

Office of Research Newsletter – April 25, 2014

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Part I. News and Announcements

NSF Dear Colleague Letter: FY2015 Faculty Early Development (CAREER) Program for the Directorate for Engineering, NSF 14-532

The purpose of this Dear Colleague Letter is to announce an increase in the minimum CAREER award size for the Directorate for Engineering beginning in the FY15 competition (July 22, 2014 deadline). The minimum CAREER award size, including indirect costs, will total \$500,000 for the 5-year duration. Specifically, this increase applies only to CAREER proposals submitted to programs in the following Divisions in the Engineering Directorate:

- Chemical, Bioengineering, Environmental, and Transport Systems (CBET)
- Civil, Mechanical and Manufacturing Innovation (CMMI)
- Electrical, Computer and Cyber Systems (ECCS)
- Engineering Education and Centers (EEC)

More at

http://www.nsf.gov/pubs/2014/nsf14062/nsf14062.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Reminder: Internal Responses to NSF Cultivating Cultures for Ethical STEM and Innovation Corps Sites Programs Due by May 1

Recently NSF announced the following limited solicitations:

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

Proposal Due Date: June 17, 2014; February 17, 2015; February 16, 2016; February 15, 2017; February 15, 2018

Innovation Corps Sites Program

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

Proposal Due Date: June 27, 2014; June 9, 2015; Second Tuesday in June, Annually Thereafter

If you are interested in applying to either program in 2014, please send a quick email to huangj7@rpi.edu no later than May 1. Based on the number of responses, the Office of Research will determine if formal internal calls for white papers should be issued or not.

Congratulations to the Following Faculty on Receiving New Research Grants in March

- Xuegang Ban
- Diana Borca-Tasciuc
- John Bullough
- Mariana Figueiro
- Peter Fox
- Richard Gross
- Theresa Gutberlet
- Mona Hella
- Heng Ji
- Russell Leslie
- Christopher Letchford
- Daniel Lewis
- Robert Linhardt
- Rahmi Ozisik
- Mark Rea
- Zvi Rusak
- Onkar Sahni
- Paul Schoch
- Peter Tessier
- Jason Vollen
- Daniel Walczyk
- William Wallace
- Xiaokun Wang
- Douglas Whittet

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.

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

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

DOD Multiple Sclerosis Investigator-Initiated Partnership Award

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=254035>

Pre-Application Due Date: June 4, 2014. Application Due Date: September 3, 2014

DOD Peer Reviewed Cancer Career Development Award

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=254170>

Pre-Application Due Date: June 10, 2014. Application Due Date: September 17, 2014

DOD Peer Reviewed Cancer Idea Award with Special Focus

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=254173>

Pre-Application Due Date: June 10, 2014. Application Due Date: September 17, 2014

National Geospatial-Intelligence Agency Academic Research Program

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=254129>

August 31, 2017

AFRL

Hyperspectral Long Wavelength Infrared Materials Development for Airborne ISR

https://www.fbo.gov/index?s=opportunity&mode=form&id=d296a591cada2211beb71f4e0a432e0&tab=core&_cview=0

June 6, 2014

DARPA

Tactical Undersea Network Architectures

https://www.fbo.gov/index?s=opportunity&mode=form&id=ace0dc74e3f5c7819d49ce2f8a9307de&tab=core&_cview=0

Abstract Due Date: May 9, 2014. Proposal Due Date: June 13, 2014

Direct On-chip Digital Optical Synthesizer (DODOS)

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=254058>

Abstract Due Date: May 16, 2014. Proposal Due Date: July 8, 2014

ONR

CRNBAA14-001: Basic Research Opportunity Titles:

- * TOF-SIMS Analysis Techniques for Trace Detection of Semiconductor Fabrication Process Contamination
- * Black Box Hardware State Machine Characterization - An Undecidable Problem?
- * Towards More Secure Transportable Media Solutions
- * Exploration of Defense-Related Implications of Time-Varying Nuclear Decay Parameters
- * Radiation Effects in Memristive Structures

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=254175>

May 22, 2014

C4ISR, Information Operations and Information Technology System Research

https://www.fbo.gov/index?s=opportunity&mode=form&id=d8501eb28345074a1a91780193cc337e&tab=core&_cview=0

April 16, 2015

DOE

Clean Energy Manufacturing Topics Suitable for Establishment of a Manufacturing Institute

<https://eere-exchange.energy.gov/#FoaId9f021b00-a457-42a8-97a4-51e2143e9bec>

May 20, 2014

RFI: Hydrogen Contamination Detectors

<https://eere-exchange.energy.gov/default.aspx#FoaId52ce8216-03de-413a-89c3-2598023ac9f5>

