

Office of Research Newsletter – April 4, 2014

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Part I. News and Announcements

Partnerships for International Research and Education (PIRE)

Partnerships for International Research and Education (PIRE) is an NSF-wide program that supports international activities across all NSF supported disciplines. The next PIRE solicitation will be announced in the June, 2014 time period. Awards will be made in the August-September 2015 time period.

The primary goal of PIRE is to support high quality projects in which advances in research and education could not occur without international collaboration. PIRE seeks to catalyze a higher level of international engagement in the U.S. science and engineering community. International partnerships are essential to addressing critical science and engineering problems. In the global context, U.S. researchers and educators must be able to operate effectively in teams with partners from different nations and cultural backgrounds. PIRE promotes excellence in science and engineering through international collaboration and facilitates development of a diverse, globally-engaged, U.S. science and engineering workforce.

More at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12819

NIH Fiscal Year 2015 Budget Request

Francis Collins, M.D., Ph.D., Director of the National Institutes of Health appeared before the Senate Subcommittee on Labor – HHS – Education Appropriations on Wednesday, April 2, 2014 discussing the FY 2015 NIH budget request. The budget request is \$30.362 billion, \$211 million, or 0.7 percent, above the FY 2014 level. Within the FY 2015 budget, NIH will continue to increase Research Project Grants (RPGs), NIH's funding mechanism for investigator-initiated

research. NIH expects to support 9,326 new and competing RPGs in FY 2015, an increase of 329 over FY 2014 levels. For FY 2015, NIH anticipates funding a total of 34,197 RPGs. In his presentation, Dr. Collins highlighted some major NIH programs including [the Brain Research through Advancing Innovative Neurotechnologies \(BRAIN\) Initiative](#), [the Big Data to Knowledge \(BD2K\) Initiative](#), the Accelerating Medicines Partnership (AMP), a universal flu vaccine, and cancer immunotherapy.

More at <http://www.nih.gov/about/director/budgetrequest/fy2015testimony.htm>

A Weekly Newsletter from DOE Office of Energy Efficiency and Renewable Energy (EERE): <http://apps1.eere.energy.gov/news/enn.cfm>

MARK YOUR CALENDAR

Save the Date - Rensselaer-Mount Sinai Symposium on Regenerative Medicine May 2, 2014, 1-5 PM , Hatch Auditorium

Please save the date for the Symposium that will highlight collaborative opportunities in regenerative medicine between Mount Sinai and Rensselaer focused on biomaterials, stem cells, medical devices, artificial organs and drug delivery. A detailed program and invitation will follow.

May 6-8, 2014, Wilmington, Delaware

The 16th Meeting of the Symposium on Polymers for Microelectronics

More at <http://www.symposiumonpolymers.com/>

May 20-21, 2014, USDA Conference & Training Center, Patriots Plaza III, 355 E Street, SW, Washington, DC 20024

USDA will be organizing a “Cellulose Nanomaterial – A Path Towards Commercialization” workshop in collaboration with and co-sponsored by the National Nanotechnology Initiative (NNI). This workshop will bring together high level executives from government and multiple industrial sectors to identify pathways for the commercialization of cellulose nanomaterials and facilitate communication across industry sectors to determine common challenges.

The primary goal of the workshop is to identify the critical information gaps and technical barriers in the commercialization of cellulose nanomaterials with expert input from user communities. The workshop also supports the announcement last December by USDA Secretary Thomas Vilsack regarding the formation of a public-private partnership between the USDA Forest Service and the U.S. Endowment for Forestry and Communities to rapidly advance the commercialization of cellulose nanomaterials. In addition, the workshop supports the goals of the NNI Sustainable Nanomanufacturing Signature Initiative.

More at <http://www.nano.gov/ncworkshop>

June 30-July 2, 2014, Boston, MA

CSP Symposium at ASME 2014 8th International Conference on Energy Sustainability

More at <http://www.asmeconferences.org/ESFuelCell2014/TechnicalTracks.cfm>

August 17-21, 2014, San Diego, CA

Solar Energy + Technology 2014 Symposium

More at <http://spie.org/x13194.xml>

Part II. Funding Opportunities

DOD

Advance Development of a Broad Spectrum Medical Countermeasure

https://www.fbo.gov/index?s=opportunity&mode=form&id=ae1846550b697be1b35990bb6643cb98&tab=core&_cvview=0

