May 23, 2016

FUNDING OPPORTUNITIES

Internal Funding

PumpPrimer

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

Deadline: PumpPrimer II July 1, 2016.

Funding: Typical PumpPrimer II budgets will be $1-20K. In rare instances, budgets as large as $50K may be awarded. Cost-sharing with departmental resources is encouraged.

Synopsis: AS&E’s intramural seed funding program designed to stimulate extramural funding for projects otherwise difficult to launch. The increasingly competitive environment for extramural funding increases the need for proof of concept and/or pilot data in proposals and decreases funding of high-risk proposals. To help faculty secure extramural funding for bold new research directions, the Dean’s Office will provide funding for up to one year.

NOTE: Other Funding Available Under PumpPrimer: 1. PumpPrimer I: accepts applications on an ongoing basis. 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. 2. Researcher Mobility Travel Grants: International Research Collaboration Provides up to $5K to conduct overseas research visits (one to three months). Support for faculty research and expanding international collaborative networks. Questions give me a call - Cindy Gary, 273-5173 or email cindy.gary@rochester.edu.

Limited Submission

Pew Scholar Program in the Biomedical Sciences (2017)

http://www.pewtrusts.org/en/projects/pew-biomedical-scholars/program-details

Deadline: Internal Application Deadline: June 10, 2016 (Chosen Internal Nominee Notified by: July 1, 2016)
**Funding:** $240,000 over 4 years ($60,000/year)

**Synopsis: Topic/Discipline:** Biochemistry, Biology, Biophysics, Biotechnology, Cancer Biology, Cellular Biology, Chemistry, Chemical and Biomolecular Engineering, Developmental Biology, Ecology/Evolutionary Biology, Genetics, Immunology, Microbiology, Molecular Biology Molecular Pharmacology, Neuroscience, Pathology, Pharmaceutical Sciences, Physics. **Program Synopsis (a brief description of what types of projects they are interested in funding):**

For assistant professors who demonstrate outstanding promise as contributors in science relevant to human health. Strong proposals will incorporate creative and innovative approaches. Candidates whose work is based on biomedical principles, but brings in concepts and theories from more diverse fields, are encouraged to apply. Selection of candidates will be based on a detailed description of the work, evaluations of the candidate’s performance, and notable past accomplishments, including honors, awards and publications. **In evaluating the candidates, the National Advisory Committee gives considerable weight to evidence that the candidate is a successful independent investigator and has published significant work, ideally, in top journals.**

**Eligibility:** Candidates must have been awarded a doctorate in biomedical sciences, medicine or a related field. As of November 1, 2016, nominees must hold full-time appointments at the rank of assistant professor. On July 15, 2016, candidates must have been in such an appointment for less than three years (not appointed before July 15, 2013), whether or not such an appointment was on a tenure track. Candidates may be nominated by their institution two times in total. “Funding from NIH, other government sources, and project grants from non-profit associations do not pose a conflict with the Pew Scholars Program.”

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**External Funding**

**Department of Defense**

**Army Research Office**

**NEW - Proof of Concept Commercialization Pilot Program Innovation Corps @ Department of Defense (I Corps @ DoD)**

**W911NF-16-R-0003**

**Deadline:** September 15, 2016

**Funding:** $40,000-$70,000

**Synopsis:** Opportunity from current/recent grant awardees to receive mentoring and funding to accelerate the innovation of the funded research. Principle Investigators (PIs) to learn how to commercialize their discoveries / innovations. Winning proposers submit a budget and receive a $40,000-$70,000 grant as well as extensive training in product commercialization from industry experts and ‘serial entrepreneurs’. Modeled after the NSF I-Corps™ program. The key component of the I Corps @ DoD program is the I-Corps™ Team. The I-Corps™ Team is comprised of the PI, the Entrepreneurial Lead and the Mentor. The Entrepreneurial Lead is typically a postdoctoral researcher, graduate student, or other student, possesses relevant technical knowledge and a deep commitment to investigate the commercial landscape surrounding the innovation. The Mentor brings entrepreneurial experience and serves as the principal guide in determining the technology disposition – PIs can submit their own mentor or find one using the I-Corps™ Mentor Network.
National Science Foundation

I-Corps Team


Funding: Up to $50,000 per 6 month award. Recovery of indirect costs (F&A) is limited to $5,000.

Synopsis: NSF I-Corps Team (12-602) opportunity for NSF awardees within last 5 years. Eligibility to Apply: Applicants must have received a prior award from NSF (in a scientific or engineering field relevant to the proposed innovation) that is currently active or that has been active within five years from the date of the I-Corps Teams proposal submission. The prior award could range from a modest single-investigator award to a large, distributed center and also includes awards involving students such as REU Sites.

*The required lineage from a prior NSF award has been clarified to explicitly name, in addition to the Principal Investigator (PI), Co-PIs, Senior Personnel, Post Docs, Professional Staff or others who were supported under an NSF award to include any projects funded under the I-Corps site.

National Science Foundation

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


Deadline: August 10, 2016

Funding: Not to exceed $175,000 for up to 24 months. No summer salary, course buyouts, or academic year salary costs are allowed for the PI.

Synopsis: To support research independence immediately upon obtaining one's first academic position after receipt of the PhD, the Directorate for Computer and Information Science and Engineering (CISE) will award grants to initiate the course of one's independent research. Understanding the critical role of establishing that independence early in one's career, it is expected that funds will be used to support untenured faculty or research scientists (or equivalent) in their first three years in a primary academic position after the PhD, but not more than a total of five years after completion of their PhD. It is expected that these funds will allow the new CISE Research Initiation Initiative PI to support one or more graduate students for up to two years.

