FUNDING OPPs & INFO

For Hajim School Researchers

Dec. 14, 2015

This weekly message from Cindy Gary, Assistant Dean for Grants and Contracts, highlights research funding opportunities and announcements that are particularly relevant to Hajim School faculty, staff and students. If you have any questions, please contact cindy.gary@rochester.edu or call 253-5173.)

EVENTS, WEBINARS

Events and Webinars
NY-BEST (New York Battery and Energy Storage Technology) Consortium Webinar – Free
Electric and Hybrid Buses: Technology, Performance and Markets
Date: Wednesday, December 16, 2015, 2:00 PM - 3:00 PM ET
http://www.ny-best.org/**Synopsis:** Electric and hybrid buses are taking off globally. With their improved fuel economy and reduced emissions, transit agencies worldwide are beginning to incorporate electric and hybrid buses at an increasing rate. Join us for this free one-hour webinar, to hear from industry experts about the rapidly growing international and US markets for electric and hybrid buses, as well as bus manufacturers' current product offerings, and the latest information on bus and charging technology and performance.

ARPA-E Newsletter distribution list signup
2016 ARPA-E Energy Innovation Summit details
http://energy.us5.list-manage1.com/subscribe?u=20161faad3e4173fdfa01d223&id=6df8b10d37

FUNDING OPPORTUNITIES

DARPA Funding Opportunities http://www.darpa.mil/work-with-us/opportunities/Universities
The list of selected opportunities displayed below is provided for university participation. Complete listing of DARPA opportunities can also be found via FedBiz Ops

NIH
Office of Research Infrastructure Programs/NIH/DHHS
High-End Instrumentation (HEI) Grant Program (S10) PAR-16-053
http://grants.nih.gov/grants/guide/pa-files/PAR-16-053.html
Deadline: May 16, 2016
Funding: $600,000 - $2,000,000.
Synopsis: Office of Research Infrastructure Programs (ORIP) invites applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instruments or integrated systems that cost at least $600,000. The maximum award is $2,000,000. Types of instruments supported include, but are not limited to, X-ray diffraction systems, nuclear magnetic resonance (NMR) and mass spectrometers, DNA sequencers, biosensors, electron and confocal microscopes, cell-sorters, and biomedical Imagers. This FOA will use the NIH S10 Biomedical Research Support Shared Instrumentation Grants award mechanism

NIH
Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs (ORIP)
Shared Instrumentation Grant Program (S10) PAR-16-054
http://grants.nih.gov/grants/guide/pa-files/PAR-16-054.html
Deadline: May 16, 2016
Funding: $50,000 - $600,000
Synopsis: The ORIP Shared Instrument Grant (SIG) program encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instrumentation or an integrated system that costs at least $50,000. The maximum award is $600,000. Types of instruments supported include, but are not limited to, X-ray diffraction systems, nuclear magnetic resonance (NMR) and mass spectrometers, DNA and protein sequencers, biosensors, electron and confocal microscopes, cell-sorters, and biomedical imagers. This program will use the NIH S10 award mechanism.

National Science Foundation
National Robotics Initiative 16-517
http://www.nsf.gov/pubs/2016/nsf16517/nsf16517.pdf
Deadline: March 07, 2016
Funding: -NIH and USDA/NIFA will consider projects comprising one or more investigators with budgets ranging from approximately $100,000 to $250,000 per year in direct costs, with durations of one to three years.
- NSF, NASA, DOE, and DOD will consider projects comprising one or more investigators with budgets ranging from approximately $100,000 to $1,000,000 per year in total costs (direct and indirect) averaged over the duration of the project, with durations of one to three years with bulk of awards at lower end
Synopsis: NSF, NASA, NIH, USDA, DOE, DARPA and the DOD are participating with agency priorities referenced in the call. The purpose of this program is to support the development of this next generation of robotics, to advance the capability and usability of such systems and artifacts, and to encourage existing and new communities to focus on innovative application areas. It will address the entire lifecycle from fundamental research and development to manufacturing and deployment. Only one class of proposals will be considered in response to this solicitation; there will not be separate competitions for small, medium, and large proposals. An investigator may participate as PI or co-PI in no more than two proposals. Collaboration among academic, industry, non-profit and other organizations is strongly encouraged to establish better linkages between fundamental science and technology development and use, through partnerships among researchers, applications developers, users and industry. While the NRI encourages projects that include some aspects of technology development, fundamental research should dominate. Proposers focused on developmental work are encouraged to consider submission to SBIR and STTR programs. Support for common robot platforms can be added with supplements.

