

THE STATE UNIVERSITY SYSTEM OF FLORIDA

WASHINGTON E-UPDATE

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What's News?

Update: Health Care Reform: Update: Health Care Reform: As this issue is going to press, House and Senate centrists are trying to exert their influence in the health care debate where it will matter most: the version of their respective bills that will be debated on the House and Senate floor.

Earlier this month, the Senate Finance Committee approved, by a 14 to 9 vote, its long-awaited reform proposal, priced at \$829 billion over 10 years. Now, Senate Majority Leader Harry Reid (D-NV) is working with Senators Chris Dodd (D-CT) and Max Baucus (D-MT), along with a team of top White House officials, to reconcile the Finance bill with one passed earlier this year by the Senate Health, Education, Labor and Pensions (HELP) Committee.

Sen. Reid needs at least 60 votes in order to call up the bill for debate, so the measure will have to be carefully crafted to garner enough support.

In the meantime, the House Democratic leadership has been busy combining the work of its three health committees into one bill capable of garnering the 218 votes necessary to pass an \$894 billion reform bill in that chamber. That bill—the Affordable Health Care for America Act—was released October 29.

While many issues are at stake in both the House and Senate bills, the two most contentious are whether to include a government-run public insurance option that would

compete against private health insurers, and how best to pay for reform. Currently, both the House and Senate versions of the bill include some form of public option, however the Senate bill would permit states to opt out if they so choose.

As for paying for reform, the House bills call for a surtax on top earners, while the Senate bill would impose a 40 percent excise tax on “high-value” health plans and levy an annual fee on insurers, medical device manufacturers and pharmaceutical manufacturers.

Floor debate in the Senate is likely to begin in mid-November; House debate could begin as early as November 5.

GME Reforms Would Likely Benefit SUS Teaching Hospitals

With the House and Senate leadership working on their respective “melded” health care reform proposals, each bill is expected to carry provisions developed along the way in each chamber that deal with unused Graduate Medical Education residency training slots.

Senate approach

The Senate Finance Committee bill -- the America’s Healthy Future Act of 2009

-- includes provisions championed by Senator Bill Nelson that would redistribute currently unused residency slots to the benefit of Florida institutions.

Specifically, 80 percent of currently unused residency slots—approximately 500 – 700 nationally—would be available for redistribution to hospitals based on the following criteria:

- The hospital is located in a state with medical resident to population ratios in the lowest quartile;
- The hospital is located in a state that is among the top 10 states in terms of the ratio of the total population living in a health professional shortage area;
- The hospital is in a rural area.

Seventy percent of the residency slots available for redistribution will be provided to states meeting the first criteria. While the exact number of residency slots that may be available to Florida hospitals is unknown, Florida is well positioned to take advantage of this new program because it qualifies for priority under the first criteria. In addition, several states that fall under the first criteria do not currently have residency programs.

The legislation also ensures that the indirect medical education adjustment for these positions would be reimbursed at the full IME adjustment factor, rather than 50 percent as originally proposed.

House approach

The House's health reform legislation -- America's Affordable Health Choices Act of 2009 -- and the just-released "melded" version include similar provisions that are less specific than those of the Senate Finance Committee but address the redistribution of slots.

The provision -- championed by Reps. Kathy Castor and Kendrick Meek --

would allow for the redistribution of an unspecified number of unused residency slots for primary care training, with no more than 20 redistributed slots going to any one hospital. The bill directs the Secretary of the Department of Health and Human Services to give preference to states with low population to medical resident ratios and high numbers of state residents living in health professional shortage areas.

The ultimate version of this measure will depend on decisions made by members of the health care reform conference committee in the final stages of the legislative process.

To read the new House bill or summaries of it, please visit:

http://energycommerce.house.gov/index.php?option=com_content&view=article&id=1687:health-care-reform&catid=169:legislation&Itemid=55

Congress Clearing Appropriations Bills Slowly – Second “CR” Passed

With autumn’s first Continuing Resolution set to expire October 31, Congress just passed a second “CR” keeping most federal agencies operating until December 18. As for the eventual wrap up of appropriations, health care reform continues to be the “sun” this year with all other legislative issues revolving around it.

Three more Fiscal Year 2010 appropriations bills were enacted this month bringing the total cleared for Presidential signature to five: Legislative Branch; Agriculture; Energy and Water; Homeland Security; and Interior and the Environment. In passing the Interior and Environment Bill this past week, Congress used it as a vehicle to carry the Continuing Resolution.

Throughout the month, the Senate has chipped away at its backlog of un-passed appropriations bills. Where possible, the House and Senate staffs have worked on conference reports for several subcommittees including Transportation, Housing and Urban Development; Labor, Health and Human Services, and Education; and Defense.

