

# FUNDING OPPs & INFO

For Hajim School Researchers



Aug. 31, 2015

## FUNDING OPPORTUNITIES

### Internal Funding URM

**Lung Biology Strategic Plan is soliciting applications for grants and will support two types of research projects:**

**Deadline: October 2, 2015** and must include, but are not limited to, the study of ceramic and metallic nanoparticles, biological particles, liposomes, viruses, colloidal suspensions, polymer particles, and nanotoxicology studies. Email Richard Phipps [richard\\_phipps@urmc.rochester.edu](mailto:richard_phipps@urmc.rochester.edu) for more information.

**High Risk Project (\$30,000, Direct costs for one year).** This category will provide funds for a high-risk, high-reward project related to lung biology and/or disease. Investigators should submit highly creative research projects that have the potential to lead to innovative and transformative breakthroughs. One award will be issued.

**NanoSight Technology-Focused Projects (\$15,000, Direct costs for one year).** The purpose of this funding is to stimulate new nanoparticle research using NanoSight NS300 technology. Research applications from investigators must include NanoSight methodology as a major part of their proposed research. Prior Nano Sight use is not required. The NS300 instrument can visualize, characterize and measure small particles in suspension (30-1000 nm size range). Potential applications of the NanoSight include, but are not limited to the study of ceramic and metallic nanoparticles, biological particles (exosomes, micro vesicles), liposomes, viruses, colloidal suspensions, polymer particles, and nanotoxicology studies. **Questions regarding NanoSight technology and usage should be directed to: [sherry\\_spinelli@urmc.rochester.edu](mailto:sherry_spinelli@urmc.rochester.edu). One award will be issued.**

*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](mailto:cindy.gary@rochester.edu) or call 253-5173.)*

### DoD SBIR/STTR Topics Pre-Release

<https://sbir.defensebusiness.org/topics>

For SBIR/STTR 15.3 Army, Navy, Air Force, DARPA, MDA, and OSD invite small

businesses to propose innovative solutions to topics in this solicitation. For STTR 15.C CBD, DARPA, DLA, and MDA invite small businesses and research institutions to jointly propose cooperative research and development efforts in response to topics in this solicitation. During the pre-release period you may contact the topic authors directly (contact information is listed with the topic) to ask technical questions about specific solicitation topics.

DoD-wide instructions in the DoD SBIR and STTR Program Solicitation can be found: <http://www.acq.osd.mil/osbp/sbir/solicitations/index.shtml>

**Proposal Deadline: October 28, 2015**

### **US-Israel Binational Science Foundation (BSF) Opportunities**

<http://www.bsf.org.il/BSFPublic/DefaultPage1.aspx?PageId=21&innerTextID=21>

**Regular Research Grants** - mid November deadline of odd calendar years (2015,2017, etc.) the following areas of research will be eligible for submission (alphabetical order): Biomedical Engineering, Health Sciences (Medicine), Life Science, Psychology

Open to all scientists from Israel and the USA who would like to conduct joint research in a variety of scientific research

**Start-up research Grants** - Open to American and Israeli scientists who are in the initial stages of their independent careers.

**BSF-NSF Joint Funding Opportunities** - Starting in 2012, the BSF launched a series of joint funding programs with the National Science Foundation (NSF), using special grants from the Ministry of Finance and the Council of Higher Education.

**Rahamimoff Travel grants for young scientists** - Open to American and Israeli PhD students for research related trips to the other country.

### **Dear Colleague Letter: Special Guidelines for Submitting Collaborative Proposals in Renewable Energy under the NSF/CBET - U.S.-Israel BSF International Opportunity**

NSF 15-104

[http://www.nsf.gov/pubs/2015/nsf15104/nsf15104.pdf?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2015/nsf15104/nsf15104.pdf?WT.mc_id=USNSF_25&WT.mc_ev=click)

Deadline: October 20, 2015

Synopsis: CBET Division within the Engineering Directorate of the National Science Foundation and the U.S.-Israel Binational Science Foundation are pleased to announce a U.S.-Israel collaborative research opportunity in renewable energy production and storage. The goal is to help reduce some of the current barriers to working internationally. NSF/CBET and BSF will address these issues by allowing U.S. and Israeli researchers to submit a single collaborative proposal that will undergo a single review process. Proposals will be accepted for collaborative, fundamental scientific research on selected renewable energy topics defined by the Energy for Sustainability Program (PD 7644) within CBET and by the BSF Solicitation Call for Proposals in Energy for Sustainability.

