

# FUNDING OPPs & INFO

For Hajim School Researchers



JULY 30, 2015

## FUNDING OPPORTUNITIES

### Internal Funding:

#### Pump Primer II

<http://www.rochester.edu/college/pumpprimer/index.html>

#### **Deadline: August 3 for AS&E PumpPrimer II awards**

**Synopsis:** The increasingly competitive environment for extramural funding increases the need for proof of concept and/or pilot data in proposals and decreases funding of high-risk proposals. To help faculty secure extramural funding for bold new research directions, my office will provide funding for up to one year. Typical budgets will be \$1-20K. In rare instances, budgets as large as \$50K may be awarded. Cost-sharing with departmental resources is encouraged.

<http://www.rochester.edu/college/pumpprimer/one.html>

**PumpPrimer I:** Encourage faculty to take on such large-scale initiatives because they benefit multiple AS&E faculty, increase the quality and stability of our research infrastructure, and increase our national and international visibility.

The Dean's office may provide:

- Teaching relief for the faculty member who champions the project.
- Administrative support from our office for proposal preparation.
- Travel up to \$5K for planning proposals that bring together multi-institutional researchers.

**Researcher Mobility Travel Grants:** International Research Collaboration. Provide up to \$5K to conduct overseas research visits (one to three months). Support for faculty research and expanding international collaborative networks.

### National Science Foundation

**Engineering Research Centers (ERC) Partnerships in Transformational Research, Education and**

*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.)*

Technology  
15-589

<http://www.nsf.gov/pubs/2015/nsf15589/nsf15589.pdf>

**Deadline: LOI Required - September 25, 2015; Preliminary Proposal – October 23, 2015  
(invited full – June 16, 2016)**

**Funding:** The requested budget for the individual ERC awards starts at \$3,500,000 in year 1 and ramps up in \$250K/year increments to level off at \$4,250,000 by year 4.

**Synopsis: Up to 4 awards nationally estimated.** Awards may be made as Open Topic ERCs or Nanosystems ERCs (NERC). ERCs integrate engineering research and education with technological innovation to transform national prosperity, health, and security. ERCs create an innovative, inclusive culture in engineering to cultivate new ideas and pursue engineering discovery that achieves a significant science, technology, and societal outcome within the 10-year timeframe of NSF support.

**NOTES: Webinar to be announced and held by end of August.**

Department of Defense  
Multidisciplinary University Research Initiative (MURI) 2016  
ONR-15-FOA-0011

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=277267>

**Funding:** Typical annual funding is in the \$1.25M to \$1.5M range

**Deadline: White Paper – September 8, 2016; Full – December 7, 2016**

**Synopsis: Topics vary by agency – see FOA. Initial evaluations of the white papers will be issued on or about Thursday, 24 Sep 2015.** MURI is a DoD-wide program which complements other DoD programs that support university research through the single-investigator awards. The awards are typically for a period of three years with two additional years as options. New awards can be funded up to \$1.5M per year, with the actual amount contingent upon the availability of funds, the specific topic and the scope of the proposed work. All the award selections result from a merit based competition of the proposals. Proposal submission is a two-stage process including white papers and full proposals.

Department of Energy  
ARPA-E  
INNOVATIVE DEVELOPMENT IN ENERGY-RELATED APPLIED SCIENCE (IDEAS) – MOD 3  
DE-FOA-0001002  
CFDA Number 81.135

<https://arpa-e-foa.energy.gov/#Foalda8bdd9ec-2cb7-4349-8184-4dde00c77663>

**Deadline: September 28, 2015**

**Funding:** Up to \$500,000 over 12 months

**Synopsis:** Applications will be accepted through the new close date - September 28, 2015. Applications are accepted throughout the duration of this and any subsequent modifications of

the IDEAS FOA. Applicants will submit brief Concept Papers and selected Concept Paper Applicants will then be invited to submit Full Applications. This FOA addresses only the Concept Paper process. Applicants must register with and submit application materials through ARPA-E's online application portal, ARPA-E eXCHANGE

**National Science Foundation**

**Dear Colleague Letter: U.S. - China Joint Research Projects in Environmental Sustainability (NSF 15-091)**

[http://www.nsf.gov/pubs/2015/nsf15091/nsf15091.jsp?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2015/nsf15091/nsf15091.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click)

**Deadline: October 20, 2015 (standard CBET unsolicited proposal deadline)**

**Funding:** The typical award size for the program is around \$100,000 per year.

**Synopsis:** US-based researchers, through their U.S. institutions, may submit unsolicited proposals to collaborate with China-based researchers on either of the two topics listed and described above to the CBET/ENG Environmental Sustainability (7643) program during the window October 1 – October 20, 2015. Proposal must include the participation of researchers from at least one U.S. institution and at least one institution in China. In total, no more than 3 joint NSF-NSFC project grants are expected to be funded. Each U.S.- China team is responsible for ensuring that their counterpart submits a matching proposal by the required deadline. Each submitted proposal must include a letter from the collaborator.