The approaching floor debate on health care reform proposals in both the House and Senate – and the anticipated length of that debate --has created a rapidly closing window for Congressional leaders to move the remaining seven appropriations bills before the end of the session.

Leaders are currently considering the possibility of packaging remaining bills into one wrap-up or omnibus appropriations bill.

Except for breaks around Veterans Day and Thanksgiving, it is clear that Congress will be in session at least until the week before Christmas, and possibly longer, depending on the status of the health care debate. Congressional leaders have signaled that they would like to finish appropriations bills in early December.

Senate Committees Release Energy and Climate Change Bill

During the past month two Senate committees released a 923-page energy and climate change bill which was the subject of three hearings the last week of October with Cabinet Secretaries for the Department of Energy, Interior and Transportation.

The Chairs of the Senate Environment and Public Works Committee (Sen. Barbara Boxer) and the Senate Foreign Relations Committee (Sen. John Kerry) worked together to develop "The Clean Energy Jobs and American Power Act," the second of two Senate bills to address the issue. The bill would create a cap and trade system designed to cut greenhouse gas emissions by 20 percent below 2005 levels by 2020 and 83 percent by 2050. Sen. Kerry has acknowledged that the legislation would lead to higher energy costs in the short run, but he added the measure would create jobs and help protect the nation's national security.

Senator Boxer has announced her intention to hold a committee markup session on the legislation in the next week. Republican members of the committee, however, are threatening to boycott that meeting until the Congressional Budget Office scoring analysis is completed and made available to them. An EPA decision not to run a completely new analysis of the bill is also a reason for Republican concern. The EPA decided that the Senate bill was close enough to the House-passed bill that a new analysis was not needed. That original analysis showed the legislation would cost the average household about \$100 annually.

Previously, the Senate Energy and Natural Resources Committee, with jurisdiction over energy policy, passed "The American Clean Energy Leadership Act of 2009" on June 17. The Committee held a hearing October 14 to discuss economic analyses of the House-passed version of the bill. The Director of the Congressional Budget Office and the administrator of the Energy Information Administration testified along with the Environmental Protection Agency's chief of climate economics.

In all, five Senate Committees with jurisdiction on some aspect of energy policy will still have to consider legislation in a formal mark up session. Sen. Kerry is advocating that all committees be required to do that by Thanksgiving.

Energy and climate change legislation in the House is consolidated into one bill: "The American Clean Energy and Security Act of 2009," H.R. 2454. This legislation, passed by the House of Representatives 219-212 on June 26, includes cap-and-trade for carbon emissions, renewable energy mandates, efficiency standards, fossil fuel alternatives and smart-grid funding.

Movement on the Boxer-Kerry bill will be complicated by the fact that the Senate Finance Committee also must consider and approve it because of provisions that fall within its jurisdiction, including the emission credit allocation formula and protection for

domestic manufacturers through possible tariffs. However, the Finance Committee is currently deeply involved with health care reform legislation and Chairman Max Baucus has cast doubt on his committee's ability to take up this bill quickly.

As with the House bill, agricultural interests are already signaling opposition to the initial bill's treatment of corn-based ethanol production and the Senate Agriculture Committee is one of the Committees needing to also hold a markup on the legislation.

Climate change legislation was the topic of an October 11 Op-Ed article published in the New York Times and co-authored by Senators John Kerry (D-MA) and Lindsey Graham (R-SC). Titled "Yes We Can (Pass Climate Change Legislation)" the article describes the need for a bipartisan approach to the issue.

With all the Senate Committees and issues involved, and the current focus in Congress on health care reform, final action in this area is not expected until next year.

For more information or to read The Clean Energy Jobs and American Power Act, visit:

http://www.epw.senate.gov/public/index.cfm?FuseAction=Majority.PressReleases&ContentRecord_id=84691b8e-802a-23ad-4728-e60de8d50fea

Fate of Student Aid Legislation Uncertain in the Near Term

Since September when the House passed the Student Aid and Fiscal Responsibility Act of 2009 (H.R. 3221), attention has shifted to the Senate where the Committee on Labor, Health, Education and Pensions (HELP) has jurisdiction on education issues. Thus far, the HELP Committee, with new Chairman Sen. Tom Harkin at the helm, has not released its version of the student aid legislation.

The House-passed legislation would use savings from eliminating the Federal Family Education Loan Program (FFEL) to bolster the Pell Grant program, fund a new Federal Direct Perkins Loan Program and increase funding in other higher education and K12 programs.

The Fiscal Year 2010 budget resolution passed last spring by Congress required the House and Senate education committees to report a “reconciliation bill” with at least \$1 billion in savings by October 15. Many Capitol Hill observers believe however that the deadline could be easily extended until the end of the session, as has occurred in previous years.

