

FUNDING OPPs & INFO

For Hajim School Researchers



Oct. 19, 2015

FUNDING OPPORTUNITIES

Internal Limited Submission Programs

A list is maintained on the ORPA website

<http://www.rochester.edu/orpa/funding/limitedsub.html>

This is a great way to see the deadlines. All limited submission calls are sent to Department Chairs.

Upcoming deadlines:

David and Lucile Packard Foundation Fellowships for Science and Engineering (UR allowed 2 applicants)

Link to program solicitation/guidelines:

<http://www.packard.org/category/packard-fellowships-for-science-engineering/>

Funding Level (funding & duration): \$875,000 over 5 years (\$175,000 per year)

Topics/Disciplines: Physics/Astronomy, Chemistry, Mathematics, Biology, Computer Science, Earth Science, Ocean Science, all branches of Engineering.

Eligibility: Faculty members within their first three years of faculty career, whose initial faculty appointment began to earlier than May 31, 2013 and no later than May 31, 2016.

Internal Deadline: November 9, 2015.

Standard forms apply. Contact with questions or send Applications to Cindy Gary, email cindy.gary@rochester.edu

National Science Foundation

National Science Foundation Research Traineeship Program (NRT) 16-503 – There will be an Internal Limited Submission call released this week.

<http://www.nsf.gov/pubs/2016/nsf16503/nsf16503.htm>

Deadline: Letter of Intent: December 9, 2015, Full Proposal: February 9, 2017

Funding: 14-15 Traineeship award are expected to be up to five (5) years in duration with a total budget up to \$3,000,000 each. 14-20 Innovations in Graduate Education anticipated, up to three (3) years in duration with a total budget between \$300,000 and \$500,000

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.)

Synopsis: Two new priority research areas, Understanding the Brain (UtB) and Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS) have been added to the NRT Traineeship Track.

For FY2016, there are four priority areas:

(1) Data-Enabled Science and Engineering (DESE),

(2) Understanding the Brain (UtB),

(3) Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS), and

(4) any other interdisciplinary research theme of national priority.

NOTE that in 2017, Data-Enabled Science and Engineering (DESE) will no longer be a national priority area. The **NRT program includes two tracks: the Traineeship Track and the Innovations in Graduate Education (IGE) Track.** The **Traineeship Track** is dedicated to effective training of STEM graduate students in high priority interdisciplinary research areas, through the use of a comprehensive traineeship model that is innovative, evidence-based, and aligned with changing workforce and research needs. IGE Track focuses on test-bed projects aimed at piloting, testing, and validating innovative and potentially transformative approaches to graduate education.

* UR won an NRT (1 of only 8 awards made nationally in 2014 – cross disciplinary led by CS and BCS ~ Graduate Training in Data-Enabled Research into Human Behavior and its Cognitive and Neural Mechanisms, 5-year, \$3M).

OTHER FUNDING OPPORTUNITIES

National Science Foundation

CISE Research Infrastructure (CRI)

15-590

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

Deadline: Preliminary Proposal Deadline Date: November 10, 2015; Full Proposal: January 20, 2016

Funding: With up to 20 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; 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: The CISE Research Infrastructure (CRI) program drives discovery and learning in the core CISE disciplines of the three participating CISE divisions by supporting the creation and enhancement of world-class research infrastructure that will support focused research agendas in computer and information science and engineering. This infrastructure will enable CISE researchers to advance the frontiers of CISE research. The CRI program supports two classes of awards: 1. 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. 2. Community Infrastructure (CI) awards support the planning (CI-P) for new CISE community research infrastructure, 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

NSF/DOE Partnership in Basic Plasma Science and Engineering 15-601

<http://www.nsf.gov/pubs/2015/nsf15601/nsf15601.pdf>

Deadline: November 19, 2015

Funding: ~ Award sizes are anticipated to range from \$25,000 to \$250,000 per year with a duration of up to three years

Synopsis: The NSF, with participation of the Directorates for Engineering, Geosciences, and Mathematical and Physical Sciences, and the DOE, Office of Science, Fusion Energy Sciences are continuing the joint Partnership in Basic Plasma Science and Engineering. The goal of the initiative is to enhance basic plasma research and education in this broad, multidisciplinary field by coordinating efforts and combining resources of the two agencies. The current solicitation also encourages submission of proposals to perform basic plasma experiments at NSF and DOE supported user facilities, such as the Basic Plasma Science Facility at the University of California, Los Angeles, designed to serve the needs of the broader plasma community.

