberculosis for HIV-infected Mothers and Children in India

Description: Cohort Research Units have been newly established in India through collaborations between the U.S. and Indian governments, investigators, and institutions in order to develop longitudinal cohorts of TB patients and their contacts (including patients with HIV and TB co-infection) and fundamental research laboratories. This opportunity invites Research Project Grant (R01) applications from institutions/organizations that propose to include HIV-infected and uninfected children and pregnant women with TB exposure, infection, or disease within these recently established programs in India.

Due Date: 12/27/2013

Funding: Total Funding: \$1,000,000; Award Ceiling:\$350,000

Website: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-14-025.html>

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

Program: Clinical Research in the Prevention, Diagnosis, and Treatment of HIV-Related Heart, Lung, and Blood (HLB) Diseases in Adults and Children (R01)

Description: The prevention, diagnosis, and treatment of HIV-related heart, lung, and/or blood (HLB) diseases in adults and children. Proposed projects may utilize various approaches such as observational studies; quasi-experimental designs; and single-center, pilot trials. Whenever possible, investigators are strongly encouraged to leverage existing infrastructure such as clinical cohorts, biological specimens and imaging banks. The goal is to address major scientific gaps in characterizing, preventing, diagnosing, or treating HIV-related HLB diseases and foster multi-disciplinary collaborations among investigators.

Due Date: 1/8/2015

Funding: Award Ceiling: \$499,999

Website: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-14-023.html>

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

Program: Basic Research in the Pathogenesis of HIV-Related Heart, Lung, and Blood (HLB) Diseases in Adults and Children (R01)

Description: Investigate the fundamental mechanisms underlying the pathogenesis of HIV-related heart, lung, and/or blood (HLB) diseases alone and in the context of antiretroviral therapy (ART). Investigations may be conducted on various primary cell types, bio specimens, computational models, and animal models, particularly those used for HIV research. The goal is to provide the critical basic science foundation and guide the design of new therapeutic approaches for HIV-related HLB conditions in adults and children.

Due Date: 1/8/2015

Funding: \$499,999

Website: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-14-024.html>

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

Program: Basic Research in the Pathogenesis of HIV-Related Heart, Lung, and Blood (HLB) Diseases in Adults and Children (R21)

Description: Investigate the fundamental mechanisms underlying the pathogenesis of HIV-related heart, lung, and/or blood (HLB) diseases alone and in the context of antiretroviral therapy (ART). Investigations may be conducted on various primary cell types, bio specimens, computational models, and animal models, particularly those used for HIV research. The goal is to provide the critical basic science foundation and guide the design of new therapeutic approaches for HIV-related HLB conditions in adults and children.

Due Date: 1/8/2015

Funding: \$200,000 per award

Website: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-14-029.html>

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

Program: Secondary Analyses of Social and Behavioral Datasets in Aging (R03)

Description: For up to two years for secondary analysis of data on aging in the areas of psychology, social epidemiology, economics, sociology, and demography.

Due Date: 2/3/2014

Funding: Total Funding: \$1,000,000; Award Ceiling: \$100,000

Website: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-14-008.html>

Agency: Department of State
Office to Monitor/Combat Trafficking in Persons

Program: International Programs to Combat Trafficking in Persons

Description: The Department of State's Office to Monitor and Combat Trafficking in Persons (TIP Office) is announcing an open competition for fiscal year 2014 funding of projects to combat trafficking in persons outside of the United States. The first stage of competition begins with this solicitation for a two-page Statements of Interest (SOI) from eligible organizations interested in submitting proposals for projects that address the country-specific requirements identified in this solicitation, which are based on the 2013 Trafficking in Persons Report (TIP Report). In the second stage of competition, the TIP Office will invite selected applicants to submit full proposals that expand upon their capability to perform the project proposed in their SOI. United States-based and foreign non-profit, non-governmental organizations (NGOs), and institutions of higher education are eligible to apply.

Due Date: 11/18/2013

Funding: Award Ceiling: \$750,000; Award Floor: \$100,000

Website: <https://www.grantsolutions.gov/gs/preaward/previewPublicAnnouncement.do?id=18488>

Agency: Department of the Interior

Program: Maintenance Assistance Program

Description: The Office of Insular Affairs (OIA) is requesting funding proposals for its Maintenance Assistance Program (MAP). MAP funding is used to support, develop, improve and, as much as possible, institutionalize infrastructure maintenance practices in the seven insular areas.

Due Date: 6/2/2014

Funding: Not Specified

Website: <http://www.grants.gov/web/grants/search-grants.html>

Agency: Department of the Interior

Program: Technical Assistance Program

Description: The Office of Insular Affairs is requesting proposals for its Technical Assistance Program (TAP) which provides grant funding for short-term projects intended to meet the immediate needs of the insular areas.

