

Office of Research Newsletter – November 21, 2014

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Part I. News and Announcements

NSF Dear Colleague Letter: Seeking Community Input for Topic Ideas for Emerging Frontiers in Research and Innovation (EFRI)

The purpose of the Dear Colleague Letter (DCL) is to invite the research community to submit suggestions for Topic Ideas to be considered for the FY 2016 Emerging Frontiers in Research and Innovation (EFRI) Program Solicitation. Suggestions for EFRI Topic Ideas are currently solicited and vetted every two years. Selected Topics become the foci of EFRI-supported research. Solicitations are announced annually for research proposals that fall under the specified Topic areas. NSF plans to invite up to ten submitters to NSF for further discussions on their proposed topic. Those selected submitters will be notified in January 2015 and will be invited to come to NSF in February 2015.

This DCL is not a request for submission of a single research proposal idea; rather, it is meant to generate potential topic areas of emerging transformational research and innovation. You may submit your candidate topic idea along with a one-page description by visiting <https://www.surveymonkey.com/s/efritopicideas>. The deadline for topic idea submission is: **December 19, 2014.**

EFRI was established in FY 2007 to serve a critical role in focusing the engineering community on important emerging areas in a timely manner. Each year, EFRI evaluates, recommends, and funds interdisciplinary initiatives at the emerging frontiers of engineering research and innovation. These transformative opportunities may lead to: new research directions; new industries or capabilities that result in a leadership position for the country; and/or significant progress on a recognized national need or grand challenge.

More at

http://www.nsf.gov/pubs/2015/nsf15018/nsf15018.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Federal Budget Authority for R&D in FY 2014 Rises Slightly Above the FY 2013 Level; Extent of Increase in FY 2015 Uncertain

New data indicate that federal budget authority for research and development and R&D plant together totaled an estimated \$135.7 billion (current dollars, preliminary data) in FY 2014, an increase of \$3.2 billion (2.4%) over the FY 2013 level. Nonetheless, this increase only partially offset the successive declines experienced in FY 2011 (down \$4.6 billion), FY 2012 (down \$0.6 billion), and FY 2013 (down \$11.3 billion). These funding cuts have fallen much more heavily on National defense than on the nondefense budget functions.

More at <http://www.nsf.gov/statistics/2015/nsf15308/>

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

MARK YOUR CALENDAR

December 4, 2014, DTRA Broad Agency Announcement Webinar

Covered Topics:

- Introduction to the DTRA mission and its research and development goals and objective.
- Review of the December 1, 2014 Basic Research BAA eligibility, timelines, award types, and sizes.
- Review by the portfolio manager of each Basic Research topic advertised in the December 1, 2014 BAA.
- Question and Answer session on specific research topics and overall BAA eligibility, timelines, award structure.

More at <https://www.signup4.net/public/ap.aspx?EID=BAAW11E&OID=50>

February 4-5, 2015, 2015 Naval Future Force Science & Technology Expo, Washington, D.C.

The Naval Future Force Science & Technology (S&T) Expo is the premiere event sponsored by the Office of Naval Research (ONR). Formerly titled ONR S&T Partnership Conference, it provides access to naval leaders who will discuss the objectives of the revised Naval S&T Strategy; the status of key programs; and new research opportunities within the Navy and Marine Corps community.

More at

https://www.fbo.gov/index?s=opportunity&mode=form&id=fd61fc8b4c98a2e0d87d4f6980658e59&tab=core&_cview=0

Part II. Funding Opportunities

DOD

Lightweight Biological System

https://www.fbo.gov/index?s=opportunity&mode=form&id=10e0f413ed00c11d8ba815366f610c0e&tab=core&_cview=0

January 30, 2015

AFRL

RFI for Next-generation Aerial Directional Data Links and Networking

https://www.fbo.gov/index?s=opportunity&mode=form&id=4521c6d3cf4bfab7bc745380448b08ba&tab=core&_cview=0

December 12, 2014

RFI on Future Electronic Warfare Receiver Systems

https://www.fbo.gov/index?s=opportunity&mode=form&id=ed92899d8cf34552415427006a689d80&tab=core&_cview=0