The Senate HELP Committee, also deeply involved in the health care reform process, is hoping to release its bill on student aid reform and begin moving it before the end of the year. After going through the Committee, the legislation would have to be approved by the Senate before the House and Senate could conference the bills. However, the timing of this action could easily slip into next year, depending on how long the health care reform debate takes.

New Research Agency Formed at USDA

The National Institute of Food and Agriculture officially became the Agriculture Department’s new extramural research agency on October 8.

Congress authorized the agency in last year’s farm bill, creating it out of the existing Cooperative State Research, Education, and Extension Service to form a research enterprise on par with the National Science Foundation and the National Institutes of Health.

Heading up NIFA will be plant scientist Roger N. Beachy of the Danforth Plant Science Center in St. Louis and a member of the National Academy of Sciences. A review of existing USDA research programs, goals and outcomes is now underway.

In launching the Institute and calling for a “new era of agricultural science,” Agriculture Secretary Tom Vilsack said, “It is no exaggeration to say that NIFA will be a research “start-up” company -- we will be rebuilding our competitive grants program from the ground up to generate real results for the American people.”

He called on the agency to focus its work on science to:

- keep American agriculture competitive while ending world hunger;
- support improvements in nutrition and ways to end childhood obesity;
- improve food safety;
- secure the nation's energy future; and
- improve the environment and natural resources.

Solar Technology Bill Approved by House Committee

Following approval by the House Science Committee earlier this month, the House of Representatives passed the Solar Technology Roadmap Act, [H.R. 3585](#), on October 22.

By directing the Department of Energy to create a comprehensive roadmap process, the measure would direct the Department to conduct research, development and demonstration projects on all forms of solar energy technology, on solar manufacturing and on the integration of solar technology in buildings.

The roadmap would cover a broad range of important research areas, including solar power, solar manufacturing, solar heating and cooling, and integration of solar technologies into buildings. The process would incorporate expertise from both the public and private sectors to provide recommendations on ways to address short-term, mid-term, and long-term RD&D needs.

The bill authorizes \$2.5 billion over 5 years and calls for a Solar Technology Roadmap Committee to develop forecasts of solar energy potential and recommend research initiatives. New R&D grant programs would be established, including special efforts on the reuse, recycling and disposal of photovoltaic devices.

The legislation identifies key areas of concern and research to be addressed in the roadmap process including energy production, scaling, storage, transmission and integration within a "Smart Grid."

Next Application Deadline Approaching for Health Information Technology Extension Centers Program

Preliminary applications are due December 22 for the second wave of federal grants for Health Information Technology Regional Extension Centers. Seventy awards averaging \$8.5 million each over four years are expected to be issued by the Office of the National Coordinator for HIT in the Department of Health and Human Services.

The Regional Extension Centers program was established by the American Recovery and Reinvestment Act. It provides technical assistance to assist health care providers—especially those delivering primary care—as they implement and become “meaningful users” of HIT.

Specifically, the Centers would provide education and outreach, participate in a National Learning Consortium with other Regional Extension Centers, support local workforce development by facilitating the integration of HIT into health professionals’ training, support practice and workflow redesign, translate best practices in privacy and security, and facilitate “functioning interoperability” by connecting providers to the health information exchange infrastructure.

Nonprofit institutions and organizations with demonstrated success in providing these services are eligible to apply. Applicants must be able to serve a minimum of 1,000 primary care providers, representing at a minimum 20 percent of total primary care providers in a proposed service area. Service areas may be an area within a state, a metropolitan statistical area (which may cut across states), or be an entire state or region.

Grants are awarded in three cycles, with each cycle having a two-step application process.

| Initial Cycle | Approx Funding | Preliminary Application | Preliminary Approval | Full Applications | Awardee Selection |
|---------------|----------------|-------------------------|----------------------|-------------------|--------------------|
| 2 | \$225,000,000 | December 22, 2009 | January 19, 2010 | March 2, 2010 | April 27, 2010 |
| 3 | \$184,000,000 | June 1, 2010 | June 22, 2010 | August 3, 2010 | September 28, 2010 |

The Secretary has waived the original 50 percent cost-sharing requirement for the first two years of funding. For the third and fourth years of grant funding, centers will have a 10 percent cost-sharing requirement, which may be paid for using non-federal funding (e.g., participating provider fees, state grants, foundation grants, etc).

More information, including the application materials, is available on:

http://healthit.hhs.gov/portal/server.pt?open=512&objID=1335&parentname=CommunityPage&parentid=3&mode=2&in_hi_userid=10741&cached=true

Highlights of Competitive Grant Opportunities at Federal Agencies

Agency: Department of Agriculture
Cooperative State Research, Education, Extension Service

Program: Interregional Research Project #4 Minor Crop Pest Management Program (IR-4) Grant

Description: The primary goal of the IR-4 program is to provide safe, effective and economical pest management solutions for growers of minor/specialty crops. Successful applicants will demonstrate the capacity and commitment required to accelerate the registration of newer, reduced risk pest management tools; expedite access to these pest management tools for minor/specialty crop growers, and conduct efficacy research to identify new and more effective minor/specialty crop pest management solutions. The FY 2010 IR-4 Program will fund four geographically-based IR-4 Regional Centers and an IR-4 National Headquarters.

