Office of Research Newsletter – July 25, 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.

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

A Reminder from Research Administration & Finance: NIH Public Access Policy

In order to ensure that the public has access to the publications resulting from NIH funded research, the NIH Public Access Policy requires that all final peer-reviewed journal manuscripts be submitted to the PubMed Central digital archive immediately following acceptance for publication. Any paper under this policy (either currently in print or in press) which is cited in any section of a NIH proposal/ application or annual/final report must show evidence of this compliance. The steps required for this compliance are outlined below:

Applicability:
The policy applies if:
- The paper is peer-reviewed;
- It is accepted for publication in a journal on or after April 7, 2008;
- It arises from ANY direct NIH grant or cooperative agreement active in Fiscal Year 2008 or beyond or; ANY direct funding from an NIH contract signed on or after April 7, 2008, or; ANY direct funding from the NIH Intramural Program; or ANY NIH Employee (Please note that per NIH: "Directly" funded means costs that can be identified specifically with a particular sponsored project, or that can be directly assigned to such activities relatively easily with a high degree of accuracy. It does not refer to whether or not the funds were awarded to Rensselaer from NIH or via a sub-award agreement).

Copyright: Before a publication agreement is signed, be sure that it is allowable for the paper to be posted to PubMed Central. Most journals adhere to NIH's PubMed Central policies.

Submission of Paper: Be sure to determine how best to submit the paper to PubMed Central. PMC will accept any of the four following methods of submission:
- Journal deposits final published article in PubMed without author involvement;
- Author asks publisher to deposit specific final published article in PubMed;
- Author deposits final peer-reviewed manuscript in PubMed via the NIH Manuscript Submission System (NIHMS);
- Author completes submission of final peer-reviewed manuscript deposited by publisher in NIHMS. Authors and awardees are then responsible for ensuring that the manuscript is deposited into the NIHMS upon acceptance for publication.

PMCID in Citations: For any citation listed in a proposal/application or report submitted to NIH, the PubMed Central reference number (PMCID) must be included. This should be at the end of the full citation.

For more detailed information on the NIH Public Access Policy, please go to:
http://publicaccess.nih.gov/

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

This is a time-sensitive Request for Information (RFI) directed at obtaining input to assist the National Institute of General Medical Sciences (NIGMS) in its planning for a potential new program tentatively named Maximizing Investigators' Research Award (MIRA). This award would be a grant in support of all of the research supported by NIGMS in an investigator's laboratory. Response Date: August 15, 2014.

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

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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

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

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

September 19, 2014, Siena College
National Endowment for the Humanities Grant Workshop

Dr. Russell Wyland, Deputy Director of NEH Research Program will discuss NEH funding opportunities and offer tips for writing competitive proposals.

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

Pathogen Predators
https://www.fbo.gov/index?s=opportunity&mode=form&id=86237fbe72978e3b2164ae48c175cbe2&tab=core&_cview=0

Proposal Abstract Due Date: August 12, 2014. Proposal Due Date: September 23, 2014

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

Biological Technologies EZ Grant
http://www.grants.gov/web/grants/view-opportunity.html?oppId=260120
Proposal Abstracts will be submitted on a rolling basis until May 21, 2015

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

Office of Science FY 2015 Research Opportunities in High Energy Physics
http://www.grants.gov/web/grants/view-opportunity.html?oppId=260048
September 23, 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=48423ebebf5f1c97a67d63066be6740b&tab=core&_cview=0
September 2, 2014

Human Exploration Research Opportunities NASA Research Announcement
https://prod.nais.nasa.gov/cgibin/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

NIH Transformative Research Awards (R01)
http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-14-003.html
LOI Due Date: September 10, 2014. Application Due Date: October 10, 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

Arts-Based Approaches in Palliative Care for Symptom Management (R01)
http://grants.nih.gov/grants/guide/pa-files/PAR-14-294.html
October 5, 2014

Discovery of in vivo Chemical Probes (R01)
http://grants.nih.gov/grants/guide/pa-files/PAR-14-279.html
October 5, 2014

Immunobiology of Xenotransplantation (U01)
http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-048.html
LOI Due Date: October 20, 2014. Application Due Date: November 20, 2014

Blueprint Neurotherapeutics Network (BPN): Small Molecule Drug Discovery and Development for Disorders of the Nervous System (U44)
http://grants.nih.gov/grants/guide/pa-files/PAR-14-292.html
October 21, 2014; February 11, 2015; August 11, 2015; February 11, 2016; August 11, 2016; February 8, 2017

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 Dates: August 11, 2014 (PLAN IHE); August 20, 2014 (PLAN D); October 5, 2015 (IT Catalyst); November 5, 2015 (IT). Full Proposal Due Dates: 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

CyberCorps(R): Scholarship for Service (SFS)
http://www.nsf.gov/pubs/2014/nsf14586/nsf14586.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

October 9, 2014 - October 21, 2014 (Scholarship Track); November 1, 2014 - November 14, 2014 (Capacity Track)

Improving Undergraduate STEM Education
http://www.grants.gov/web/grants/view-opportunity.html?oppId=260068
October 22, 2014 (Engaged Student Learning: Exploration); October 24, 2014 (Institutional and Community Transformation: Exploration); January 13, 2015 (Engaged Student Learning: Design and Development, I & II); January 13, 2015 (Institutional and Community Transformation: Design and Development)

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

DOJ

FY 14 Research and Development for Publicly Funded Forensic Science Laboratories to Assess the Testing and Processing of Physical Evidence Grant
http://www.grants.gov/web/grants/view-opportunity.html?oppId=260116
December 15, 2014

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.