FUNDING OPPs & INFO

For Hajim School Researchers

Sept. 6, 2016

EVENTS

Conferences/Workshops

National Science Foundation Fall Grants Conference – registration opens Wednesday September 8, 2016 – this will book in 1 day so please get on the email notification list and register right away if you plan to attend.
http://www.nsfgrantsconferences.com/ehome/nsf/fall2016/
November 14-15, 2016
Pittsburgh, PA @ Carnegie Mellon University

NY-BEST Energy Storage Technology Conference
Annual Energy Storage Technology Conference
October 20, 2016, Marriott Syracuse Downtown.
The full agenda and program is now available, and can be viewed online by clicking here. UR is a NY-BEST members so member rates apply.

FUNDING OPPORTUNITIES

Limited Submission

Dana Foundation's David Mahoney Neuroimaging Program 2017

http://www.dana.org/grants/brain-and-immuno-imaging/howtoapply/

Deadline: Internal – October 7, 2016

Funding: $200,000 over 3 years

Synopsis: Selection will be extremely competitive, with fewer than 10% of preliminary proposals ultimately resulting in funding. Funds support pilot-testing by investigators, who are early in their research careers, to enable the pursuit of promising, high-risk, and innovative ideas that have a direct clinical application. Investigations must:

•be applicable to human brain or brain-immune functioning or malfunctioning.

•focus on imaging in patients or patient tissues, and healthy volunteers.

•provide preliminary evidence of feasibility, clinical applicability, and the investigator's experience in using the technology if developing new imaging techniques, or modify existing ones to address clinical questions.

•provide preliminary evidence, if proposing patient-oriented studies, that the required number of participants—patients and controls—are available at involved research institution.

•Fall under either or both: Physiological and Structural imaging, or Cellular/molecular imaging.

-Previously funded studies under this program have focused primarily on:

•understanding brain function, how it is altered by disease/injury, how it recovers;

•assessing and improving diagnostic and therapeutic approaches;

•refining & advancing imaging technologies to address clinical questions; and

•neurodegenerative diseases, such as Alzheimer's and Parkinson's disease, and mental illnesses such as schizophrenia and depression.

 Studies that seek to understand developmental processes of disease, surrogate measures of early disease existence, and measures of disease progression are encouraged. Note: Animal model studies of brain conditions or injuries will be considered only if they relate directly to humans but cannot yet be undertaken in humans, and could be translated into human research following the three-year grant period.

Internal Funding

Clinical & Translational Science Institute

Pilot Studies Program

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

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.

ASE Pump Primer I

https://www.rochester.edu/college/pumpprimer/one.html

Deadline: Rolling

Synopsis: Up to $5,000 for large proposal planning purposes or researcher mobility travel grants.

External Funding

National Institute of Health awardees

Research Supplements to Promote Diversity in Health-Related Research (Admin Supp)

http://grants.nih.gov/grants/guide/pa-files/PA-15-322.html

Deadline: Rolling

Funding: Direct costs for individual administrative supplements vary from less than $5,000 to more than $100,000 depending on the career level of the candidate. Administrative supplements end with the competitive cycle of the parent grant. Budget requests may also be limited by the awarding IC. See *Table of IC-Specific Information, Requirements and Staff Contacts* for more details

Synopsis: Designed to create a pipeline for under-represented individuals to help them overcome those barriers. Investigators with current NIH grants may apply for supplemental funding to recruit or retain under-represented trainees at various stages in their career, from high school students to early career principal investigators. In order to apply for the Diversity Supplement, investigators should have at least 2 years remaining on existing NIH grants to support a graduate student or postdoctoral fellow, or at least 1 year remaining for high school, undergraduate, or post-baccalaureate student support. Many Institutes or Centers accept these applications on a rolling basis, though some may have specific application deadlines. Applicants are strongly urged to consult the following Program Announcement (PA-15-322) for guidance and should contact their program officer prior to submitting an application.

National Science Foundation

NSF/Intel Partnership on Information-Centric Networking in Wireless Edge Networks (ICN-WEN) 16-586

http://www.nsf.gov/pubs/2016/nsf16586/nsf16586.pdf

Deadline: Letter of Intent (required) September 20, 2016. Full proposal: November 21, 2016

Funding: 2 - 3 awards are anticipated, each up to $3,000,000 total and of 3 years in duration

Synopsis: Next-generation wireless networks, utilizing a wide swath of wireless spectrum and an array of novel technologies in the wired and wireless domains, are on the cusp of unleashing a broadband revolution with promised peak bit rates of tens of gigabits per second and latencies of less than a millisecond. Such innovations will make possible a new set of applications such as autonomous vehicles, industrial robotics, tactile Internet applications, virtual and augmented reality, and dense Internet of Things (IoT) deployments. A key requirement of these applications is fast information response time that is invariant as a function of the bandwidth demanded, users/devices supported, and data generated, of which low-latency wireless access time is only one component. Intrinsic security, seamless mobility, scalable content caching, and discovery/distribution services are also essential for such applications.

