FUNDING OPPORTUNITIES

Internal Funding

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

**Deadline:** July 1, 2016

The increasingly competitive environment for extramural funding increases the need for proof of concept and/or pilot data in proposals and reduces funding for 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/final report to help us evaluate the effectiveness of this program. Questions to Cindy Gary, cindy.gary@rochester.edu.

The following programs 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.

**Limited Submission**

**NEH Summer Stipends 2016 Internal Submit Deadline**

**Federal Opportunity Number:** 20160929-FT

**Link to program solicitation/guidelines:** [http://www.neh.gov/grants/research/summer-stipends](http://www.neh.gov/grants/research/summer-stipends)

**Internal Deadline:** June 30, 2016

**Eligibility:** The Summer Stipends program accepts applications from researchers, teachers, and writers, whether they have an institutional affiliation or not. Applicants with college or university affiliations must, however, be nominated by their institutions.

**Funding Level:** Summer Stipends provide $6,000 for two consecutive months of full-time research and writing.

**Program Synopsis:** Summer Stipends support individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both.

Recipients usually produce articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources. NEH invites projects related to its new initiative, *The Common Good: The Humanities in the Public Square*. This initiative seeks to connect the study of the humanities to the current conditions of national life. Many of today’s challenges require more than ever the forms of understanding and knowledge represented by the humanities. They require the broadest possible engagement of scholars and the public with the resources of the humanities, including but not limited to the study of language, literature, history, philosophy, comparative religion, and ethics. Note: The Common Good: The Humanities in the Public Square. This initiative seeks to connect the study of the humanities to the current conditions of national life.

All applications will be given equal consideration in accordance with the program’s evaluation criteria, whether or not they respond to the Common Good initiative.

Recipients must work full-time on their projects for these two months and may hold other research grants supporting the same project during this time. Summer Stipends normally support work carried out during the summer months, but arrangements can be made for other times of the year.

**Send Applications to:** Cindy Gary (Hajim) cindy.gary@rochester.edu  Limited submission instructions can be found at [http://www.rochester.edu/orpa/funding/limitedsub.html](http://www.rochester.edu/orpa/funding/limitedsub.html)

**Limited Submission**
National Science Foundation

Partnerships for International Research and Education (PIRE)


Internal Deadline: July 8, 2016. Only 1 selection per university.

NSF Preliminary due September 14, 2016

Funding Level: Estimated Number of Awards: 8 to 12, pending the availability of funds, the average award size is expected to be approximately $4 million over 5 years.

*UR was awarded a PIRE in 2015. PI, Carmala Garzione, EES PIRE: DUST stimulated draw-down of atmospheric CO2 as a trigger for Northern Hemisphere Glaciation


Program Synopsis: Partnerships for International Research and Education (PIRE) is an NSF-wide program that supports international activities across all NSF-supported disciplines. The primary goal of PIRE is to support high quality projects in which advances in research and education could not occur without international collaboration. PIRE seeks to catalyze a higher level of international engagement in the U.S. science and engineering community. International partnerships are essential to addressing critical science and engineering problems. In the global context, U.S. researchers and educators must be able to operate effectively in teams with partners from different national environments and cultural backgrounds. PIRE promotes excellence in science and engineering through international collaboration and facilitates development of a diverse, globally-engaged, U.S. science and engineering workforce. This PIRE competition will be open to all areas of science and engineering research which are supported by the NSF.

Send Applications to: Cindy Gary (Hajim) cindy.gary@rochester.edu. Limited submission instructions and forms can be found at http://www.rochester.edu/orpa/funding/limitedsub.html

External Funding

NASA

Space Technology Research, Development, Demonstration, and Infusion-2016 (SpaceTech-REDDI-2016)

Early Stage Innovations (ESI)

Deadline: July 1, 2016

Funding: $500,000 for 3 years

Synopsis: Seeks proposals on specific space technologies that are currently at low Technology Readiness Levels (TRL). Investment in innovative low-TRL research increases knowledge and capabilities in response to new questions and requirements, stimulates innovation, and allows more creative solutions to problems constrained by schedule and budget. Moreover, it is investment in fundamental research activities
that has historically benefited the Nation on a broader basis, generating new industries and spin-off applications.

*To view all NASA INSPIRES open solicitations go to: https://nspires.nasaprs.com/external/index.do

National Science Foundation

EArly-concept Grants for Exploratory Research (EAGER)

No specific program announcement

Deadline: Open

Funding: Requests may be for up to $300K and of up to two years duration

Synopsis: EAGER funding mechanism may be used to support exploratory work in its early stages on untested, but potentially transformative, research ideas or approaches. This work may be considered especially "high risk-high payoff" in the sense that it, for example, involves radically different approaches, applies new expertise, or engages novel disciplinary or interdisciplinary perspectives. These exploratory proposals also may be submitted directly to an NSF program, but the EAGER mechanism should not be used for projects that are appropriate for submission as “regular” (i.e., non-EAGER) NSF proposals. PI(s) must contact the NSF program officer(s) whose expertise is most germane to the proposal topic prior to submission of an EAGER proposal. This will aid in determining the appropriateness of the work for consideration under the EAGER mechanism; this suitability must be assessed early in the process.

