Sept. 20, 2016

EVENTS

Graduate Student Grantsmanship Forum Details – Please pass along to graduate students

When: Friday, September 30, 2016
Where: Sloan Auditorium, Goergen 101
Time: 4:00-6:00pm

AS&E Graduate Studies is sponsoring a Fellowship Application Workshop which will teach you how to apply for fellowships. Come learn how the fellowship process works from University experts and get real-world advice from fellow graduate students on how to be successful candidates.

An overview of grant and fellowship preparation as well as institutional resources available to graduate students for assistance in preparing applications. Presentations will be given by Dean Melissa Sturge-Apple, assistant deans, Debra Haring and Cindy Gary, and staff from the College Writing, Speaking and Argument Center. Following the presentations, a panel of recent awardees will share their insights. Refreshments will be served.

*Please RSVP by Sept 26th at: https://goo.gl/forms/JDxJQnzUMMMr3UoX2

High Tech Rochester
NEXUS-NY Demo Day
Date: October 5, 2016, 5-9 PM
Rochester Public Market
Free event but Registration is required

DARPA Young Faculty Award (YFA) Proposers Day
Special Notice (SN) DARPA-SN-16-72
http://www.sa-meetings.com/YFAProposersDay
Date: October 3, 2016
**Synopsis:** The Proposers Day will be held on October 3, 2016 from 2:00 PM to 5:00 PM. The event will be held via webcast only. **Advance registration is required** for viewing the webcast. Note, all times listed in this announcement and on the registration website are Eastern Time.

*DARPA anticipates releasing the YFA RA by the end of September 2016.*

**NOTE on eligibility:**

- Proposers must be Tenure Track Assistant/Associate Professors or their equivalent at non-profit research institutions.
- Proposers must be **within 8 years of their tenure-clock/appointment start date at a U.S. Institution**, excluding any personal leaves of absence.
- Previous YFA Award recipients are ineligible for this or any future YFA program.
- Former DARPA Program Managers are not eligible to apply for funding under this program.

## FUNDING OPPORTUNITIES

### Internal Funding

**Technology Development Awards – Fall Round Announced**

**Deadline Pre-proposals is October 17th, 2016**

**Funding:** $40,000-$100,000

**Synopsis:** Awards are up to $100,000 for winning projects, and the opportunity is open to all faculty, staff, and students. Send submissions to Omar Bakht at omar.bakht@rochester.edu. Eligible projects propose development of technology to a commercial endpoint, and a requirement for the award is that an invention disclosure be filed with UR Ventures. Non-inventor developers can propose to develop technology that they did not invent. Click here for details.

### Clinical & Translational Science Institute

**Pilot Studies Program**

[https://www.urmc.rochester.edu/clinical-translational-science-institute/resources/pilot-studies-program.aspx](https://www.urmc.rochester.edu/clinical-translational-science-institute/resources/pilot-studies-program.aspx)

CTSI Pilot Studies Program provides seed funding for highly innovative translational and clinical research that addresses translational research questions, and provides insights generalizable to other projects. Research that moves new discoveries along the translational continuum to humans and the community is strongly encouraged. Clinical and community-based research, practice-based research, and health services
research proposals are also encouraged. Priority will be given to multidisciplinary research teams, and to proposals with a substantial component of or impact on population health.

**Internal Abstract Deadline: September 26, 2016**

**Incubator Program**

[https://www.urmc.rochester.edu/clinical-translational-science-institute/resources/incubator-program.aspx](https://www.urmc.rochester.edu/clinical-translational-science-institute/resources/incubator-program.aspx)

**Deadline: September 26, 2016**

The CTSI Incubator Program supports “super-pilot projects,” two years in duration, that are intended to accelerate innovative scientific discovery in the life sciences and public health, leading to new independently funded research programs. Each award is funded at a maximum level of $125,000 per year for each of two years. Faculty from all UR schools are eligible to apply.

**Limited Submission Opportunities**

**National Science Foundation**

**Scalable Nanomanufacturing for Integrated Systems (SNM-IS) NSF 16-604**


**Internal Deadline: October 28, 2016, NSF Full Proposal Deadline: January 13, 2017**

**Funding:** Awards will be in the range of **$250,000-$375,000 per year for four years**, depending on the scope of the work proposed. Grants may be awarded in a variety of sizes and durations. The total request for NSF funding for each project may not exceed **$1,500,000**.

**Program Synopsis:** This solicitation is in response to and is a component of the National Nanotechnology Initiative (NNI) Signature Initiative: Sustainable Nanomanufacturing - Creating the Industries of the Future ([http://www.nano.gov/NSINanomanufacturing](http://www.nano.gov/NSINanomanufacturing)). The emphasis of the Scalable Nanomanufacturing for Integrated Systems (SNM-IS) solicitation is on research in new nano-scale manufacturing concepts and integration methods to realize complex integrated systems based on nanotechnology. The research will focus on overcoming the key scientific and engineering barriers that prevent the translation of laboratory-scale discoveries in nano-enabled integrated systems to an industrially relevant scale, reliably, affordably and within sustainability and environmental, health and safety (EHS) guidelines. The goal of the SNM-IS solicitation is to study and formulate the fundamental principles of scalable nanomanufacturing and integration for nanotechnology-based integrated systems towards the eventual manufacture of useful nano-enabled products. The SNM-IS solicitation seeks proposals that investigate novel scalable nanomanufacturing and integration methods for nano-enabled integrated systems with a clear commercial relevance. Proposals should consider addressing key aspects of the nanomanufacturing value chain comprised of nano-scale buildingblocks → complex nanomaterials and nanostructures → functional components and devices → integrated sub-systems and systems.

