

# Office of Research Newsletter – March 28, 2014

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## ***Part I. News and Announcements***

### **Reminder: NSF Limited Solicitation: Nanotechnology Undergraduate Education (NUE) in Engineering**

This solicitation aims at introducing nanoscale science, engineering, and technology through a variety of interdisciplinary approaches into undergraduate engineering education. The focus of the FY 2014 competition is on nanoscale engineering education with relevance to devices and systems and/or on the societal, ethical, economic and/or environmental issues relevant to nanotechnology.

Only one proposal may be submitted by a US academic institution as the lead institution with the exception that a US academic institution may submit a second proposal as the lead institution, only if it is focused on the societal, ethical, economic and/or environmental issues relevant to nanotechnology.

If you are interested in applying, please inform Dr. Jack Huang in the Office of Research no later than April 4.

The solicitation is available at

[http://www.nsf.gov/pubs/2014/nsf14541/nsf14541.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2014/nsf14541/nsf14541.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

In addition, three NSF limited solicitations were announced recently. Please email [huangj7@rpi.edu](mailto:huangj7@rpi.edu) if you are likely to submit to the programs.

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

***MARK YOUR CALENDAR***

**April 1, 2014, Washington, DC**

*Big Data, Life Sciences, & National security*

Big data and analytics are increasingly becoming vital components in the pursuit of advanced applications for scientific knowledge development, health care analyses, and global health security. Big data and analytics in the biological sciences might also present risks and unique challenges to national and international security. This event will bring together scientists across a range of disciplines, security professionals, and science and security policy experts to explore ways to leverage the beneficial applications and identify potential risks of big data and analytics to biological security.

More at <http://www.aaas.org/event/big-data-life-sciences-and-national-security>

**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***

### ***AFRL***

**Armament Technology BAA**

[https://www.fbo.gov/index?s=opportunity&mode=form&id=7b39ce8ebdbccbc2be81295c7d48010e&tab=core&\\_cview=0](https://www.fbo.gov/index?s=opportunity&mode=form&id=7b39ce8ebdbccbc2be81295c7d48010e&tab=core&_cview=0)

March 31, 2015

### ***DARPA***

**Tactical Boost Glide**

[https://www.fbo.gov/index?s=opportunity&mode=form&id=4df5844a3f86c914bfe8a87ef2915038&tab=core&\\_cview=0](https://www.fbo.gov/index?s=opportunity&mode=form&id=4df5844a3f86c914bfe8a87ef2915038&tab=core&_cview=0)

May 9, 2014

### ***DOE***

**Notice of Intent to Issue Water Power Manufacturing**

<https://eere-exchange.energy.gov/#FoaIdedfc902b-b407-4d03-a119-bd7e1d5cf802>

**Notice of Intent to Issue Alternative Fuel Vehicle Deployment Initiatives**

<https://eere-exchange.energy.gov/#FoaId220c7e97-7abe-4c30-80d7-73f478fa60cd>

**Notice of Intent to Issue FOA: Marine and Hydrokinetic R&D University Consortium**

<https://eere-exchange.energy.gov/#FoaIdb7d33579-bedf-4404-9e72-c6adbb4c5342>

### ***NASA***

**Asteroid Redirect Mission Broad Agency Announcement**

<http://go.nasa.gov/1jhiPXs>

NOI Due Date: April 4, 2014

**2014 NASA Research Announcement - Educator Professional Development Grant**

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=252869>

June 18, 2014

***NIH***

**NIH Blueprint Program for Enhancing Neuroscience Diversity through Undergraduate Research Education Experiences (R25)**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-14-010.html>

LOI Due Date: April 28, 2014. Application Due Date: May 28, 2014

**Dissolution Methods for Suspension and Emulsion Ocular Drug Products**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-009.html>

May 7, 2014

**High Impact Neuroscience Research Resource Grants (R24)**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-14-006.html>

LOI Due Date: May 23, 2014. Application Due Date: June 23, 2014

**Effects of Cannabis Use and Cannabinoids on the Developing Brain (R01)**

<http://grants.nih.gov/grants/guide/pa-files/PA-14-163.html>

June 5, 2014

**Effects of Cannabis Use and Cannabinoids on the Developing Brain (R03)**

<http://grants.nih.gov/grants/guide/pa-files/PA-14-164.html>

June 16, 2014

**Targeting Latently Infected Cells Without Reactivation (R01)**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-021.html>

LOI Due Date: June 15, 2014. Application Due Date: July 15, 2014

**Effects of Cannabis Use and Cannabinoids on the Developing Brain (R21)**

<http://grants.nih.gov/grants/guide/pa-files/PA-14-162.html>

June 16, 2014

**Leveraging a Recovery Act Resource to Accelerate Research on Neurodevelopment (R01)**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-400.html>

LOI Due Date: August 3, 2014. Application Due Date: September 3, 2014

**Notice of Intent to Publish a Funding Opportunity Announcement for Cancer Nanotechnology Research Platforms (U01)**

<http://grants.nih.gov/grants/guide/notice-files/NOT-CA-14-037.html>

Estimated Publication Date of Announcement: Spring 2014

**Notice of Intent to Publish a Funding Opportunity Announcement for Centers of Cancer Nanotechnology Excellence (U54)**

<http://grants.nih.gov/grants/guide/notice-files/NOT-CA-14-033.html>

Estimated Publication Date of Announcement: Summer 2014

**Notice of Intent to Publish a Funding Opportunity Announcement for Nathan Shock Centers of Excellence in Basic Biology of Aging (P30)**

<http://grants.nih.gov/grants/guide/notice-files/NOT-AG-14-014.html>

Estimated Publication Date of Announcement: July 2014

***NSF***

**Dear Colleague Letter: Research Experiences for Undergraduates (REU) Supplemental Funding**

[http://www.nsf.gov/pubs/2014/nsf14055/nsf14055.jsp?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2014/nsf14055/nsf14055.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click)

**Limited Solicitation: Research Traineeship (NRT) Program**

[http://www.nsf.gov/pubs/2014/nsf14548/nsf14548.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2014/nsf14548/nsf14548.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

LOI Due Date: May 20, 2014. Full Proposal Due Date: June 24, 2014

**Limited Solicitation: Cultivating Cultures for Ethical STEM**

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=252789>

June 17, 2014; February 17, 2015; February 16, 2016; February 15, 2017; February 15, 2018

**Limited Solicitation: Innovation Corps Sites Program**

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=252947>

June 27, 2014; June 9, 2015; Second Tuesday in June, Annually Thereafter

***DOC***

**FY 2014 - 2015 Broad Agency Announcement (BAA)**

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=249066>

September 30, 2015

***NRC***

**Pre-solicitation: Evaluation of Heat Treatment for U-Bend Steam Generator Tubes**

[https://www.fbo.gov/index?s=opportunity&mode=form&id=fd7d7b08c023cd2eb97167e159751cf&tab=core&\\_cview=0](https://www.fbo.gov/index?s=opportunity&mode=form&id=fd7d7b08c023cd2eb97167e159751cf&tab=core&_cview=0)

Proposal Due Date TBD

***USDA***

**Conservation Innovation Grants Fiscal Year (FY) 2014 Announcement**

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=252946>

April 30, 2014

**Methyl Bromide Transitions**

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=252812>

May 6, 2014

*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](mailto:huangj7@rpi.edu).*