May 5, 2014

DOD Amyotrophic Lateral Sclerosis Therapeutic Development Award

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=253269>

Pre-Application Due Date: May 13, 2014

DOD Amyotrophic Lateral Sclerosis Therapeutic Idea Award

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=253270>

Pre-Application Due Date: May 13, 2014

DOD Bone Marrow Failure Idea Development Award

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=253173>

Pre-Application Due Date: May 13, 2014

DOD Breast Cancer Breakthrough Award Levels 1 and 2 Grant

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=253179>

Pre-Application Due Date: May 14, 2014

DOD Breast Cancer Breakthrough Award Levels 3 and 4 Grant

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=253180>

Pre-Application Due Date: May 14, 2014

DOD Breast Cancer Innovator Award

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=253181>

Pre-Application Due Date: May 14, 2014

DOD Breast Cancer Era of Hope Scholar Award

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=253182>

Pre-Application Due Date: August 1, 2014

AFRL

Technologies for Airfield Protection and Installation Resiliency

https://www.fbo.gov/index?s=opportunity&mode=form&id=849f5cb3cf294443c7defa5b59f36d67&tab=core&_cview=0

May 1, 2014

DARPA

Laser UV Sources for Tactical Efficient Raman (LUSTER) Modification 1

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=252500>

Abstract Due Date: April 11, 2014. Proposal Due Date: June 25, 2014

DOE

Opportunities, Knowledge Gaps, and Technology Improvements for Increased Carbon Dioxide Storage in Enhanced Oil Recovery Operations

<https://www.fedconnect.net/fedconnect/?doc=DE-FOA-0001110&agency=DOE>

April 24, 2014

Research, Development and Training in Isotope Production

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=253061>

May 23, 2014

NIH

Physical Sciences-Oncology Network (PS-ON): Physical Sciences-Oncology Centers (PS-OC) (U54)

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-169.html>

LOI Due Dates: May 9, 2014; January 15, 2015; October 14, 2015. Application Due Dates: June 9, 2014; February 26, 2015; November 25, 2015

Development of Clinically Relevant In Vitro Performance Test for Generic OIDs: Physiologically Relevant Models for Aerodynamic Particle Size Distribution Analysis (U01)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-022.html>

June 1, 2014

Evaluation of In Vitro Release Methods for Liposomal Drug Products (U01)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-016.html>

June 1, 2014

Innovative Programs to Enhance Research Training (IPERT) (R25)

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-170.html>

June 9, 2014; January 25, 2015; January 25, 2016

NSF

U.S. Science Support Program Associated with the International Ocean Discovery Program (USSSP-IODP)

http://www.nsf.gov/pubs/2014/nsf14549/nsf14549.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

June 30, 2014

Geomorphology and Land Use Dynamics

<http://www.nsf.gov/pubs/2014/nsf14550/nsf14550.htm>

July 16, 2014; July 16, Annually Thereafter; January 16, 2015; January 16, Annually Thereafter

DOT

Pre-solicitation: Experimental and Mathematical Biomechanics Injury Research

https://www.fbo.gov/index?s=opportunity&mode=form&id=a39eba90fe51668cc47f7ed1b42cfe65&tab=core&_cview=0

Proposal Due Date TBD

NEH

Digital Projects for the Public

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=253210>

June 11, 2014

Bridging Cultures through Film

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=253211>

June 11, 2014

NEH/DFG Bilateral Digital Humanities Program

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=253212>

September 25, 2014

Foundations

L'Oréal USA for Women in Science Fellowship Program

<https://lorealfwis.aaas.org/login/indexA.cfm>

May 19, 2014

The L'Oréal USA for Women in Science fellowship program will award five post-doctoral women scientists in the United States this year with grants of up to \$60,000 each. The program recognizes and rewards the contributions women make in the STEM fields and identifies exceptional women researchers committed to serving as role models for younger generations. More than 2,000 women scientists in over 100 countries have been recognized since the program began in 1998. Applicants are welcome from a variety of fields, including the

life and physical/material sciences, technology (including computer science), engineering, and mathematics.

More information on the L'Oréal USA For Women in Science program can be found at www.lorealusa.com/forwomeninscience.

Please note that this bulletin is not intended to be an exhaustive listing of funding opportunities. Your input and feedback are always welcome. Please send your comments and requests to be removed from the distribution list to huangj7@rpi.edu.