Due Date: 11/30/2009

Funding: Total Funding: \$11,000,000; Award Ceiling: \$4,000,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49892>

Agency: Department of Agriculture
Cooperative State Research, Education, Extension Service

Program: Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge Grants Grant

Description: The Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge Grants program seeks to: (a) promote and strengthen secondary education and two-year postsecondary education in agriscience and agribusiness in order to help ensure the existence in the United States of a qualified workforce to serve the food and agricultural sciences system; and (b) promote complementary and synergistic linkages among secondary, two-year postsecondary, and higher education programs in the food and agricultural sciences in order to advance excellence in education and encourage more young Americans to pursue and complete a baccalaureate or higher degree in the food and agricultural sciences.

Due Date: 1/15/2010

Funding: Total Award: \$1,000,000; Award Ceiling: \$50,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49638>

Agency: Department of Defense
Department of the Army - USAMRAA

Program: Peer Reviewed Orthopaedic (PRORP) Career Development Award Grant

Description: The PRORP Career Development Award supports a mentored research experience to prepare military investigators without significant experience in orthopaedic research for a productive, independent career in this field. This award supports individuals in the early stages of their careers by providing the experience necessary to pursue career opportunities at the forefront of orthopaedic research and make significant contributions to combat-relevant orthopaedic research and/or clinical care.

Due Date: 12/9/2009

Funding: \$1,750,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49414>

Agency: Department of Defense

Program: Breast Cancer Research Program Era of Hope Scholar Award

Description: The Era of Hope Scholar Award supports individuals who have high potential for innovation in breast cancer research early in their careers. Nominees for this award should be exceptionally talented, early-career scientists who have demonstrated that they are the “best and brightest” in their field(s) through extraordinary creativity, vision, and productivity.

Due Date: 11/18/09

Funding: \$2.5 million

Website: http://cdmrp.army.mil/funding/archive/09bcrpeohs2_pa.pdf

Agency: Department of Defense

Program: Breast Cancer Research Program Postdoctoral Fellowship Award

Description: Postdoctoral Fellowship Award supports exceptionally talented recent medical or other doctoral graduates in their pursuit of innovative, high-impact breast cancer research during their postdoctoral training and allows them to obtain the necessary experience for an independent career at the forefront of breast cancer research. Candidates for this award should exhibit a strong desire to pursue a career in breast cancer research.

Due Date: 11/18/09

Funding: \$300,000

Website: http://cdmrp.army.mil/funding/archive/09bcrppostdoc2_pa.pdf

Agency: Department of Defense
Department of the Army - USAMRAA

Program: Lung Cancer Biospecimen Resource Network Award Grant

Description: This award is intended to provide infrastructure support for the development of a lung cancer biospecimen resource that will facilitate the collection, processing, annotation, storage, and distribution of high-quality human lung cancer biospecimens through a collaborative network across multiple institutions. The LCBRN will consist of a Coordinating Center that will also function as a biospecimen resource site and a minimum of two additional Biospecimen Resource Sites that will be jointly responsible for developing the biospecimen resource network for lung cancer research. The Coordinating Center and Biospecimen Resource Sites must submit a single application.

Due Date: 1/6/2010

Funding: \$3,800,000

Website:
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=4942>
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Agency: Department of Defense
Department of the Army - USAMRAA

Program: Peer Reviewed Orthopaedic Clinical Consortium Award Grant

Description: The intent of the award is to fund clinical studies focused on improving the outcomes of severe musculoskeletal injuries commonly associated with military combat. The main objective of this Consortium Award is to address questions that have not previously been answered because funding was not available to establish large multi-site clinical trials with appropriate statistical power. The award is designed to combine the population of military orthopaedic trauma patients and the combat-relevant expertise of the specified military treatment facilities with the patient populations and research expertise of highly qualified civilian orthopaedic trauma departments at outstanding institutions.

Due Date: 1/11/2010

Funding: \$46,500,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49715>

Agency: Department of Defense
Department of the Army - USAMRAA

Program: Bone Marrow Failure Hypothesis Development Awards

Description: This award is intended to support innovative ideas and high-impact approaches to bone marrow failure research to move toward the BMFRP vision of understanding and curing bone marrow failure disease. This award mechanism is designed to support new ideas, not ideas that are extensions of existing work. Proposals should have a high probability of revealing new avenues of investigation.