**Number of Applications allowed from UR:** An academic institution – a university, or a campus in a multi-campus university -- may submit no more than one (1) proposal on which it is the lead organization in response to this solicitation. Instructions for submitting internal application: Internal applications must consist of (1) chair’s letter, (2) research abstract, (3) biosketch or CV, (4) budget (NSF budget template)
External Funding

National Science Foundation

NSF/Intel Partnership on Computer Assisted Programming for Heterogeneous Architectures (CAPA)


Deadline: December 15, 2016

Funding: $2-3 million per award for a duration of 3 years. 2-3 awards anticipated

Synopsis: An individual may participate as PI, co-PI, or senior personnel in no more than one proposal submitted in response to this solicitation. The NSF/Intel Partnership on Computer Assisted Programming for Heterogeneous Architectures (CAPA) aims to address the problem of effective software development for diverse hardware architectures through groundbreaking university research that will lead to a significant, measurable leap in software development productivity by partially or fully automating software development tasks that are currently performed by humans.

The high-level research objectives for CAPA are the following: Programmer Effectiveness; Performance Portability and Performance Predictability.

National Science Foundation

Scalable Parallelism in the Extreme (SPX) 16-605


Deadline: January 10, 2017

Funding: ~$400,000 per award, 2-4 duration

Synopsis: The Scalable Parallelism in the Extreme (SPX) program aims to support research addressing the challenges of increasing performance in this modern era of parallel computing. This will require a collaborative effort among researchers in multiple areas, from services and applications down to micro-architecture. SPX encompasses all five NSCI Strategic Objectives, including supporting foundational research toward architecture and software approaches that drive performance improvements in the post-Moore’s Law era; development and deployment of programmable, scalable, and reusable platforms in the national HPC and scientific cyberinfrastructure ecosystem; increased coherence of data analytic computing and modeling and simulation; and capable extreme-scale computing. Coordination with industrial efforts that pursue related goals are encouraged.
National Institute of Health

National Institute of General Medical Sciences (NIGMS)

Support of NIGMS Program Project Grants (P01) PAR-16-433

Upcoming Deadlines: January 25, 2017; May 25, 2017

Funding: An upper limit of $6,500,000 direct costs for the entire five-year project period may be requested. If fewer than five years are requested, the limit is prorated accordingly

Synopsis: This funding opportunity announcement (FOA) issued by the National Institute of General Medical Sciences encourages innovative, interactive Program Project grant applications from institutions/organizations that propose to conduct research which aims to solve a significant biological problem, important for the mission of NIGMS, through a collaborative approach involving outstanding scientists. The Program Project grant is designed to support research in which the funding of several interdependent projects as a group offers significant scientific advantages over support of these same projects as individual regular research grants. The maximum period is 5 years. Although a letter of intent is not required, is not binding, and does not enter into the review of a subsequent application, the information that it contains allows IC staff to estimate the potential review workload and plan the review. Applicants are strongly encouraged to contact NIGMS staff prior to submission.

National Institute of Allergy and Infectious Diseases
NIAID Career Transition Award (K22)
(PAR-16-434)

Deadline: Application Receipt/Submission Date(s): October 24, 2016 then Standard dates apply

Funding: contribute up to $ 50,000 per year toward the salary of the career award recipient. In the first year of the NIAID K22 award, the PD/PI may request up to $150,000 (direct cost), and $100,000 (direct cost) in the second year. The PD/PI will have discretion to utilize the award as needed by the research described in the application, within the limits designed for the PD/PI's Salary above.

Synopsis: The NIAID K22 award will provide two years of support to conduct biomedical research as an independent scientist at an extramural sponsoring institution/organization to which the individual has been recruited, been offered and has accepted a tenure-track full-time assistant professor position (or equivalent). This support is to allow the individual to continue to work toward establishing his/her own independent research program and prepare an application for regular research grant support (R01). The postdoctoral fellow, also referred to as a candidate, submits a K22 application from the institution where s/he currently pursues his/her postdoctoral research training.

FY2017 Office of Naval Research (ONR)
Young Investigator Program (YIP)
N00014-16-S-FO15

http://www.grants.gov/web/grants/view-opportunity.html?oppId=286980
Deadline: Full proposal only November 04, 2016 (White Papers are NOT allowed).

**Funding:** up to $170K p/year for 3 years may be requested for salary, graduate student support, materials and supplies, etc.; additional funds for equipment may be requested in the first year.

**Synopsis:** ONR's Young Investigator Program (YIP) seeks to identify and support academic scientists and engineers who are in their first or second full-time tenure-track or tenure-track-equivalent academic appointment, have begun their first appointment on or after 04 November 2011, and who show exceptional promise for doing creative research. The objectives of this program are to attract outstanding faculty members of Institutions of Higher Education to the Department of the Navy's research program, to support their research, and to encourage their teaching and research careers. Proposals addressing research areas (ONR Science and Technology (S&T) Department at [www.onr.navy.mil](http://www.onr.navy.mil)) which are of interest to ONR program officers will be considered.

Other Considerations: Applicants are STRONGLY ENCOURAGED to contact the appropriate Program Officer who is the point of contact for a specific technical area to discuss their research ideas. This is a very competitive program. In 2016, the success rate was <18%