

FUNDING OPPs & INFO

For Hajim School Researchers



Sept. 22, 2015

EVENTS, WEBINARS

ARPA-E Summit - February 29 - March 2, 2016

registration open

Gaylord Convention Center

<http://www.arpae-summit.com/Registration>

FUNDING OPPORTUNITIES

Internal Funding Opps

UR Technology Development Fund

<http://www.rochester.edu/tdf/>

Deadline: October 16 (pre-proposals)

Funding: Awards range from \$40,000 to \$100,000 to support projects of approximately one year in duration. TDF funding supports technical and administrative staff salaries, equipment, and supplies. It does not fund faculty salaries or overhead.

Synopsis: The first step is a pre-proposal submission via email which is evaluated by the Technology Development Fund Screening Committee. Within two weeks, the Screening Committee chooses a subset of the applications for a full proposal submission and an oral presentation which are due and scheduled approximately 2 and 4 weeks after notification for submission, respectively. After oral presentations, the Screening Committee identifies those projects deemed best to satisfy the commercialization criteria for review and, with the Executive Committee, grants the awards. Best efforts will be made to announce awards by the end of December. Contact Omar Bakht @ Omar_Bakht@URMC.Rochester.edu with questions.

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.)

URMC Environmental Health Sciences Center (EHSC) Pilot Project Funds

<https://www.urmc.rochester.edu/environmental-health-sciences.aspx?redir=www2.envmed.rochester.edu/envmed/EHSC>

Deadline: October 19, 2015

Funding: maximum of \$30,000 for the duration of one year and must hold a tenure-track position

Synopsis: EHSC has funds to support a limited number of meritorious Pilot Projects. The objective of the pilot project should be relevant to the theme of the EHSC, namely "Environmental Agents as Modulators of Human Disease and Dysfunction". Especially interested in receiving proposals addressing how the environment modifies stem cell function, affects early life origins of adult diseases, and disrupts host/pathogen interactions. Applications from new investigators collaborating with existing EHSC Faculty are encouraged. In most cases, funds are restricted to research expenses and staff salaries, and cannot be used to support travel, faculty salary, or equipment purchases. Junior faculty may use a portion of these funds for salary support. Initial applications should include a one-page abstract describing the goals and objectives of the proposed project, the relevance to the mission of the EHSC, and the investigators involved (there is no form template for the abstract portion). Abstracts will be reviewed and those applicants selected to submit full applications will be contacted shortly thereafter. Questions? Contact Michael O'Reilly (Michael_OReilly@urmc.rochester.edu)

UR Limited Submissions

NSF Major Research Instrumentation (MRI) 15-504

Link to program solicitation/guidelines:

<http://www.nsf.gov/pubs/2015/nsf15504/nsf15504.pdf>

Internal Deadline: October 30, 2015. Instructions for submitting internal application: Internal applications must consist of (1) chair's letter, (2) research abstract, (3) biosketch or CV, (4) budget and be submitted on required forms.

Funding: \$100,000 - \$4M

Program Synopsis: MRI serves to increase access to shared scientific and engineering instruments for research and research training in our Nation's institutions of higher education, not-for-profit museums, science centers and scientific/engineering research organizations. The program provides organizations with opportunities to acquire major instrumentation that supports the research and research training goals of the organization and that may be used by other researchers regionally or nationally.

Contact Cindy if you have any questions. Internal decisions for one of the 2 acquisition, or 1 development slot will be made by December 1, 2016. UR Selected full proposals are due to NSF January 13, 2016.

NSF Partnerships for Innovation: Building Innovation Capacity (PFI:BIC) 15-610

<http://www.nsf.gov/pubs/2015/nsf15610/nsf15610.htm>

Internal Deadline: October 16, 2015. Instructions for submitting internal application: Internal applications must consist of (1) chair's letter, (2) research abstract, (3) biosketch or CV, (4) budget and be submitted on required forms.

Funding: Awards may be up to \$1,000,000 with an award duration of three (3) years.

Synopsis: The Partnerships for Innovation: Building Innovation Capacity (PFI:BIC) program supports academe-industry partnerships which are led by an interdisciplinary academic research team collaborating with a least one industry partner. In this program, there is a heavy emphasis on the quality, composition, and participation of the partners, including the appropriate contributions for each role. These partnerships focus on the integration of technologies into a specified human-centered service system with the potential to achieve transformational change, satisfying areal need by making an existing service system smart(er) or by spurring the creation of an entirely new smart service system. The selected service system should function as a test bed. Service systems are socio-technical configurations of people, technologies, organizations, and information designed to create value by fulfilling the needs of those participating in the system. A "smart" service system is a system that amplifies or augments human capabilities to identify, learn, adapt, monitor and make decisions. The system utilizes data received, transmitted, or processed in a timely manner, thus improving its response to future situations. These capabilities are the result of the incorporation of technologies for sensing, actuation, coordination, communication, control, etc.

Contact Cindy if you have any questions. Internal decisions for one of the 2 slots by Nov 5 as REQUIRED LOI are due December 02, 2015; Full Proposal Deadline: January 27, 2016.