January 23, 2015

Composites, Hybrids, and Metals, Materials and Processes (CHAMMP)

https://www.fbo.gov/index?s=opportunity&mode=form&id=f081651be55dc3e5d26f00ca89440433&tab=core&_cview=0

Proposal Due Date TBD

DARPA

Edge-Directed Cyber Technologies for Reliable Mission Communication

https://www.fbo.gov/index?s=opportunity&mode=form&id=11f024540b82fa25483b61ef99f6b5ae&tab=core&_cview=0

December 4, 2014

Navy

Select Topics in Nanoscience and Nanotechnology

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=269741>

White Paper Due Date: December 11, 2014

BAA for Advanced Aircraft Power Systems; Fuel Technology; Aircraft Energy Conservation and Environmental Compliance

https://www.fbo.gov/index?s=opportunity&mode=form&id=2146f916e623b336695dcf966d34c6ea&tab=core&_cview=0

November 13, 2015

NIH

Notice of Intent to Publish a Funding Opportunity Announcement for the BRAIN Initiative: Short Courses in Computational Neuroscience (R25)

<http://grants.nih.gov/grants/guide/notice-files/NOT-MH-15-006.html>

Estimated Publication Date of Announcement: January 2015

Notice of Intent to Publish a Funding Opportunity Announcement for the BRAIN Initiative: Short Courses in Research Tools and Methods (R25)

<http://grants.nih.gov/grants/guide/notice-files/NOT-MH-15-005.html>

Estimated Publication Date of Announcement: January 2015

Family and Interpersonal Relationships in an Aging Context (R01)

<http://grants.nih.gov/grants/guide/pa-files/PA-15-042.html>

February 5, 2015

Diabetes and Cardiovascular Disease in Older Adults (R01)

<http://grants.nih.gov/grants/guide/pa-files/PA-15-037.html>

February 5, 2015

Diabetes and Cardiovascular Disease in Older Adults (R03)

<http://grants.nih.gov/grants/guide/pa-files/PA-15-039.html>

February 16, 2015

Diabetes and Cardiovascular Disease in Older Adults (R21)

<http://grants.nih.gov/grants/guide/pa-files/PA-15-038.html>

February 16, 2015

BRAIN Initiative: Development and Validation of Novel Tools to Analyze Cell-Specific and Circuit-Specific Processes in the Brain (U01)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-225.html>

LOI Due Date: February 18, 2015. Application Due Date: March 18, 2015

Targeting Persistent HIV Reservoirs (TaPHIR) (R21/R33)

<http://grants.nih.gov/grants/guide/pa-files/PA-15-041.html>

April 7, 2015; April 7, 2016; April 7, 2017

NSF

Research on the Science and Technology Enterprise: Statistics and Surveys - R&D, U.S. S&T Competitiveness, STEM Education, S&T Workforce

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=269739>

February 18, 2015; January 15, 2016; January 15, Annually Thereafter

NSF/Intel Partnership on Visual and Experiential Computing (VEC)

http://www.nsf.gov/pubs/2015/nsf15518/nsf15518.htm?WT.mc_id=USNSF_27&WT.mc_ev=click

February 20, 2015

Genealogy of Life (GoLife)

http://www.nsf.gov/pubs/2015/nsf15520/nsf15520.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

March 25, 2015; Fourth Wednesday in March, Annually Thereafter; Fourth Wednesday in March, Annually Thereafter

National Nanotechnology Coordinated Infrastructure (NNCI)

http://www.nsf.gov/pubs/2015/nsf15519/nsf15519.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

LOI Due Date: February 2, 2015; Full Proposal Due Date: April 3, 2015

USAID

RFI: Partnership on Climate Data and Information on Resilient Development

https://www.fbo.gov/index?s=opportunity&mode=form&id=75328ff94d3279ae32bfd9da65981c06&tab=core&_cview=0

December 1, 2014

BAA for Powering Agriculture: An Energy Grand Challenge for Development (PAEGC) Second Global Innovation Call

https://www.fbo.gov/index?s=opportunity&mode=form&id=5e8345a2fed5e73b8a2f279029ab9072&tab=core&_cview=0

February 12, 2015

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.