Due Date: 1/14/2010

Funding: \$1,100,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=48819>

Agency: Department of Defense
Department of the Army - USAMRAA

Program: Bone Marrow Failure Synergistic Idea Award Grant

Description: This award is intended to support innovative ideas and synergistic approaches to bone marrow failure research through scientific collaborative partnerships. This award mechanism is designed to support new ideas, not ideas that are extensions of existing collaborative efforts. Collaborative partnerships must involve two principle investigators who will use synergistic and complementary perspectives to address a central

problem or question in bone marrow failure research. While not required, new collaborations are strongly encouraged.

Due Date: 1/14/2010

Funding: \$2,300,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=48820>

Agency: Department of Energy
Chicago Service Center

Program: Computational Biology and Bioinformatic Methods to Enable a Systems Biology Knowledgebase Grant

Description: The Office of Biological and Environmental Research announces its interest in receiving applications for potential funding of computational biology and bioinformatic methods and analytics to enable the planned Systems Biology Knowledgebase. The goal of systems biology is to understand living systems, a simple microbe or a complex ecosystem, so well that we can develop predictive, computational models of the systems that "behave" the same way as the living system. Such predictive models would enable scientists to accurately predict an organism's or a more complex system's behavior.

Due Date: 1/29/2010

Funding: Unknown

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49272>

Agency: Department of Energy
National Energy Technology Laboratory

Program: Support of Advanced Coal Research at U.S. Colleges and Universities (UCR) Grant

Description: The National Energy Technology Laboratory seeks applications for the UCR Program. To develop and sustain a national program of university research that advances the previous stated objectives, the Department of Energy is interested in innovative and fundamental research pertinent to coal conversion and utilization.

Due Date: 11/24/2009

Funding: \$2,041,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&opId=49877>

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

Program: Blueprint for Neuroscience Research Competitive Revisions for Studies Focused on Neuropathic Pain or Neural Plasticity to Promote Collaborative Pain Research Grant

Description: This announcement is issued as an initiative of the NIH Blueprint for Neuroscience Research. The Neuroscience Blueprint is a collaborative framework through which 16 NIH Institutes, Centers and Offices jointly support neuroscience-related research, with the aim of accelerating discoveries and reducing the burden of nervous system disorders. The goal of this announcement is to facilitate the partnering of pain scientists and non-pain neuroscientists from the field of neural plasticity to capture insights and expertise from disciplines where transitions from health to disease have been extensively examined. The purpose of this announcement is to encourage the submission of competitive revision applications that propose a collaborative, one year pilot study or a new specific aim associated with an active NIH grant.

Due Date: 11/23/2009

Funding: See announcement

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&opId=49613>

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

Program: Exceptional, Unconventional Research Enabling Knowledge Acceleration (R01) Grant

Description: This announcement solicits Research Project Grant (R01) applications from institutions/organizations proposing exceptionally innovative research on novel hypotheses or difficult problems, solutions to which would have an extremely high impact on biomedical or biobehavioral research that is germane to the mission of one or more of the participating NIH Institutes. This announcement is for support of new projects, not continuation of projects that have already been initiated. It does not support pilot projects, i.e., projects of limited scope that are designed primarily to generate data that will enable the principal investigator to seek other funding.

Due Date: 11/24/2009

Funding: \$250,000 per award

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&opId=49572>

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

Program: Targeted Library Synthesis and Screening at Novel Targets for Potential Drug Addiction Treatments and Research Tools (R21/R33) Grant

Description: This announcement, issued by the National Institute on Drug Abuse, National Institutes of Health, solicits research applications from institutions/organizations that propose to promote the discovery of novel

medications through the use of targeted library synthesis and screening for drug addiction treatment, as well as the discovery of CNS-active research tools for medication target validation in animal models of drug addiction.

Due Date: 12/4/2009

Funding: \$250,000 per award

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49569>

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

Program: Biobehavioral Research Awards for Innovative New Scientists (R01)
Grant

Description: The Biobehavioral Research Awards for Innovative New Scientists award is intended to support the research and research career development of outstanding scientists who are in the early, formative stages of their careers and who plan to make a long term career commitment to research in specific mission areas of the National Institute of Mental Health. This award seeks to assist these individuals in launching an innovative clinical, translational, basic or services research program that holds the potential to profoundly transform the understanding, diagnosis, treatment, or prevention of mental disorders.