This solicitation seeks unique data network architectures featuring an information plane using an Information-Centric Networking (ICN) approach and addressing discovery, movement, delivery, management, and protection of information within a network, along with the abstraction of an underlying communication plane creating opportunities for new efficiencies.

National Science Foundation

NSF/VMware Partnership on Software Defined Infrastructure as a Foundation for Clean-Slate Computing Security (SDI-CSCS) 16-582

http://www.nsf.gov/pubs/2016/nsf16582/nsf16582.pdf

Deadline: October 5, 2016

Funding: funding of up to $3,000,000 each over three years, and it is intended that NSF and VMware will co-fund each project.

Synopsis: This program will therefore explore the hypothesis that software defined infrastructure (SDI) enables realistic opportunities to revisit and improve the foundations of end-to-end computing security.

SDI is an architectural approach in which compute, storage, and networking resources are virtualized; that is, abstractions of physical capabilities are made available to applications or higher-level services in a way that is decoupled from the underlying physical infrastructure. To date, SDI has been realized most fully in the context of data-centers, but it can also be viewed as a foundation for related emerging contexts such as the Internet of Things (IoT). Novel security properties of SDI have been demonstrated, and meanwhile, compute, storage, and network virtualization techniques are rapidly maturing. An intriguing opportunity is to systematically explore and identify the full potential of SDI as a new foundation for clean-slate computing security(CSCS). The goal of this joint solicitation between NSF and VMware is to foster novel, transformative, multidisciplinary research that spans systems, networking, and security with the aim of exploring and creating groundbreaking new approaches to security based on the concept of SDI.

National Science Foundation

CISE Information and Intelligent Systems (IIS): Core Programs

Deadlines: October 19 – Medium and Large Projects; November 16 – Small Projects

Funding: Small Projects - up to $500,000 total budget with durations up to three years; Medium Projects - $500,001 to $1,200,000 total budget with durations up to four years; and Large Projects - $1,200,001 to $3,000,000 total budget with durations up to five years.

Synopsis: IIS supports research and education projects that develop new knowledge in three core programs: The Cyber-Human Systems (CHS) program; The Information Integration and Informatics (III) program; and The Robust Intelligence (RI) program. In any contiguous October through November period, an individual may participate as PI, Co-PI or Senior Personnel in no more than two Small, Medium or Large proposals submitted in response to the coordinated solicitation (where coordinated solicitation is defined to include the Information and Intelligent Systems (IIS): Core Programs, the Computer and Network Systems (CNS): Core Programs and the Computing and Communication Foundations (CCF): Core Programs solicitations.

NSF 16-123

Frequently Asked Questions (FAQs) for Large Proposals to the CISE IIS Core Programs of Cyber-Human Systems (CHS), Information Integration and Informatics (III), and Robust Intelligence (RI)

National Science Foundation

Directorate of Math and Physical Sciences

Condensed Matter and Materials Theory (CMMT) 16-596

Deadline: Rolling

Funding: range of $85,000 to $160,000 per year and of 2-4 years duration.

Synopsis: CMMT encourages potentially transformative theoretical and computational materials research, which includes but is not limited to: i) developing materials-specific prediction and advancing understanding of properties, phenomena, and emergent states of matter associated with either hard or soft materials, ii) developing and exploring new paradigms including cyber- and data-enabled approaches to advance fundamental understanding of materials and materials related phenomena, or iii) fostering research at interfaces among sub disciplines represented in the

Division of Materials Research. Research involving significant materials research cyberinfrastructure development, for example, software development with an aim to share software with the broader materials community, should be submitted to CMMT through Computational and Data-Enabled Science and Engineering (CDS&E) within its annual proposal submission window in the fall. The submission date of a proposal from an investigator, whether PI or co-PI, to the CMMT program cannot be within 6 months before or after the submission date of any proposal from that same investigator, whether PI or co-PI, to any DMR disciplinary research activity program.

National Science Foundation

Directorate of Math and Physical Sciences

Ceramics (CER) 16-597

http://www.nsf.gov/pubs/2016/nsf16597/nsf16597.pdf

Deadline: Rolling

Funding: ~$500,000 per award

Synopsis: An investigator may only have one submission to CER at a given time. Supports fundamental scientific research in ceramics (e.g., oxides, carbides, nitrides and borides), glass-ceramics, inorganic glasses, ceramic-based composites and inorganic carbon-based materials. Projects should be centered on experiments; inclusion of computational and theory components are encouraged. The objective of the program is to increase fundamental understanding and to develop predictive capabilities for relating synthesis, processing, and microstructure of these materials to their properties and ultimate performance in various environments and applications. Research to enhance or enable the discovery or creation of new ceramic materials is welcome. Development of new experimental techniques or novel approaches to carry out projects is encouraged. Topics supported include basic processes and mechanisms associated with nucleation and growth of thin films; bulk crystal growth; phase transformations and equilibria; morphology; surface modification; corrosion, interfaces and grain boundary structure; and defects.

EPA SBIR released
Small Business Innovation Research (SBIR) Phase I Solicitation
URL: https://www.epa.gov/sbir/sbir-funding-opportunities
Open Date: 08/30/2016 - Close Date: 10/20/2016