

FUNDING OPPs & INFO

For Hajim School Researchers



March 14, 2016

FUNDING OPPORTUNITIES

Internal Funding

Center for Emerging and Innovative Sciences

CEIS Collaborative Innovative Research (CIR) Request for Proposals (RFP)

<http://www.ceis.rochester.edu/funding/CIRP.html>

Deadline: May 20, 2016

Who may apply: The CIR funding program is open to Principal Investigators (PIs) from the faculties of the University of Rochester, the Rochester Institute of Technology and other regional universities. Persons eligible to be PIs shall hold full time faculty positions or full-time positions enjoying similar responsibilities, rights, and privileges in their respective universities. Note that only university PIs are eligible for CIR funding. CEIS does not award funds to companies.

Types of projects considered: CEIS supports applied research and development projects primarily in the field of Electronic Imaging, but in recent years the Center has expanded its scope to include Bio-Imaging and Sensing, Nano-electronic design and other emerging technologies. The research projects may apply to any of a diverse variety of commercial products and services.

Size of awards: Maximum potential awards are computed as one-half the dollar value (excluding qualifying “in kind” contributions) of designated funds from NYS companies. CEIS awards are capped at \$30,000 per proposal.

Selection of proposals for awards: For each category of projects, proposals will be ranked by an outside review panel and the awards will be given according to rank to the funding maximum. We anticipate making awards for a July 1, 2016 start date subject to the availability of funds.

Research proposals requested: The attached forms constitute a solicitation of research proposals for consideration in the 2016/2017 program year (July 15, 2016 – June 30, 2017). CEIS is a NYSTAR (Empire State Development Division of Science, Technology and Innovation) designated Center for Advanced Technology (CAT) funded by NY State. Proposals will be reviewed in May 2016, for projects to commence on July 1, 2016 subject to the availability of funds. The goal of the CEIS Collaborative Innovative Research (CIR) program is to stimulate economic growth in New York State by promoting technology transfer from our universities to New York companies. Accordingly, proposed projects should

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.)

involve a NY industry partner that is actively engaged with the project, financially sponsoring the research, and providing assessment of economic impact of the project.

Questions about the proposals or the CIR RFP process may be addressed to Cathy Adams
cathy.adams@rochester.edu, 275-3999

External

National Science Foundation

Enhancing Access to the Radio Spectrum (EARS) 16-537

<http://www.nsf.gov/pubs/2016/nsf16537/nsf16537.htm>

Deadline: May 3, 2016

Funding: up to \$1,500,000 for three years

Synopsis: An individual may be listed as PI, co-PI, and/or senior personnel on only ONE proposal submitted in response to this solicitation. The EARS program specifically targets innovative and potentially transformational research that carefully considers the interplay of science, engineering, technology, applications, economics, and public policy on spectrum efficiency and access. The solicitation seeks effective collaborations in areas where interdisciplinary research is presently uncommon. Grand challenges: Innovative Radio Hardware and Access Architectures to Enable Spectrum Sharing; Harmonious Co-Existence of Heterogeneous Wireless Technologies; Development of Automated Detection Mechanisms and Compliance Certification Methods; and Spectrum Access for Science Services.

National Science Foundation

Grant Opportunities for Academic Liaison with Industry (GOALI) 12-513

<http://www.nsf.gov/pubs/2012/nsf12513/nsf12513.pdf>

Deadline: Proposals Accepted Anytime, but generally fall into the unsolicited program review window. GOALI proposers must communicate with a specific program director in the disciplinary area of the proposed research for guidance on proposal submission

Funding:

*Program 1: Industry - University Collaborative Projects (Full proposals or requests for supplemental funding) – typically <\$100,000 per year and pays for university research/educational activities. The university grant may support activities of faculty and his/her

students and research associates in the industrial setting. NSF funds cannot be used by the industrial research partner.

** Program 2: Faculty and Students in Industry (requests for supplemental funding to existing NSF awards). Faculty-in-Industry awards will typically range from \$30,000 to \$75,000 for up to one year; Postdoctoral Industrial Fellowship \$75,000 (inclusive) for a 12-month period.

*** Program 3: Industry Engineers and Scientists in Academe (requests for supplemental funding to existing NSF awards). Supplement awards are for a maximum of \$75,000 for up to one year.

Synopsis: Industry involvement and participation is required for GOALI funded projects. A co-investigator or co-advisor from industry is required in a collaborative project or industrial fellowship/traineeship. GOALI promotes university-industry partnerships by making project funds or fellowships/traineeships available to support an eclectic mix of industry-university linkages. Special interest is focused on affording the opportunity for: Faculty, postdoctoral fellows, and students to conduct research and gain experience in an industrial setting; Industrial scientists and engineers to bring industry's perspective and integrative skills to academe; and Interdisciplinary university-industry teams to conduct research projects. This solicitation targets high-risk/high-gain research with a focus on fundamental research, new approaches to solving generic problems, development of innovative collaborative industry-university educational programs.

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.

National Science Foundation

Dear Colleague Letter: Computer Science for All 16-057

http://www.nsf.gov/pubs/2016/nsf16057/nsf16057.pdf?WT.mc_id=USNSF_25&WT.mc_ev=click

Deadlines: March 28, 2016 - Full proposal to STEM + Computing Partnership (STEM-C) under 16-527
OR May 31, 2016 - The deadline for submission of EAGERS, Supplements, and Conferences. Full proposal to STEM + Computing Partnership (STEM-C)

Funding: Varies

Synopsis: <https://www.whitehouse.gov/blog/2016/01/30/computer-science-all> Titles of proposals submitted in response to this DCL should begin with "CSforAll"

To draw attention to existing NSF funding opportunities in Fiscal Year 2016 that are available to support the goal of providing opportunities for all students to participate in computer science (CS) and computational thinking (CT) in science, technology, engineering, and mathematics (STEM) learning in the elementary, middle, and high school grade levels. **Proposals responsive to this Dear Colleague Letter can be submitted in two ways:** Full proposal to STEM + Computing Partnership (STEM-C) under 16-527 OR

EAGERS, Supplements, and Conferences or to the Discovery Research PreK-12 NSF15-592(DRK-12,), Innovative Technology Experiences for Students and Teachers (ITEST, NSF 15-599), Cyberlearning (NSF 14-526), or the EHR Core Research (NSF 15-509) programs.

FY17 Defense University Research Instrumentation Program (DURIP)

PA-AFRL-AFOSR-2016-0001

<http://www.grants.gov/web/grants/search-grants.html?keywords=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 & NIH

Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences (DMS/NIGMS) 16-643

<http://www.nsf.gov/pubs/2016/nsf16543/nsf16543.htm>

Deadline: September 14, 2016

Funding: Award sizes are expected to range from \$100,000 to \$400,000 (total costs) per year with durations of 3-5 years

Synopsis: Both agencies recognize the need and urgency for promoting research at the interface between the mathematical sciences and the life sciences. A direct relationship between a biological application and the mathematical and/or statistical work is expected. Research collaborations that include scientists from

both the life sciences community and the mathematical and statistical sciences communities are encouraged. Both new and existing collaborations will be supported. Proposals from individual investigators will need to make the case that the individual has expertise in both fields.

Department of Energy

Request for Information (RFI): Understanding Scale-up and Operational Challenges for Integrated Biorefinery Optimization

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=282158>

Response Date: April 6, 2016