Proposals are accepted from the following areas: Topic 1. Combustion Related to Sustainable Energy; Topic 2. Urban Water Sustainability

**National Science Foundation**

**CISE Research Infrastructure (15-590)**

<http://www.nsf.gov/pubs/2015/nsf15590/nsf15590.pdf>

**Deadline: Preliminary Proposal October 10, 2015 (2 pager with bio)**

**Funding:** Institutional Infrastructure (II) awards and up to 10 Community Infrastructure (CI) awards in each competition. The majority of the II awards will be made in the \$200,000 - \$750,000 range, though a small number of II awards may be made in the \$750,000 - \$1,000,000 range. The majority of the CI awards will be made in the \$500,000 - \$1,000,000 range, though a very small number of CI awards may be made in the \$1,000,000 - \$2,500,000 range. The majority of the Community Infrastructure Planning (CI-P) awards will be made in the \$50,000 - \$100,000 range

**Synopsis:** Two classes of awards: **Institutional Infrastructure (II)** awards support the creation of new (II-NEW) CISE research infrastructure or the enhancement (II-EN) of existing CISE research infrastructure to enable world-class CISE research opportunities at the awardee and collaborating institutions. **Community Infrastructure (CI)** awards support the planning (CI-P) for new CISE community research infrastructure (18 month planning grants), the creation of new (CI-NEW) CISE research infrastructure, the enhancement (CI-EN) of existing CISE infrastructure, or the sustainment (CI-SUSTAIN) of existing CISE community infrastructure to enable world-class

CISE research opportunities for broad-based communities of CISE researchers that extend well beyond the awardee institutions. Each CI award may support the operation of such infrastructure, ensuring that the awardee institution(s) is (are) well positioned to provide a high quality of service to CISE community researchers expected to use the infrastructure to realize their research goals.

#### **National Science Foundation**

**Division of Chemical, Bioengineering, Environmental, and Transport Systems  
Nano-Bio Phenomena and Processes in the Environment (PD 15-1179)**

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=501030&WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501030&WT.mc_id=USNSF_25&WT.mc_ev=click)

**Deadline:** October 20, 2015

**Funding:** ~ \$100,000 per year

**Synopsis:** To support research to further fundamental and quantitative understanding of the interactions of biological and ecological media with nanostructured materials and nanosystems, which include one- to three-dimensional nanostructured materials and heterogeneous nano-bio hybrid assemblies. Such nanostructured materials and systems frequently exhibit novel physical, chemical and biological behavior in living systems and ecological matrices as compared to the bulk scale. This program supports research that explores the interaction of nanoscale materials and systems with both macro and nano-scale systems in biological and environmental media, as well as remediation solutions.

#### **Alfred P. Sloan Research Fellowship Reminder**

<http://www.sloan.org/sloan-research-fellowships/?L=sdopqrfbgxv>

**Deadline:**

**Funding:** \$50,000

**Synopsis:** Eligibility Requirements - \* but there can be no more than three applications from the same department.

- Hold a Ph.D. (or equivalent) in chemistry, computational or evolutionary molecular biology, computer science, economics, mathematics, neuroscience, ocean studies (including marine biology), physics, or a related field.
- Be members of the teaching faculty (i.e., tenure track) of a college, university, or other degree-granting institution in the United States or Canada.
- Normally have no more than six years from completion of their most recent Ph.D. (or equivalent) as of the year of their nomination.
- While fellows are expected to be at an early stage of their research careers, there should be strong evidence of independent accomplishments.

- Candidates in all fields are normally below the rank of associate professor and do not yet hold tenure, but these are not strict requirements.

- The participation of female and underrepresented minority candidates is encouraged.

Reach into Paul Spengler, Director of Foundation Relations if you intend to submit @ [pspengler@admin.rochester.edu](mailto:pspengler@admin.rochester.edu)

### **Jefferson Science Fellowship (would tie to academic leave/sabbatical)**

<http://sites.nationalacademies.org/PGA/Jefferson/index.htm>

**Deadline:** Application open August 1 with deadline of November 2, 2015.

**Eligibility: UR has a MOU in place.** Must be a U.S. citizen, Must be a scientist, technologist, engineer, or physician holding a tenured, or similarly ranked, academic appointment at a U.S. college or university. If awarded, the candidate must successfully complete and maintain security clearances at the U.S. Department of State/USAID

**Synopsis:** Tenured, or similarly ranked, academic scientists, engineers and physicians from U.S. institutions of higher learning, who are U.S. citizens, are eligible for selection as Jefferson Science Fellows (JSF). Each Fellow will spend one year at the U.S. Department of State or the U.S. Agency for International Development (USAID) for an on-site assignment in Washington, D.C. that may also involve extended stays at U.S. foreign embassies and/or missions. All JSF assignments will be designed in consultation with regional and/or functional bureaus within the U.S. Department of State/USAID. Fellow's salary and benefits are paid by the academic institution at which their position is held. The academic position of the Fellow, together with all the rights and privileges associated with that position, are maintained during the fellowship year. Fellows are paid a per diem of up to \$50,000 to cover local living expenses (see exceptions under terms listed here) and an additional \$10,000 is awarded for travel associated with their assignments at the U.S. Department of State/USAID. Additional travel support may be provided by the Fellow's office or bureau.

### **Fulbright Scholars**

#### **Fulbright U.S. Scholar Program**

**Deadline:** Monday, August 3rd.

**Synopsis:** This program provides approximately 800 teaching and/or research grants to U.S. faculty and experienced professionals in a wide variety of academic and professional fields. To view a University of Rochester workshop on the program go to

<https://www.youtube.com/watch?v=TGwnb--HOgU&feature=youtu.be>. Questions? Contact [global@rochester.edu](mailto:global@rochester.edu).

Apply directly to the Fulbright program @ <http://www.cies.org/program/core-fulbright-us-scholar-program>