EVENT

ARL Program Manager Visitor
Dr. Victoria L. Blair, US Army Research Laboratory, Materials Engineer
Date: Tuesday, April 19
Location and Time: Goergen 110, 11:00 am – noon
Topic: Energy Coupled to Matter – Examples of Field-Assisted Ceramics Processing at ARL
Please join and invite students that may have an interest

ITEMS OF INTEREST

University of Rochester is a member of NY-BEST https://www.ny-best.org/

Membership provides invites, discounts to events and webinars. Go to the web to subscribe to e-lists.

FUNDING OPPORTUNITIES

Internal Funding

Technology Development Fund

http://www.rochester.edu/tdf/

A new round of the Technology Development Fund has tarted. The fund awards winning applications from faculty, staff, or students up to $100,000 to develop their technology to a commercial endpoint. An invention disclosure filed with UR Ventures is required. New this round: non-inventor developers can propose to develop technology that they did not invent.

Deadline: Pre-proposals are due Friday, May 6, and can be submitted to Omar Bakht
External Funding

ASE maintains a fellowships database that can be searched, go to http://www.rochester.edu/fellowships/

Semiconductor Research Corporation

https://www.src.org/compete/grc/

Current Calls

**Call for Research in System Level Design** - due May 16, 2016 no later than 3PM EDT / 12PM PDT.

**Call for Research in Computer-Aided Design and Test** - due April 20, 2016 no later than 3PM EDT / 12PM PDT.

The Call-for-White-Papers, Needs Document, and instructions for web-based submissions can be found at https://www.src.org/compete/s201608/.

Anticipated Calls

- **Analog/Mixed-Signal Circuits, Systems and Devices call for research** - June 3, 2016

- **Innovative and Intelligent Internet of Things call for research** - July 5, 2016

Department of Energy – Funding Opportunities

- **Office of Energy Efficiency & Renewable Energy Funding Opportunity Exchange**
  https://eere-exchange.energy.gov/

  **Office of Science** issues a cross-cutting, open solicitation annually that is open year-round
  http://science.energy.gov/grants/foas/open/

ARPA-E Funding Opportunities

https://arpa-e-foa.energy.gov/

VentureWell – Student and Faculty Grants

**Student E-Team Grants** https://venturewell.org/student-grants/

Deadline: May 4, 2016
**Funding:** Stage 1 provides funding of $5,000 to attend a three-day workshop on how to better articulate the opportunity for the innovation in the marketplace. Remaining funds may be used to support further development of the project/product.

Stage 2 provides additional funding of up to $20,000. In a second workshop, teams develop their business model hypotheses and plans to test them. Six monthly coaching sessions follow, helping keep teams moving forward.

**Synopsis:** E-Team Program gives college students the chance to move new tech ideas out of the lab and classroom and into the marketplace. The three-stage program provides grant funding, experiential workshops, veteran coaching and a potential investment opportunity to help teams manifest their projects’ full commercial potential.

**Faculty Grants** [https://venturewell.org/facultygrants/](https://venturewell.org/facultygrants/)

**Deadline:** November 9, 2016

**Funding:** Up to $30,000 (typically much lower)

**Synopsis:** Two types of faculty grants: **Course & Program** grants and **Sustainable Vision** grants. Sustainable Vision proposals must lead to the development of technology innovations that **address poverty alleviation and basic human needs**.

Faculty grants support the creation of new courses and programs in which students develop ideas and gain the skills to bring them to market. Support new (or help modify existing) courses and programs that lead to the formation of E-Teams—multidisciplinary groups of students, faculty, and mentors working together to bring inventions to market. Help students learn by doing—gaining the entrepreneurial skills they need by actually forming a team and trying to make both the technology and business model work.

**NIH**

**Office of Research Infrastructure Programs/NIH/DHHS**

**High-End Instrumentation (HEI) Grant Program (S10) PAR-16-053**


**Deadline:** May 16, 2016

**Funding:** $600,000 - $2,000,000.

**Synopsis:** Office of Research Infrastructure Programs (ORIP) invites applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instruments or integrated systems that cost at least $600,000. The maximum award is $2,000,000. Types of instruments supported include, but are not limited to, X-ray diffraction systems, nuclear magnetic resonance (NMR) and mass spectrometers, DNA sequencers, biosensors, electron and confocal microscopes, cell-sorters, and biomedical Imagers. This FOA will use the NIH S10 Biomedical Research Support Shared Instrumentation Grants award mechanism. there are specific constraints on eligibility. Also please note that applicants will need time to discuss any cost-share or institutional support with their
respective deans and/or potential renovations to house the proposed instrumentation with a facilities official.