National Science Foundation

Division of Physics: Investigator-Initiated Research Projects (PHY) 16-566

Deadline: October 26, 2016

Funding: Varies on size of project

Synopsis: PHY supports physics research and education in the nation’s colleges and universities across a broad range of physics disciplines that span scales of space and time from the largest to the smallest and the oldest to the youngest. The Division is comprised of disciplinary programs covering experimental and theoretical research in the following major subfields of physics: Accelerator Science; Atomic, Molecular and Optical Physics; Computational Physics; Elementary Particle Physics; Gravitational Physics; Integrative Activities in Physics; Nuclear Physics; Particle Astrophysics; Physics of Living Systems; Plasma Physics (supported under a separate solicitation); and Quantum Information Science.

Department of Energy

National Energy Technology Laboratory/Department of Energy

DE-FOA-0001543

Enabling Technologies for Advanced Combustion Systems

http://www.netl.doe.gov/business/solicitations

Deadline: July 18, 2016

Funding: Awards ~$500,000 - $1.5M

Synopsis: Applications are being sought for applied research projects to develop enabling technology that address challenges with advanced combustion, to include two technology pathways: (1) pressurized oxy-combustion and (2) chemical looping combustion.

National Institute of Environmental Health Sciences/NIH/DHHS

Mentored Career Development Award in Biomedical Big Data Science for Intramural Investigators (K22)

RFA-ES-16-003--BD2K


Deadline: August 1, 2016

Funding: Support during the intramural phase will be based on the candidate's intramural salary structure and will be provided by the candidate's laboratory or branch. During the extramural phase NIH will contribute up to $ 185,100 per year toward the salary of the career award recipient. In the Extramural phase of the award NIH will contribute $40,000 per year toward the research development costs of the award recipient. NIH intends to fund a combined estimate of 6-7 awards.
**Synopsis:** The total project period may not exceed 4 years (one year intramural plus three years of extramural). National Institutes of Health (NIH) and its participating Institutes and Centers invite applications to provide support for outstanding basic or clinical investigators in the NIH Intramural Program to transition to independent, faculty level academic positions in the area of Big Data Science. The initiative is a two phase program which includes a mentored one year phase in an intramural appointment at NIH, and a second phase of up to three years of support at an extramural institution. The aim of the initiative is to support the additional training and transition of intramural scientists at any level of experience to be independent researchers as well as to work in a team environment to develop new Big Data technologies, methods, and tools applicable to basic and clinical research. This FOA will use the NIH K22 Career Transition Award mechanism.

**National Science Foundation**

Research Experiences for Undergraduates (REU) Site

[U.S. National Science Foundation](http://www.nsf.gov/pubs/2013/nsf13542/nsf13542.pdf)

**Deadline:** August 24, 2016

**Funding:** The typical REU Site hosts 8-10 students per year. The typical funding amount is $70,000-$120,000 per year, although NSF does not dictate a firm upper (or lower) limit for the amount, which depends on the number of students hosted and the number of weeks. Three years is the typical duration for REU Site awards in most NSF directorates; however, a duration of up to five years may be allowed in some cases.

**Synopsis:** a single individual may be designated as the Principal Investigator. This individual will be responsible for overseeing all aspects of the award. However, one additional person may be designated as Co-Principal Investigator if developing and operating the REU Site would involve such shared responsibility. The REU program seeks to expand student participation in all kinds of research--both disciplinary and interdisciplinary-encompassing efforts by individual investigators, groups, centers, national facilities, and others. It draws on the integration of research and education to attract a diverse pool of talented students into careers in science and engineering, including teaching and education research related to science and engineering, and to help ensure that these students receive the best education possible. REU projects may be carried out during the summer months, during the academic year, or both. REU Sites must have a well-defined common focus that enables a cohort experience for students. Sites may be based in a single discipline or academic department or may offer interdisciplinary or multi-department research opportunities with a coherent intellectual theme. REU Sites are an important means for extending high-quality research environments and mentoring to diverse groups of students. In addition to increasing the participation of underrepresented groups in research, the program aims to involve students in research who might not otherwise have the opportunity, particularly those from academic institutions where research programs in STEM are limited.

**National Science Foundation**

Dear Colleague Letter: Reproducibility and Robustness of Results (16-083)

Synopsis: No new funds rather to reaffirm that we continue to welcome proposals related to enhancing the validity of the data and outcomes of research in all GEO programs. Examples of community approaches include: 1) formal and informal inter comparisons of analytical techniques, instrumentation, and numerical models, 2) assessment and development of best practices, and 3) implementation of new data management policies and investments in cyberinfrastructure to make metadata and data available for critical examination and use throughout the scientific community. GEO also recognizes that educational activities that develop and promote scientific ethics, critical thinking and best practices in scientific research are also central to the continuous improvement of science and can be considered in the context of broader impacts.

Department of Energy
Advanced Research Projects Agency Energy (ARPA-E)

DE-FOA-0001598

Request for Information - Enabling Technologies for Ultra-Safe and Secure Modular Nuclear Energy Systems

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

DoD SBIR 16.2 & STTR 16.B Solicitations are Open for Proposals Today 5/23/16

You may now submit your Phase I and Direct to Phase II proposals for the SBIR 16.2 and STTR 16.B open solicitations through the DoD SBIR/STTR proposal submission website at https://sbir.defensebusiness.org

Details: https://sbir.defensebusiness.org/topics/instructions

Final Deadline: June 22, 2016