National Science Foundation
Industry/University Cooperative Research Centers Program (I/UCRC) 16-504
http://www.nsf.gov/eng/iip/iucrc/home.jsp
Deadline: LOIs and Full Proposals: May 09, 2016, full July 11, 2016
Funding: **Planning Grant: The award amount for a planning grant seeking to establish a new I/UCRC is $15,000 per academic institution with a 12 –month duration**. The $15,000 is for all applicable planning expenses including travel to the I/UCRC "boot camp" and is inclusive of applicable Indirect Costs. The I/UCRC "boot camp" informs planning grant awardees about the planning process, the IUCRC model, member recruitment strategies and Center operations that are consistent with I/UCRC requirements.

Full Center Awards: Phase I - First Five Year Center Award - Site meeting minimum membership requirement receives $150,000 annually from NSF.
Phase II - Second Five Year Center Award - Site meeting minimum membership requirement receives $100,000 annually from NSF.
Phase III - Third Five Year Center Award- Site meeting minimum membership requirement receives

$50,000 annually from NSF.
The NSF level of funding for Phase I, Phase II and Phase III has been increased, and depends on the in-cash membership fees collected from IAB members
Membership: Sites in a multi-university Center:
Phase I: a minimum of $150,000 in cash (no in-kind cash equivalent) annually and 3 distinct full members
Phase II: a minimum of $200,000 in-cash (no in-kind cash equivalent) annually and 4 distinct full members
Phase III: a minimum of $250,000 in-cash (no in-kind cash equivalent) annually and 5 distinct full members
Single University Center in any Phase: a minimum of $400,000 in-cash (no in-kind cash equivalent) annually with a minimum of eight distinct full members.
Synopsis: Major changes have been made to the solicitation. I/UCRC program develops long-term partnerships among industry, academe, and government. The Centers are catalyzed by an investment from the National Science Foundation (NSF) and are primarily supported by industry Center members, with NSF taking a supporting role in the development and evolution of the Center. Each Center is established to conduct research that is of interest to both the industry members and the Center faculty. An I/UCRC contributes to the nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. As appropriate, an I/UCRC uses international collaborations to advance these goals within the global context.

National Science Foundation
Division of Physics
Ideas Lab: Measuring "Big G" Challenge
http://www.nsf.gov/pubs/2016/nsf16520/nsf16520.pdf
Preliminary Proposals (required): May 16, 2016
Funding: Up to $2,000,000 will be available for US researchers in 2017-2018 for successful proposals through the Ideas Lab, pending availability of funds and compelling proposals
Synopsis: This solicitation describes an Ideas Lab on "Measuring Big G" Ideas Labs are intensive meetings focused on finding innovative solutions to grand challenge problems. The ultimate aim of this Ideas Lab organized by the Physics Division of the Mathematical and Physical Sciences Directorate at the National Science Foundation (NSF), in collaboration with experts in the field, is to facilitate the development of new experiments designed to measure Newton's gravitational constant G with relative uncertainties approaching or surpassing one part in 100,000. The aspiration is that mixing researchers from diverse scientific backgrounds will engender fresh thinking and innovative approaches that will provide a fertile ground for new ideas on how to measure G that can be used to validate and extend current calculations. US researchers may submit preliminary proposals for participation in the Ideas Lab only via FastLane. The goal is to develop multidisciplinary ideas that eventually will be submitted as full proposals.
*Applications for this Activity - In brief, any individual interested in participating in the Ideas Lab should respond to this solicitation by submitting a preliminary proposal application. Participation in the Ideas Lab is by invitation only from the pool of applicants who submitted a preliminary proposal.
Submission of the preliminary proposal will be considered an indication of availability to attend and participate through the full course of the five-day Ideas Lab, which will be held at the NIST Gaithersburg facility, MD, from July 18th to 22nd, 2016.

Department of Defense SBIR and STTR Topic Pre-Release December 11
http://www.acq.osd.mil/osbp/sbir/solicitations/index.shtml
DoD SBIR 2016.1
DoD STTR 2016.A
You can review the topics to be officially released January 11, 2016. Full Phase 1 proposals will be due February 17, 2016**.**