Due Date: 12/9/2009

Funding: Total Funding: \$5,000,000; Award Ceiling: \$400,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49736>

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

Program: Morris K. Udall Centers of Excellence for Parkinsons Disease Research (P50) Grant

Description: The National Institute of Neurological Disorders and Stroke invites new and competing renewal applications for the Morris K. Udall Centers of Excellence for Parkinsons Disease Research program. Proposed Centers must involve multidisciplinary teams engaged in integrative basic, translational and clinical research on Parkinsons disease, with the primary objective of transforming this research into the development of new treatments. The Udall Center Director must be an established leader in scientific research with visionary leadership skills and proven expertise in research project and personnel management. Eligible institutions must demonstrate commitment to and support for the establishment and continuation of the proposed Udall Center. Successful applicants will participate in a network of existing Udall Centers to foster the translation of new scientific findings and technological developments into novel treatments for Parkinsons Disease.

Due Date: 12/10/2009

Funding: \$9,000,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49784>

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

Program: Nathan Shock Centers Of Excellence in Basic Biology of Aging (P30) Grant

Description: The National Institute on Aging (NIA) invites applications for support of the Nathan Shock Centers of Excellence in Basic Biology of Aging. These Center grants will provide funding for research and training activities that belong within the areas supported by the Division of Aging Biology of the NIA. They are intended for institutions that can demonstrate a substantial current investment in and commitment to research on the

basic biology of aging, but they are not intended to support the principal investigators research directly, nor clinical research or clinical trials

Due Date: 12/11/2009

Funding: Total Funding \$4,000,000; Award Ceiling: \$800,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49716>

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

Program: Comparing Design Approaches for Sequencing Disease-Associated Regions found in Genome-Wide Association Studies (U01) Grant

Description: To gain insight into optimal study for gene sequencing, National Human Genome Research Institute will support several studies to sequence association regions completely in large Genome-wide association (GWA) studies cohorts to provide standard datasets and analyses that the research community can use to study how to design sequencing studies to follow up Genome-wide association studies findings. This announcement solicits applications from investigators with well-replicated disease associations to nominate association regions for sequencing and analysis and to provide a sufficient number of samples with genotype, phenotype, and exposure datasets from completed GWA studies.

Due Date: 12/11/2009

Funding: Total Funding: \$750,000; Award Ceiling: \$150,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49777>

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

Program: Pathway to Independence Award in Cancer Nanotechnology Research (K99/R00) Grant

Description: This announcement, issued by the National Cancer Institute (NCI), solicits applications for the Pathway to Independence Award (K99/R00) in Cancer Nanotechnology Research. The primary purpose of this award program is to increase and maintain a strong cohort of new talented investigators focused on research in cancer nanotechnology. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent research support at an earlier stage than is currently the norm.

Due Date: 12/17/2009

Funding: \$2,000,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49835>

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

Program: Increasing the Service Life of Dental Resin Composites (R01) Grant

Description: The long term goal of this initiative is to increase the service life of dental resin composite restorations. The objective of this initiative is to better understand how degradation due to either physical and environmental factors and/or the composition of dental resin composites interacting with the biofilm in the oral cavity facilitates the development of secondary decay. This initiative will stimulate multidisciplinary research to develop methods to assess the clinical success of dental resin composite materials as a restorative material, and encourage research for improving this material and/or for the development of new restorative materials.

Due Date: 1/4/2010

Funding: Total: \$3,000,000; Award Ceiling: \$250,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49281>

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

Program: The Biology of Estrogen Receptor-Negative Breast Cancer in Various Racial and Ethnic Groups (U01) Grant

Description: The purpose of this announcement is to promote the systematic study of the biology of estrogen receptor-negative human breast cancers, the characterization of their molecular features, the signaling pathways and networks that support their growth, as well as to identify differences in the biology of estrogen receptor (ER)-negative breast tumors among racial and ethnic groups. The National Cancer Institute solicits applications from collaborative teams of interdisciplinary investigators focused on characterizing the biologic drivers, including genetic, epigenetic, molecular, and cellular factors, of ER-negative human breast cancer development and progression.

Due Date: 1/5/2010

Funding: Total: \$2,000,000; Award Total: \$667,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49073>

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

Program: Exploratory/Developmental Bioengineering Research Grants (R21)

Description: This announcement is intended to encourage innovation and high impact research. While minimal or no preliminary data are expected to be described in the application, applications should clearly indicate the significance of the proposed work and that the proposed research and/or

development is scientifically sound, that the qualifications of the investigators are appropriate, and that resources available to the investigators are adequate. The research proposed under this program can explore approaches and concepts new to a particular substantive area; research and development of new technologies, techniques or methods; or initial research and development of data upon which significant future research may be built.

Due Date: 1/7/2010

Funding: \$200,000 per award

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=43705>

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

Program: Bioengineering Nanotechnology Initiative Grant

Description: The purpose of this trans-NIH announcement is to stimulate Small Business Technology Transfer grant applications that employ nanotechnology to enable the development of diagnostics and interventions for treating diseases.

