

# FUNDING OPPs & INFO

For Hajim School Researchers



Nov. 9, 2015

## FUNDING OPPORTUNITIES

### Internal Funding - PumpPrimer II 2016

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

**PumpPrimer II: Innovative and high-risk projects.**

**Next deadline: February 1, 2016**

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.

Applicants for both PumpPrimer I and II are expected to submit a proposal for external funding within 18 months of the allocation of intramural support. Both PumpPrimer mechanisms and Researcher Mobility Travel grants will require a brief final survey and final report to help us evaluate the effectiveness of this program. Questions, email me at [cindy.gary@rochester.edu](mailto:cindy.gary@rochester.edu)

**NOTE: The following awards accept applications on an ongoing basis:**

### **PumpPrimer I:** Multi-institutional and/or multi-investigator research projects.

Increasingly, federal agencies are interested in research that brings together experts with complementary skills to address grand challenges. We 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.

**Air Force Research Laboratory, Information Institute, Rome NY  
2016 Visiting Faculty Research Program (VFRP) Accepting Applications**

*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.)*

<http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=11339>

**Deadline:** Application deadline is January 23, 2016

**Synopsis:** The SFFP and AFRL/RI VFRP provide research opportunities for full time faculty for 8-12 week tours during the May-September period. AFRL/RI's goal with the VFRP is to provide a rewarding experience to the highest qualified candidates from the academic research communities.

Take a look at the key research topics and PMs in your area -

<http://www.wpafb.af.mil/shared/media/document/AFD-151006-020.pdf>

## **National Science Foundation**

### **National Robotics Initiative (NRI)**

<http://www.nsf.gov/pubs/2015/nsf15505/nsf15505.pdf>

**Deadline:** December 3, 2015

**Funding:** only one class of proposals, agency requirements and funding mechanisms dictate two ranges of consideration on this solicitation, by agency: NIH and USDA will consider projects comprising one or more investigators with budgets ranging from approximately \$100,000 to \$250,000 per year in direct costs averaged over the duration of the project, with durations of one to three years. NSF, NASA, and DARPA 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. It is expected that the bulk of awards will be made at the smaller end of the range.

**Synopsis:** NRI – to accelerate the development and use of robots in the United States that work beside or cooperatively with people. Innovative robotics research and applications emphasizing the realization of such co-robots working in symbiotic relationships with human partners is supported by multiple agencies of the federal government including the NSF, NASA, NIH, USDA, DOD. The agencies have mission specific areas of interest. The purpose of this program is 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. Methods for the establishment and infusion of robotics in educational curricula and research to gain a better understanding of the long-term social, behavioral and economic implications of co-robots across all areas of human activity are important parts of this initiative. Collaboration between academic, industry, non-profit and other organizations is strongly encouraged to establish better linkages between fundamental science and technology development, deployment and use. 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. Themes include: Social, Behavioral, and Economic; Sensing and Perception, Modeling and Analysis, Design and Materials, Communication and Interfaces, Artificial Intelligence, Cognition and Learning, Algorithms and Hardware, Application-Inspired, Platform-Specific, Assistive Technologies, STEM.

\*Awards list = [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503641](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503641)

## **National Science Foundation**

### **Directorate for Mathematical & Physical Sciences**

#### **Division of Physics: Investigator-Initiated Research Projects (PHY) NSF 15-579**

<http://www.nsf.gov/pubs/2015/nsf15579/nsf15579.pdf>

**Deadlines:**

**December 03, 2015 - Elementary Particle Physics - Theory; Particle Astrophysics and Cosmology - Theory; Computational Physics; Quantum Information Sciences**

**February 03, 2016 - Accelerator Science**

**Funding:** Average ~\$300,000

**Synopsis:** Physics Division strongly encourages single proposal submission for possible co-review rather than multiple submissions of proposals with slight differences to several programs.

Deadlines: December 3, 2015

**Quantum Information Science** PD 15-7281

[Particle Astrophysics and Cosmology - Theory](#) PD 14-1288  
[Computational Physics](#) PD 15-7244  
[Elementary Particle Physics - Theory](#) PD 14-1286