**NSF Directorate of Engineering
Chemical, Bioengineering, Environmental, and Transport Systems (CBET)**

Deadline: October 20, 2015

<http://www.nsf.gov/div/index.jsp?org=CBET>

Biomedical Engineering (BME) PD 15-5345

Biophotonics PD 15-7236

General & Age-Related Disabilities Engineering PD 15-5342

Catalysis and Biocatalysis PD 15-1401

Environmental Sustainability PD 15-7643

Combustion and Fire Systems PD 15-1407

Fluid Dynamics PD 15-1443

Environmental Engineering PD 15-1440

Nano-Bio Phenomena and Processes in the Environment PD 15-1179

Nano-Biosensing PD 15-7909

Thermal Transport Processes PD 15-1406

Particulate and Multiphase Processes PD 15-1415

Process Systems, Reaction Engineering and Molecular Thermodynamics PD 15-1403

Biotechnology and Biochemical Engineering PD 15-1491

Chemical and Biological Separations PD 15-1417

**NSF Smart and Connected Health (SCH)
13-543**

<http://www.nsf.gov/pubs/2013/nsf13543/nsf13543.pdf>

Deadlines:

Exploratory (EXP) Proposals: October 13, 2015

Integrative (INT) Proposals: December 10, 2015

Funding. EXP = not exceeding \$170,000 direct cost, plus applicable indirect costs, per year for up to three years. INT = funded up to a 4-year period up to a total of \$370,000 direct cost, plus applicable indirect costs, per year.

Synopsis: Approaches that partner technology-based solutions with bio behavioral health research are supported by multiple agencies of the federal government including the NSF and the NIH. The purpose of this program is to develop next generation health care solutions and encourage existing and new research communities to focus on breakthrough ideas in a variety of areas of value to health, such as sensor technology, networking, information and machine learning technology, decision support systems, modeling of behavioral and cognitive processes, as well as system and process modeling.

Addressing the challenges will require fundamental research and the development of new tools and methods across many dimensions, some of which are called for:

1. Digital Health Information Infrastructure;
2. From Data to Knowledge to Decisions;
3. Empowering Individuals;
4. Sensors, Devices and Robotics

Two classes of proposals will be considered in response to this solicitation:

Exploratory Projects (EXP): One or more investigators spanning 1 to 3 years. investigate the proof-of-concept or feasibility of a novel technology, processes, and approaches to promote smart and connected health.

Integrative Projects (INT): Multi-disciplinary teams spanning 1 to 4 years. undertake research addressing key application areas by solving problems in multiple scientific and engineering domains, incorporating at least two out of the three areas of CISE, ENG, and SBE. These projects are expected to advance understanding about how technology and engineering, combined with advancements in computer, behavioral and social science, would support transformations in healthcare and improve quality of life.

INFORMATION OF INTEREST

NSF Dear Colleague Letter: Supporting Research Advances in Smart and Connected Communities

NSF 15-120

http://www.nsf.gov/pubs/2015/nsf15120/nsf15120.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Deadline: The deadline for submission of supplemental requests is March 1, 2016, but earlier submissions are encouraged.

Synopsis: With this DCL, *NSF invites supplements* to existing CISE, EHR, ENG, GEO,

and SBE grants, or new EARly-concept Grants for Exploratory Research (EAGER) proposals submitted to the CISE, EHR, ENG, GEO, and/or SBE directorates. Supplemental proposals must enhance existing projects by incorporating or exploring the concepts described in this DCL, while demonstrating how the proposed work is related to the active project. Any proposal must describe how the research and activities fit within the Smart and Connected Communities vision. These descriptions must include the practical challenges being addressed, i.e., the proposed work should advance science, be motivated by a real-world challenge, and lead to a solution that can be adopted by a community or municipality. EAGER proposals must pursue “high-risk, high-reward” research and activities, in the sense that they involve radically different approaches, apply new expertise, or engage novel disciplinary or interdisciplinary perspectives. They must address concepts described in this DCL by demonstrating how the high-risk, high-reward research and activities fit within the S&CC vision.

Program Guidelines: NSF 10-510

SBIR/STTR Information Site

<http://www.zyn.com/sbir/>

Check to conduct keyword searches, see upcoming agency deadlines, and links to agency solicitations

Several agencies have open solicitations at present:

Department of Energy: FY 2016 Phase I Release 1 - Letter of Intent (required): September 8, 2015 (Release 2 will occur in late Nov with a late December LOI deadline)

http://science.energy.gov/~media/grants/pdf/foas/2015/SC_FOA_0001366.pdf

USDA Opens FY-2016 SBIR: October 8, 2015

NIH SBIR (contracts): October 16, 2015

DoD SBIR 2015.3: October 28, 2015

DoD STTR 2015.C: October 28, 2015

National Science Foundation SBIR 15-605: December 8, 2015

National Science Foundation STTR 15-604: December 11, 2015

HHS/NIH SBIR/STTR (Grants): January 5, 2016; April 5, 2016

**Dear Colleague Letter: Special Guidelines for Submitting Collaborative Proposals Under the US NSF/CISE/CCF - US-Israel BSF International Opportunity
NSF 15-118**

http://www.nsf.gov/pubs/2015/nsf15118/nsf15118.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Synopsis: NSF Directorate for Computer and Information Science and Engineering (CISE) and the US-Israel Binational Science Foundation are pleased to announce a

US-Israel collaborative research opportunity between BSF and the CISE Division of Computing and Communication Foundations (CCF). The goal is to help reduce some of the current barriers to working internationally. Through a lead agency model, NSF/CISE and BSF will address these issues by allowing US and Israeli researchers to submit a single collaborative proposal that will undergo a single review process. Proposals must be responsive to the scope of research described in the current CCF Core Programs solicitation, and be submitted to the Small category (up to \$500,000 over 3 years for the NSF-funded portion). US researchers should obtain pre-approval from NSF before submission. US and Israeli collaborative researchers must each submit the identical research description to NSF and BSF (respectively), with each budgeting for their own participants, and including a copy of the budget for the counterparts