Due Date: 1/7/2010

Funding: Unknown

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49734>

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

Program: Functional Modeling of Pediatric Upper Airway Disorders (R01) Grant

Description: The National Heart, Lung, and Blood Institute (NHLBI) solicits grant applications from institutions/organizations to participate in a new NHLBI program on Functional Modeling of Pediatric Upper Airway Disorders. The objective is to identify the biological and structural components limiting airflow in congenital or acquired disorders of the pediatric upper airway (infant to adolescent). This program will require collaborations among experts in computational modeling (mathematicians/bioengineers) with clinician scientists (e.g. pulmonologists, otolaryngologists, craniofacial surgeons, and/or radiologists). Only human studies will be supported.

Due Date: 1/12/2010

Funding: Total Award: \$5,000,000; Award Ceiling: \$650,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49625>

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

Program: Biosignature Discovery for Personalized Treatment in Depression (U01) Grant

Description: The purpose of this initiative is to support exploratory research to discover panels of promising biomarkers (i.e., biosignatures) that are predictive of treatment outcomes in major depressive disorder.

Due Date: 1/13/2010

Funding: \$6,000,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49463>

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

Program: Dynamics of Host-Associated Microbial Communities (R01) Grant

Description: This announcement issued by the National Institute of General Medical Sciences solicits applications that propose genetic, physiological, and ecological studies designed to reveal the basic principles and mechanisms that govern the symbiotic systems dynamics of microbial communities.

Due Date: 1/15/2010

Funding: Total: \$2,500,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49178>

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

Program: Cellular and Molecular Mechanisms of Arterial Stiffening and Its Relationship to Development of Hypertension (R01) Grant

Description: The National Heart, Lung, and Blood Institute invites grant applications that propose basic physiological, cellular and molecular investigations to elucidate the mechanisms that lead to conduit artery stiffening in the context of hypertension and explore the temporal relationship between arterial stiffening and the development of hypertension in animal models.

Due Date: 1/20/2010

Funding: Total Funding: \$16,000,000; Award Ceiling: \$250,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49898>

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

Program: National Heart, Lung and Blood Institute Cardiovascular Outcomes
Research Coordinating Unit (U01) Grant

Description: The National Heart, Lung and Blood Institute (NHLBI) solicits four-year cooperative agreement (U01) grant applications from institutions/organizations to serve as the Research Coordinating Unit for the Centers for Cardiovascular Outcomes Research. The Centers will conduct cardiovascular outcomes and comparative effectiveness research that focuses on patient and clinician-relevant outcomes of healthcare and the determinants of these outcomes. Each CCOR will conduct 1-2 research projects in which multidisciplinary teams focusing on measuring, evaluating, and improving outcomes of cardiovascular care delivery across the care continuum.

Due Date: 1/21/2010

Funding: Total Funding: \$800,000; Award Ceiling: \$500,000

Website:
<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49906>

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

Program: Lung Transplantation: Planning Grants for Clinical Trials of Novel
Therapies (R34) Grant

Description: The National Heart, Lung, and Blood Institute (NHLBI) invites applications to support the initial organization, protocol development, and necessary preliminary studies critical for the design of robust clinical trials in lung transplantation. This announcement should be used to position investigators or groups of investigators to develop competitive clinical trials to test important new strategies to enhance the quality of lungs available for transplant and improve management and long term outcomes of lung transplant recipients. Of most importance, the NHLBI anticipates that the R34 award period will yield competitive investigator-initiated clinical trial grant applications that evaluate interventions for the treatment of complications during and after lung transplantation.

Due Date: 2/3/2010

Funding: Total Funding: \$1,500,000; Award Ceiling: \$450,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49687>

Agency: Department of State
Bureau of Educational and Cultural Affairs

Program: FY-2010 Study of the United States Institutes for Scholars Grant

Description: The Branch for the Study of the United States, Office of Academic Exchange Programs, Bureau of Educational and Cultural Affairs, invites proposal submissions for the design and implementation of three Study of the United States Institutes to take place over the course of six weeks beginning in June 2010. These Institutes should provide a multinational group of experienced educators with a deeper understanding of U.S. society, culture, values, and institutions. Two of these Institutes will be for groups of 18 foreign university level faculty, focusing on U.S. Culture and Society, and Journalism and Media. The third Institute will be a general survey course on the study of the United States for a group of 30 foreign secondary educators. Applicants may propose to host only one Institute listed under this competition.

Due Date: 12/3/2009

Funding: Total Funding: \$920,000; Award Ceiling: \$360,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49704>

Agency: Environmental Protection Agency

Program: 2010 Academic Year EPA Greater Research Opportunities (GRO)
Fellowships for Undergraduate Environmental Study Grant

Description: The EPA, as part of its GRO program, is offering up to 30 undergraduate fellowships for bachelor level students in environmental fields of study. Eligible students will receive support for their junior and

senior years of undergraduate study and for an internship at an EPA facility during the summer between their junior and senior years. The fellowship provides up to \$19,250 per year of academic support and up to \$8,000 of internship support for a three-month summer period.