**Dear Colleague Letter: Special Guidelines for Submitting Proposals: NSF and US-Israel Binational Science Foundation (BSF) Opportunity for Collaborations in Materials Research**

**NSF 15-097**

[http://www.nsf.gov/pubs/2015/nsf15097/nsf15097.pdf?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2015/nsf15097/nsf15097.pdf?WT.mc_id=USNSF_25&WT.mc_ev=click)

**Deadline:** October 31, 2015

Synopsis: International collaborations are invited to submit proposals in the all areas described in the following DMR Core Programs:

Biomaterials (PD 06-7623)

Ceramics (PD 14-1774)

Condensed Matter and Materials Theory (PD 09-1765)

Condensed Matter Physics (PD 03-1710)

Electronic and Photonic Materials (PD 03-1775)

Metals and Metallic Nanostructures (PD 09-1771)

Polymers (PD 03-1773)

Solid State and Materials Chemistry (PD 10-1762)

**National Science Foundation**

**CyberCorps(R) Scholarship for Service (SFS) 15-584**

<http://www.nsf.gov/pubs/2015/nsf15584/nsf15584.pdf>

**Deadlines:** September 25, 2015 Scholarship Track; December 18, 2015 Capacity Track

**Funding: Scholarship Track:** academic-year stipends of \$22,500 per year for undergraduate students and \$34,000 per year for graduate students plus program expenses and administrative costs. **Capacity Track: \$500,000-\$900,000**

**Synopsis:** CyberCorps(R) program seeks proposals that address cybersecurity education and workforce development. The **Scholarship Track** provides funding to award scholarships to students in cybersecurity. All scholarship recipients must work after graduation for a Federal, State, Local, or Tribal Government organization in a position related to cybersecurity for a period equal to the length of the scholarship. A proposing institution must provide clearly documented evidence of a strong existing academic program in cybersecurity. **Capacity Track** seeks innovative proposals leading to an increase in the ability of the United States higher education enterprise to produce cybersecurity professionals. Proposals are encouraged that contribute to the expansion of existing educational opportunities and resources in cybersecurity and focus on efforts such as research on the teaching and learning of cybersecurity, including research on materials, methods and interventions; curricula recommendations for new courses, degree programs, and educational pathways with plans for wide adoption nationally; teaching and learning effectiveness of cybersecurity curricular programs and courses; integration of cybersecurity topics into computer science, data science, information technology, engineering and other existing degree programs with plans for pervasive adoption;

and partnerships between institutions of higher education, government, and relevant employment sectors leading to improved models.

**Dear Colleague Letter: Self-Monitoring and Self-Assessing Intelligent Systems Research for the CISE/IIS Robust Intelligence Core Program  
NSF 15-112**

[http://www.nsf.gov/pubs/2015/nsf15112/nsf15112.jsp?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2015/nsf15112/nsf15112.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click)

**Deadlines: Medium Projects- September 16, 2015; Large Projects - September 24, 2015; Small Projects - November 18, 2015**

**Synopsis:** The Robust Intelligence core program within the IIS division welcomes proposals (as part of the existing RI program solicitation, available at [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf15574](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf15574) that advance self-monitoring, self-assessment, self-repair, and user interaction to ensure that intelligent systems behave as intended. These advances include (but are not limited to) research that specifically addresses: 1) performance uncertainty measures, 2) self-diagnosis, 3) how to ensure system behavior after deployment, 4) system self-inspection and self-repair, and 5) behavioral modification when the system is not behaving as expected. Proposals submitted in response to this DCL will be reviewed in competition with all other proposals submitted to the RI program; this is neither a special competition nor a new program, and proposals will be funded as part of the core RI program budget.