Department of Defense

FY 2017 Department of Defense Multidisciplinary University Research Initiative (MURI)

N00014-16-R-FO05

http://www.onr.navy.mil/~media/Files/Funding-Announcements/BAA/2016/N00014-16-R-FO05.ashx

Deadlines

White Papers are due no later than August 1, 2016

Invited Full Proposals will be accepted until November 15, 2016

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

Synopsis: Review listed topics and sponsor agency. Multidisciplinary University Initiative (MURI) efforts involve teams of researchers investigating high priority topics and opportunities that intersect more than one traditional technical discipline. For many military problems this multidisciplinary approach serves to stimulate innovations, accelerate research progress and expedite transition of results into naval applications. MURI awards are made in research topics specified by the participating defense agencies each year that the program is in force. Specified topics change each year. Awards are typically for a period of three years (funded incrementally or as options) with two
additional years possible as options to bring the total award to five-years, and at a funding level ranging from half a million to about a million dollars per year, with the size of the award dependent upon the topic, technical goals, and availability of appropriations.

National Science Foundation

Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII)
NSF 16-565


Deadline: August 10, 2016

Funding: Up to $175,000 for up to 24 months. No summer salary, course buyouts, or academic year salary costs are allowed for the PI. Most of the funds should go toward student(s).

Synopsis: PI may not participate in more than two CRII competitions. This solicitation encourages potentially transformative proposals in any area of CISE research from PIs who are in their first academic position post-PhD. The goal is for the PI to achieve research independence early in his or her career. CRII awards will be given to researchers to undertake exploratory investigations, to acquire and test preliminary data, develop collaborations within or across research disciplines, and/or develop new algorithms, approaches, and system designs/prototypes, which together or separately may lead to improved capacity to write successful proposals submitted to other programs in the future.

Eligibility: The PI should: Hold a primary appointment (or if applying to the CISE Division of Advanced Cyberinfrastructure, hold a full- or part-time appointment) in computer and/or information science and/or engineering, or in a related field of computational or data science (where the PI would normally submit proposals to CISE programs);

Be untenured; and Be in the first three years of a tenure-track or research science or education position (or equivalent). The number of years includes any academic position held post-PhD, exclusive of postdoctoral appointments. Only official leaves of absence (for illness, family, etc.) may be subtracted from the total time in the position, as certified by the PI's department chair/head in the required letter of support, to be included.

FY17 Defense University Research Instrumentation Program (DURIP)

PA-AFRL-AFOSR-2016-0001


Deadline: August 26, 2016

Funding: $50,000 - $1.5M. typically one year in length.

Synopsis: Pre-Proposal inquiries and questions must be submitted not later than Friday, 12 Aug 2016. This announcement seeks proposals from universities to purchase equipment and instrumentation in support of research in areas of interest to the DoD. DoD interests include the areas of research supported by the Army.
Research Office (ARO), the Office of Naval Research (ONR), and the Air Force Office of Scientific Research (AFOSR), hereafter generally referred to collectively as “we, our, us, or administering agency.” Each administering agency will make grant awards to fund the purchase of research equipment or instrumentation costing $50,000 or more that cannot typically be purchased within the budgets of single-investigator awards.

National Science Foundation

Dear Colleague Letter: NSF/NSFC Joint Research on Environmental Sustainability Challenges

16-092


Deadline: October 20, 2016

Funding: Up to a total of $500K for 4 years for each winning proposal for the US researchers of winning teams, while NSFC will fund the China researchers of winning teams (up to a total of 3 million yuan for 4 years for each winning proposal). In total, no more than 3 joint NSF-NSFC project grants are expected to be funded.

Synopsis: National Natural Science Foundation of China (NSFC) Department of Engineering and Material Sciences (DEMS) are partnering to encourage joint research by US-China teams collaborating on fundamental research that addresses critical environmental sustainability challenges. The US and China have the two largest economies on Earth and also have important engineering, technology, business and trade relationships with each other. Both nations face significant environmental sustainability challenges, for example in water and energy, urban sustainability, and manufacturing. Fundamental research is needed to provide the foundational knowledge for addressing these challenges. This call is for research proposals from joint US-China teams in two environmental sustainability topic areas: Topic 1. Combustion Related to Sustainable Energy; Topic 2. Urban Water Sustainability. Each US-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. For NSF proposals, the collaborator letter is to be included in the supplementary documents file of the electronic submission.