Due Date: 12/10/2009

Funding: Total: \$1,395,000; Award Ceiling: \$46,500

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49442>

Agency: Environmental Protection Agency

Program: 7th Annual P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet (P3) Grant

Description: The EPA, as part of the P3 Award Program, is seeking applications proposing to research, develop, and design solutions to real world challenges involving the overall sustainability of human society. The P3 competition highlights the use of scientific principles in creating innovative projects focused on sustainability to achieve economic prosperity, protection of the planet, and improved quality of life for its people.

Due Date: 1/4/2010

Funding: Total: \$850,000; Award Ceiling: \$10,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49241>

Agency: Environmental Protection Agency

Program: Approaches to Assessing Potential Food Allergy from Genetically Engineered Plants Grant

Description: The EPA, as part of its Science to Achieve Results program, is issuing this request for applications for applied research on innovative or improved methods to predict whether or not a pesticide protein is a food allergen. Research to characterize the key factors that influence human immune responses to dietary proteins is needed in order to better assess potential food allergy from genetically engineered plants. The research will contribute to improved methods for assessing the potential dietary allergenicity of pesticide proteins in genetically engineered plants.

Due Date: 1/7/2010

Funding: Total Funding: \$1,700,000; Award Ceiling: \$425,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49776>

Agency: National Science Foundation

Program: Ocean Bottom Seismic Instrument Pools (OBSIP) Management Office Grant

Description: To provide the large number of instruments needed to maintain the necessary technical capability and provide access to Ocean-Bottom Seismic Instruments for a broad user community, the Ocean-Bottom Seismic Instrument Pools were established in 1999. In light of the continuing demand for ocean bottom seismometers, the Marine Geology and Geophysics Program of OCE invites proposals to establish a Management Office for OBSIP.

Due Date: 1/4/2010

Funding: \$3,600,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49710>

Agency: National Science Foundation

Program: Building Engineered Complex Systems Grant

Description: The Directorate for Engineering and the Division of Mathematical Sciences in the Directorate for Mathematical and Physical Sciences at the National Science Foundation are collaborating in this solicitation to provide "seed funding" for small teams of innovative engineers and mathematical scientists (mathematicians or statisticians) to seek and develop a theoretical basis of complex systems, with the aim of developing formal methods for the design of engineered complex systems.

Due Date: 1/19/2010

Funding: \$4,000,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49616>

Agency: National Science Foundation

Program: Cognitive Neuroscience Grant

Description: The Cognitive Neuroscience Program seeks highly innovative and interdisciplinary proposals aimed at advancing a rigorous understanding of how the human brain supports thought, perception, affect, action, social processes, and other aspects of cognition and behavior, including how such processes develop and change in the brain and through time.

Due Date: 1/24/2010

Funding: \$8,000,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=47844>

Agency: National Science Foundation

Program: Plant Genome Research Program Grant

Description: This program is a continuation of the Plant Genome Research Program that began in FY 1998 as part of the National Plant Genome

Initiative (NPGI). The goal of the NPGI is to develop a basic knowledge of the structures and functions of plant genomes and translate this knowledge to a comprehensive understanding of all aspects of economically important plants and plant processes of potential economic value. Four kinds of activity will be supported in FY 2010: (1) Genome-Enabled Plant Research; (2) Transferring Research from Model Systems; (3) Tools and Resources for Plant Genome Research; and (4) Comparative Plant Genome Sequencing.

Due Date: 1/26/2010

Funding: Total Award: \$20,000,000; Award Ceiling: \$10,000,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49618>

Agency: National Science Foundation

Program: International Collaboration in Chemistry between US Investigators and their Counterparts Abroad Grant

Description: The National Science Foundation seeks to enhance opportunities for collaborative activities between U.S. and foreign investigators. To realize this goal, the Division of Chemistry at NSF has partnered with the Deutsche Forschungsgemeinschaft, the Fonds zur der wissenschaftlichen Forschung of Austria, the Engineering and Physical Sciences Research Council of the United Kingdom, the National Natural Science Foundation of China, the Agence Nationale de la Recherche of France, Japan Society for the Promotion of Science, the Russian Foundation for Basic Research, Poland Ministry of Science and Higher Education, the Fonds National de la Recherche of Luxembourg and Spain Ministerio de Ciencia e Innovacion. The program seeks new and highly innovative 3-year collaborative projects that break new ground and demonstrate a high level of synergy between the collaborating investigators.

Due Date: 1/29/2010

Funding: Total: \$15,000,000; Award Ceiling: \$700,000

Website:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppld=49280>