Full Application Due Date: TBD

NASA

Game Changing Opportunities In Technology Development Appendix C2

http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=407060/solicitationId=%7B15D0330B-C171-848F-7073-81DC5FBC826E%7D/viewSolicitationDocument=1/SpaceTech-REDDI-Appendix%20C2_Final_2014-04-14.pdf

NOI Due Date: April 30, 2014. Proposals Due Date: June 2, 2014

NIH

NINDS Program Project Grant (P01)

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-183.html>

May 25, 2014; September 25, 2014

Epidemiology and Prevention in Alcohol Research (R01)

<http://grants.nih.gov/grants/guide/pa-files/PA-14-190.html>

June 5, 2014

Data Concepts and Terminology Standards for Clinical Research and Drug Development (U24)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-14-004.html>

June 15, 2014

Epidemiology and Prevention in Alcohol Research (R03)

<http://grants.nih.gov/grants/guide/pa-files/PA-14-189.html>

June 16, 2014

Epidemiology and Prevention in Alcohol Research (R21)

<http://grants.nih.gov/grants/guide/pa-files/PA-14-188.html>

June 16, 2014

National Cooperative Drug Discovery/Development Groups (NCDDG) for the Treatment of Mental Disorders, Drug or Alcohol Addiction (U01)

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-184.html>

June 23, 2014; October 23, 2014; February 23, 2015; June 23, 2015; October 23, 2015; February 23, 2016; June 23, 2016; October 24, 2016; February 23, 2017

Limited Competition: Centers of Biomedical Research Excellence (COBRE) Phase III - Transitional Centers (P30)

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-178.html>

June 30, 2014; May 26, 2015; May 26, 2016

NEI Audacious Goal Initiative: Addressing Technical Needs and Opportunities for Imaging the Visual System (U01)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-EY-14-001.html>

LOI Due Date: July 14, 2014. Application Due Date: August 14, 2014

Targeting Co-dependent Molecular Pathways in Oral Cancer (U01)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-15-004.html>

LOI Due Date: July 25, 2014. Application Due Date: August 25, 2014

Predocutorial Training in Biomedical Big Data Science (T32)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-14-004.html>

July 28, 2014; July 27, 2015

Revisions to Add Biomedical Big Data Training to Active Institutional Training Grants (T32)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-14-005.html>

July 28, 2014; July 27, 2015; July 28, 2016

Revisions to Add Biomedical Big Data Training to Active NLM Institutional Training Grants in Biomedical Informatics (T15)

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

July 28, 2014; July 27, 2015; July 28, 2016

NIDA Core Center of Excellence Grant Program (P30)

<http://grants.nih.gov/grants/guide/pa-files/PA-14-186.html>

September 25, 2014; September 25, 2015; September 26, 2016

NSF

Decision Frameworks for Multi-Hazard Resilient and Sustainable Buildings (RSB)

http://www.nsf.gov/pubs/2014/nsf14557/nsf14557.htm?WT.mc_id=USNSF_30&WT.mc_ev=click#elig

July 24, 2014

Opportunities for Promoting Understanding through Synthesis (OPUS)

http://www.nsf.gov/pubs/2014/nsf14559/nsf14559.htm?WT.mc_id=USNSF_25&WT.mc_ev=click#elig

August 1, 2014; August 1, Annually Thereafter

DOJ

National Institute of Justice FY 14 Online Flight Data and Incident Reporting System for Public Safety Use of Small Unmanned Aircraft Systems (sUAS) Grant

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=254050>

June 16, 2014

DOT

Promoting Innovation in Emergency Medical Services

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=254162>

June 6, 2014

NRC

U.S. Nuclear Regulatory Commission Funding Opportunity Announcement, Research Grant and Cooperative Agreement Program, Fiscal Year 2014

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=254028>

May 19, 2014

USDA

2014 Hazardous Fuels Wood to Energy Grant Program Request for Proposals

<http://www.na.fs.fed.us/werc/swet/2014/2014-08778.pdf>

June 3, 2014

NYSERDA

NY-BEST Bench to Prototype Solicitation

<http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2458-NY-BEST-Bench-to-Prototype-Solicitation.aspx>

Round 4: June 2, 2014; Round 5: December 15, 2014; Round 6: June 1, 2015

The Program seeks proposals to transition new energy storage technologies with proven technical feasibility to a working prototype. Eligible technologies are energy storage technologies that utilize electrical or electrochemical processes and include batteries, ultracapacitors, fuel cells and related components that integrate these technologies into complete systems. Awards are intended to support technologies at Technology Readiness Level 3 or above.

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.