

Office of Research Newsletter – July 18, 2014

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Part I. News and Announcements

NSF Dear Colleague Letter: Stimulating Innovation in STEM Education

To challenge NSF researchers to think beyond their research results and toward broader adoption of STEM education and learning innovations, NSF's Innovation Corps Teams Program will encourage proposals that take discoveries and promising practices from education research and development and promote opportunities for widespread adoption, adaptation, and utilization.

Getting the best evidence-based practices out to potential adopters where those practices can benefit large numbers of students or learners, rather than just in a few classrooms or informal learning organizations, requires an entrepreneurial approach. There are a number of analogous elements between trying to bring product discoveries to market and getting learning innovations into broad practice that NSF can leverage to help promote widespread use of promising educational learning practices. Through I-Corps L, the tools of science can benefit education researchers by helping them to identify approaches that are effective in STEM teaching and learning.

To be eligible to pursue funding, applicants must have received a prior award from NSF (in a STEM education field relevant to the proposed innovation) that is currently active or that has been active within five years from the date of the proposal submission. Consideration will be given to projects that address K-12, undergraduate, graduate, and postdoctoral research, as well as learning in informal science education environments.

The outcomes of the pilot projects are expected to be threefold:

- A clear go/no go decision concerning the viability and effectiveness of the learning-oriented resources/products, practices and services,

- An implementation "product" and process for potential partners/adopters, and
- A transition plan to move the effort forward and bring the innovation to scale.

Successful completion of the effort is expected to produce products or ideas that have been fully developed and that contribute to widespread implementation of learning innovations. I-Corps L will help NSF understand the potential value of using the I-Corps model to improve learning and develop education thought leaders who can help others to be more innovative in their teaching and bring effective technologies/practices to scale.

More at

http://www.nsf.gov/pubs/2014/nsf14095/nsf14095.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

The DOE Office of Science Graduate Student Research (SCGSR) Program Is Now Accepting Applications

The Department of Energy's (DOE) Office of Science announced that the Office of Science Graduate Student Research (SCGSR) program is now accepting applications for the 2014 solicitation. Applications are due 5:00 pm ET on Wednesday September 24, 2014.

The SCGSR program supports supplemental awards to outstanding U.S. graduate students to conduct part of their graduate thesis research at a DOE national laboratory in collaboration with a DOE laboratory scientist for a period of 3 to 12 consecutive months—with the goal of preparing graduate students for scientific and technical careers critically important to the DOE Office of Science mission.

The SCGSR program is open to current Ph.D. students in qualified graduate programs at accredited U.S. academic institutions, who are conducting their graduate thesis research in targeted areas of importance to the DOE Office of Science. The research opportunity is expected to advance the graduate students' overall doctoral thesis while providing access to the expertise, resources, and capabilities available at the DOE laboratories. The supplemental award provides for additional, incremental costs for living and travel expenses directly associated with conducting the SCGSR research project at the DOE host laboratory during the award period. The Office of Science expects to make approximately 100 awards in 2014, for project periods beginning anytime between January and September 2015.

Detailed information about the program, including eligibility requirements and access to the online application system, can be found at: <http://science.energy.gov/wdts/scgsr/>.

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

MARK YOUR CALENDAR

August 17-21, 2014, San Diego, CA
Solar Energy + Technology 2014 Symposium

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

Part II. Funding Opportunities

AFRL

Sensing and Information Research Center for Understanding Systems

https://www.fbo.gov/index?s=opportunity&mode=form&id=e7606bffc882231789b5fa4dac6f16da&tab=core&_cview=0

August 1, 2014

Open Innovation and Collaboration

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=259251>

Proposal Due Date TBD

DARPA

Wireless Network Defense Phases 2 and 3

https://www.fbo.gov/index?s=opportunity&mode=form&id=ba61de8fdf98f5f1f3dce1336dc58965&tab=core&_cview=0

December 20, 2014

Information Innovation Office (I2O) Office-Wide Grant

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=259544>

Abstract Due Date: June 2, 2015. Proposal Due Date: July 15, 2015

DOE

Alternative Fuel Vehicle Deployment Initiatives Funding Opportunity Announcement

<https://eere-exchange.energy.gov/#FoaId334a63fc-6925-4d5a-a148-226905821333>

Concept Paper Due Date: August 1, 2014. Full Application Due Date: October 1, 2014