Special Considerations:

1) There is no limit on the number of applications an institution may submit, provided the applications are for different types of equipment;

2) No cost sharing mandated;

3) A Major User group composed of three individuals who have substantial need for the instrument must be identified. Each member of this group must be a PD/PI on a distinct NIH-funded research grant or cooperative agreement award in an area of basic, translational, or clinical research. Once the eligibility requirement has been met, additional users with active research awards from NIH or other sources may be added as Major or Minor Users. Investigators with funding from sources, e.g., NSF, DoE, DoD, private foundations or academic institutions can be added as Major Users provided they are engaged in basic, translational or clinical research and can demonstrate a substantial need for the instrument once the requirement of at least three NIH-funded Major Users has been met.

NIH

Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs (ORIP)

Shared Instrumentation Grant Program (S10) PAR-16-054


Deadline: May 16, 2016

Funding: $50,000 - $600,000

Synopsis: The ORIP Shared Instrument Grant (SIG) program encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instrumentation or an integrated system that costs at least $50,000. The maximum award is $600,000. Types of instruments supported include, but are not limited to, X-ray diffraction systems, nuclear magnetic resonance (NMR) and mass spectrometers, DNA and protein sequencers, biosensors, electron and confocal microscopes, cell-sorters, and biomedical imagers. This program will use the NIH S10 award mechanism.

NIH Upcoming Deadlines – Non-AIDS applications


*Limited submission instructions list and instructions go to http://www.rochester.edu/orpa/funding/limitedsub.html
NIH Research Project Grant (Parent R01) (PA-16-160) NEW – June 5, 2016

NIH Exploratory/Developmental Research Grant Program (Parent R21) (PA-16-161) NEW – June 16, 2016

NIH Small Research Grant Program (Parent R03) (PA-16-162) NEW – June 16, 2016
NIH Research Career Development Awards (K Series) renewal, resubmission, revision – July 12, 2016

https://researchtraining.nih.gov/programs/career-development/K01#

National Science Foundation

Expeditions in Computing 16-535


Deadline: Preliminary May 02, 2016; Full invited: January 18, 2017 (Next preliminary April 25, 2018)

Funding: Up to $2M per year over 5 years

Synopsis: To provide the CISE research and education community with the opportunity to pursue ambitious, fundamental research agendas that promise to define the future of computing and information. In planning Expeditions projects, investigators are encouraged to come together within or across departments or institutions to combine their creative talents in the identification of compelling, transformative research agendas that promise disruptive innovations in computing and information for many years to come. Expeditions represent some of the largest single investments currently made by the directorate. Together with the Science and Technology Centers CISE supports, Expeditions form the centerpiece of the directorate's center-scale award portfolio. With awards funded at levels that promote the formation of research teams.

National Science Foundation

Enhancing Access to the Radio Spectrum (EARS)


Deadline: May 03, 2016

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

Synopsis: Proposals submitted to the EARS program should address a grand challenge topic that covers multiple research areas. These areas of interest to the EARS program include those that impact a wide range of technologies, applications, and users. Examples: 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; Spectrum Access for Science Services. The EARS program intends to fund a broad portfolio across the various topical areas in the physical sciences, radio astronomy, engineering, computer and information science, and mathematics. New areas of collaboration are strongly encouraged; the EARS program aims to
support projects for which the collective effort by a group of researchers with complementary expertise is necessary to attain the scientific goals. The researchers in the group may come from more than one institution or organization.

DOD SBIR 16.2 and STTR 16.B Next Solicitation Schedules


SBIR/STTR Pre-release Begins April 22, 2016

SBIR/STTR Solicitation Opens May 23, 2016

SBIR/STTR Solicitation Closes June 22, 2016 at 6:00 a.m. ET