Due Date: 1/7/2017

Funding: Not Specified

Website: <http://www.grants.gov/web/grants/search-grants.html>

Agency: National Endowment for the Humanities

Program: Scholarly Editions and Translations

Description: Projects must be undertaken by a team of at least one editor or translator and one other staff member. Grants typically support editions and translations of significant literary, philosophical, and historical materials, but other types of work, such as musical notation, are also eligible. Applicants should demonstrate familiarity with the best practices recommended by the Association for Documentary Editing or the Modern

Language Association Committee on Scholarly Editions. Translation projects should also explain the approach adopted for the particular work to be translated. Editions and translations produced with NEH support contain scholarly and critical apparatus appropriate to the subject matter and format of the edition. This usually means introductions and annotations that provide essential information about the form, transmission, and historical and intellectual context of the texts and documents involved. Proposals for editions of foreign language materials in the original language are eligible for funding, as well as proposals for editions of translated materials.

Due Date: 1/7/2014

Funding: Award Ceiling: \$300,000

Website: <http://www.grants.gov/web/grants/search-grants.html>

Agency: National Endowment for the Humanities

Program: Collaborative Research

Description: Collaborative Research Grants support interpretive humanities research undertaken by a team of two or more scholars, for full-time or part-time activities for periods of one to three years. Support is available for various combinations of scholars, consultants, and research assistants; project-related travel; field work; applications of information technology; and technical support and services. All grantees are expected to communicate the results of their work to the appropriate scholarly and public audiences. Eligible projects include research that significantly adds to knowledge and understanding of the humanities; conferences on topics of major importance in the humanities that will benefit scholarly research; archaeological projects that include the interpretation and communication of results (projects may encompass excavation, materials analysis, laboratory work, field reports, and preparation of interpretive monographs); and research that uses the knowledge and perspectives of the humanities and historical or philosophical methods to enhance understanding of science, technology, medicine, and the social sciences.

Due Date: 1/7/2014

Funding: Award Ceiling: \$300,000

Website: <http://www.grants.gov/web/grants/search-grants.html>

Agency: National Science Foundation

Program: Advancing Informal STEM Learning

Description: The Advancing Informal STEM Learning (AISL) program seeks to advance new approaches to and evidence-based understanding of the design and development of STEM learning in informal environments; provide multiple pathways for broadening access to and engagement in STEM learning experiences; advance innovative research on and assessment of STEM learning in informal environments; and develop understandings of deeper learning by participants. The AISL program supports five types of projects: (1) Pathways, (2) Research in Service to Practice, (3) Innovations in Development, (4) Broad Implementation, and (5) Conferences, Symposia, and Workshops.

Due Date: 1/14/2014

Funding: Total Funding: \$27,000,000; Award Ceiling: \$3,000,000

Website: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf13608

Agency: National Science Foundation

Program: Petrology and Geochemistry

Description: The Petrology and Geochemistry Program supports basic research on the formation of planet Earth, including its accretion, early differentiation, and subsequent petrologic and geochemical modification via igneous and metamorphic processes. Proposals in this program generally address the petrology and high-temperature geochemistry of igneous and metamorphic rocks (including mantle samples), mineral physics, economic geology, and volcanology. Proposals that are focused on the development of analytical tools, theoretical and computational models, and experimental techniques for applications by the igneous and metamorphic petrology, and high temperature geochemistry communities are also invited.

Due Date: 1/21/2014

Funding: Total Funding: \$13,500,000; Award Ceiling: \$500,000

Website: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14501

Agency: National Science Foundation

Program: Division of Environmental Biology

Description: The Division of Environmental Biology (DEB) supports fundamental research on populations, species, communities, and ecosystems.

Scientific emphases range across many evolutionary and ecological patterns and processes at all spatial and temporal scales. Areas of research include biodiversity, phylogenetic systematics, molecular evolution, life history evolution, natural selection, ecology, biogeography, ecosystem structure, function and services, conservation biology, global change, and biogeochemical cycles. Research on organismal origins, functions, relationships, interactions, and evolutionary history may incorporate field, laboratory, or collection-based approaches; observational or manipulative experiments; synthesis activities; as well as theoretical approaches involving analytical, statistical, or computational modeling.

Due Date: 1/23/2014

Funding: \$72,000,000

Website: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14503

Agency: National Science Foundation

Program: Collaborative Research in Computational Neuroscience

Description: Two classes of proposals will be considered in response to this solicitation: Research Proposals describing collaborative research projects, and Data Sharing Proposals to enable sharing of data and other resources. Each of the funding organizations participating in this program has a commitment to developing and supporting computational neuroscience research for the purpose of advancing the understanding of the neuroscience questions relevant to the missions of the organizations. Proposals selected for funding must be responsive to the mission of a participating funding organization.

Due Date: 1/27/2014

Funding: \$20,000,000

Website: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14504