NASA

Europa Instrument Investigation

<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={D663DD46-1929-9482-24BA-D5BCDBAA10BC}&path=open>

NOI Due Date: August 15, 2014. Proposal Due Date: October 17, 2014

RFI for Radiation Systems Biology

https://www.fbo.gov/index?s=opportunity&mode=form&id=48423ebeb5f1c97a67d63066be6740b&tab=core&_cview=0

September 2, 2014

Human Exploration Research Opportunities NASA Research Announcement

<https://prod.nais.nasa.gov/cgi-bin/eps/synopsis.cgi?acqid=161489>

Proposal Due Date TBD

NIH

Request for Information (RFI): Soliciting Comments on a Potential New Program for Research Funding by the National Institute of General Medical Sciences

<http://grants.nih.gov/grants/guide/notice-files/NOT-GM-14-122.html>

August 15, 2014

Request for Information: Shared Instrumentation Grant Program (S10)

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-14-104.html>

August 24, 2014

Neuroscience Information Framework (U24)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-15-009.html>

LOI Due Date: August 26, 2014. Application Due Date: September 26, 2014

Summer Research Training in Aging for Medical Students (T35)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-009.html>

LOI Due Date: September 30, 2014. Application Due Date: October 30, 2014

Pilot Centers for Precision Disease Modeling (U54)

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-280.html>

October 1, 2014

Discovery of in vivo Chemical Probes (R01)

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-279.html>

October 5, 2014

U.S.-China Program for Research toward a Cure for HIV/AIDS (R01)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-057.html>

LOI Due Date: October 21, 2014. Application Due Date: November 21, 2014

Connectomes Related to Human Disease (U01)

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-281.html>

November 14, 2014; July 14, 2015; July 14, 2016

Extracellular Vesicles in HIV/AIDS and Substance Abuse (R21)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-15-012.html>

LOI Due Date: November 15, 2014. Application Due Date: December 15, 2014

Extracellular Vesicles in HIV/AIDS and Substance Abuse (R01)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-15-011.html>

LOI Due Date: November 15, 2014. Application Due Date: December 15, 2014

Aging and Neuromuscular Junctions (R01)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-008.html>

LOI Due Date: December 29, 2014. Application Due Date: January 29, 2015

NSF

ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE)

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383&WT.mc_id=USNSF_39&WT.mc_ev=click

LOI Deadline Date: August 11, 2014 (PLAN IHE); August 20, 2014 (PLAN D); October 5, 2015 (IT Catalyst); November 5, 2015 (IT). Full Proposal Due Date: September 22, 2014 (PLAN IHE); October 3, 2014 (PLAN D); November 3, 2015 (IT Catalyst); January 20, 2016 (IT)

Interdisciplinary Research in Hazards and Disasters

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=259228>

LOI Due Date: September 26, 2014. Full Proposal Due Date: November 28, 2014

Research Training Groups in the Mathematical Sciences (RTG)

http://www.nsf.gov/pubs/2014/nsf14585/nsf14585.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

October 14, 2014; June 2, 2015; First Tuesday in June, Annually Thereafter

Mathematical Sciences Postdoctoral Research Fellowships

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=259269>

October 15, 2014; Third Wednesday in October, Annually Thereafter

Arctic Research Opportunities

http://www.nsf.gov/pubs/2014/nsf14584/nsf14584.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

October 21, 2014; October 19, 2015; October 18, Annually Thereafter

Dear Colleague Letter - Submission of I/UCRC Proposals in Response to NSF 13-594 in Areas Related to Medical Cyber-Physical Systems (CPS)

http://www.nsf.gov/pubs/2014/nsf14096/nsf14096.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Dear Colleague Letter - Optics and Photonics

http://www.nsf.gov/pubs/2014/nsf14091/nsf14091.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Foundations

Request for Applications from the Chronic Effects of Neurotrauma Consortium (CENC)

<https://cenc.rti.org/Research-Studies/CENC-Grant-Program>

August 15, 2014

The Chronic Effects of Neurotrauma Consortium (CENC) is seeking applications for collaborations and research studies focused on the impact and sequelae of mTBI/CTE on active duty service members and veterans. Studies will address questions and areas complementary to the Consortium's mission and alignment to specified programmatic needs and funding alignments. Information on the CENC can be found at <https://cenc.rti.org>.

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.