Some of the general research areas which are included are: Chaos, Turbulence and Self-Organization in Plasmas; Strongly Coupled Coulomb Systems in Plasmas; Dusty Plasmas; Non-neutral Plasmas; Flows and Magnetic Fields in Plasmas, their Interaction and Interpenetration; Intense Field Matter Interactions in Plasmas; Advanced Methods for Plasma Modeling and Simulation; Plasma Diagnostics; Control of Plasma Processes; Study, Design, and Optimization of Plasma Reactors for Chemical Production; Plasma Surface Interactions, Plasma Modification, Synthesis and Processing of Materials; Atmospheric Pressure Plasmas, Microplasmas, and Plasmas in Environmental Science and Technology; Astrophysical and Solar Plasmas, Plasmas in Interplanetary Space, Earth and Other Planetary Magnetospheres and Atmospheres.

National Science Foundation

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

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

Deadlines:

October 28, 2015 - November Atomic Molecular and Optical Physics - Experiment

and Theory; Elementary Particle Physics - Experiment; Gravitational Physics - Experiment and Theory; Integrative Activities in Physics; and Particle Astrophysics - Experiment

November 13, 2015 - Nuclear Physics - Experiment and Theory

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

February 03, 2016 - Accelerator Science

Funding: ~\$300,000 per award

Synopsis: Follow link to the program description for each research area noted above.

National Science Foundation

Dear Colleague Letter: Request for Information (RFI) on Science Drivers Requiring Capable Exascale High Performance Computing

16-008

http://www.nsf.gov/pubs/2016/nsf16008/nsf16008.jsp?WT.mc_id=USNSF_179

Synopsis: Pursuant to the goals of the NSCI, NSF, DOE and the National Institutes of Health (NIH) have jointly issued a Request for Information (RFI) to identify scientific research topics and applications that need HPC capabilities that extend 100 times beyond today's performance on scientific applications. The RFI can be accessed using the following link on the NIH website:

<http://grants.nih.gov/grants/guide/notice-files/NOT-GM-15-122.html>.

New NSF Grant Proposal Guide 16-1 - for proposals submitted, or due, on or after January 25, 2016.

http://www.nsf.gov/pubs/policydocs/pappguide/nsf16001/nsf16_1.pdf

Significant changes include:

- Enforcement of 5 p.m. submitter's local time across all NSF funding opportunities;
- Implementation of NSF's Public Access Policy;
- Submission of proposal certifications by the Authorized Organizational Representative (AOR) concurrently with proposal submission;
- NSF's implementation of the US Government Policy for Institutional Oversight of Life Sciences on Dual Use Research of Concern;
- Provision of Collaborators and Other Affiliations information as a new single-copy document, instead of as part of the Biographical Sketch;
- Submission of Biographical Sketches and Current and Pending Support separately for each senior personnel;
- Electronic signature and submission of notifications and requests by the AOR only;
- Revision of timeframe for submission of final project reports, project outcomes reports and financial closure of awards to 120 days after the award end

date; and

- Numerous clarifications throughout the document.

***A webinar for ASE Research Administrators to be held Thursday, October 29, 2:00 – 3:30 in Lattimore 317. Please email me if you plan to attend.**

USEFUL INFORMATION

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Fellowships and Awards Search Engine

Reminder that ASE maintains a searchable database on fellowships and awards. Go to:

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

Those fellowships or awards that have an internal limited submission call are noted in the description.

