November 1, 2019

QC Internal Funding Announcement

Dear Colleagues,

The Provost's Office is pleased to announce two funding opportunities that will support your research and scholarship endeavors. They consist of the Research Enhancement Award program which is reactivated from our previous program, and the newly created Epsilon Award program.

These programs are created with funding from the Queens College Foundation, and with ideas from your feedback on research, input from the recently-formed Research Advisory Committee, the academic Deans, leadership in the Provost's Office, as well as budgetary considerations. While we believe they provide the best use of our limited resources in supporting your research, future changes may be made as new opportunities arise.

Aside from these QC research program initiatives, please keep in mind of other internal support opportunities within CUNY, including the <u>PSC-CUNY Research Award Program</u> and <u>CUNY's</u> <u>Junior Faculty Research Award in Science and Engineering program (JFRASE)</u>. More importantly, you are encouraged to explore funding opportunities from external sources, and we will be happy to assist you as needed.

For details of the program announcements, including submission guidelines, please check the following

- <u>Research Enhancement Award.pdf</u>
- Epsilon Award.pdf

Elizabeth Hendrey, Provost and Vice President for Academic Affairs Yongwu Rong, Associate Provost for Research and International Programs

Other Funding Opportunities from CUNY

<u>The CUNY Book Completion Award (BCA)</u> (Due: Monday, Dec. 16, 2019 at 5.00pm) The CUNY Office of Research Book Completion Award (BCA) grant program is accepting proposals from faculty for book projects that are in the development and prospectus stage, as well as for manuscripts that have been accepted for publication and are nearing the completion and submission stage. <u>Funds will be awarded on a competitive basis to faculty in the arts.</u> <u>humanities. social sciences and Professional school disciplines.</u> For detailed information, including proposal guideline and template, please visit the BCA webpage: <u>http://www2.cuny.edu/research/faculty-resources/internal-funding/book-completion/</u>

Curricula Design in Public Interest Tech Using OER (Due: Nov. 18, 2019)

Public Interest Technology (PIT) has been generally defined as technology for the public good. Since PIT is broadly defined, and an emerging discipline, there is a lack of available curricula that can be shared with the academic community in this area. Because of this, there is a need for shared curricula materials that can be adopted into university majors, general education offerings, tracks within a major, interdisciplinary minors, etc. This RFP calls for the creation of Open Educational Resources (OER) to create a body of curricula in PIT. We seek proposals from faculty in the humanities, public policy, law, and technology related areas, to create modules, courses, tracks within a major, minors, or majors in Public Interest Technology. More details at RFP PIT OER.pdf

Selected Funding Opportunities from NSF (some related to the 10 Big Ideas)

NSF INCLUDES (related to the 10 Big Ideas)

NSF INCLUDES Planning Grants are intended to build capacity in the community to undertake the activities necessary to establish future centers, alliances, or other large-scale networks to address a broadening participation challenge at scale

https://www.nsf.gov/pubs/2019/nsf19600/nsf19600.htm (Program Solicitation, Sept. 9, 2019)

NSF INCLUDES Planning Grants Solicitation - Q&A with NSF. Nov. 7, 2019, 1-2pm. <u>https://www.includesnetwork.org/events/event-description?CalendarEventKey=75e45c36-b795-</u> <u>426e-b663-4e901799027e&CommunityKey=5e902dcd-362e-47be-a076-16bc71e2f038&Home=</u> <u>%2fgroups%2fgroup-home%2frecent-community-events</u>

Growing Convergence Research (related to the 10 Big Ideas)

The grand challenges of today -- protecting human health; understanding the food, energy, water nexus; exploring the universe at all scales -- will not be solved by one discipline alone. They require convergence: the merging of ideas, approaches and technologies from widely diverse fields of knowledge to stimulate innovation and discovery.

<u>https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf19551</u> (Program Solicitation, Feb. 11, 2019)

Quantum Leap (related to the 10 Big Ideas)

Many of today's technologies -- lasers, computers, GPS and LEDs among them -- rely on the interaction of matter and energy at extremely small and discrete dimensions. By exploiting interactions of these quantum systems, next-generation technologies for sensing, computing, modeling and communicating will be more accurate and efficient. To reach these capabilities,

researchers need understanding of quantum mechanics to observe, manipulate and control the behavior of particles and energy at dimensions at least a million times smaller than the width of a human hair.

https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf19559 (Program Announcement, Feb. 19, 2019)

Campus Cyberinfrastructure (CC*)

The Campus Cyberinfrastructure (CC*) program invests in coordinated campus-level networking and cyberinfrastructure improvements, innovation, integration, and engineering for science applications and distributed research projects. Learning and workforce development (LWD) in cyberinfrastructure is explicitly addressed in the program. Science-driven requirements are the primary motivation for any proposed activity. <u>https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504748</u>

National Artificial Intelligence (AI) Research Institutes

Artificial Intelligence (AI) has advanced tremendously and today promises personalized healthcare; enhanced national security; improved transportation; and more effective education, to name just a few benefits. Increased computing power, the availability of large datasets and streaming data, and algorithmic advances in machine learning (ML) have made it possible for AI development to create new sectors of the economy and revitalize industries. For solicitation, check

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505686

A <u>program webinar</u> is scheduled for November 7, 2019 at 3:30 PM Eastern time. Please refer to <u>https://www.nsf.gov/events/event_summ.jsp?cntn_id=299439</u>

Biology Integration Institutes (BII) LOI: Dec. 20, 2019 (Implementation Proposals only). Full Proposal Due: Feb. 6, 2020. In the last century, the study of biology has slowly fragmented into subdisciplines, creating a dynamic tension between unifying principles and increasingly reductionist pursuits. While interdisciplinary approaches to biology are not new, and have had notable successes, disciplines continue to evolve and emerge, forming new connections while at the same time reinforcing boundaries created by their language and culture differences. Integration across biological disciplines is essential if we hope to understand the diverse and ever-increasing data streams of modern biology and tackle emergent questions about living organisms and the environment.

Track 1) Design (Abbreviated proposals for up to \$200,000 and no more than 2 years) Track 2) Implementation (Full proposals for up to \$12.5M and for five years)

Grant Announcement Letter (GAL) The October 2019 edition of the Grant Announcement Letter from the Office of Research and Sponsored Programs (ORSP) was sent out earlier from ORSP and is available at GAL-OCT 19.pdf

Two Scholarship Opportunities for Undergraduates in Division of Mathematics and Natural Sciences students for Spring 2020 (Deadline, Dec. 2, 2019)

1. <u>Kenneth Kupferberg Memorial Scholarship</u>. Up to Ten \$3,750 - \$7,500 scholarships for in-state undergraduates to cover tuition, books and fees.

<u>Selection Criteria</u>: academic excellence, financial need, and whenever possible to be awarded to immigrants or children of immigrants as Kenneth Kupferberg was the child of immigrant parents.

 Ira Spar Scholarship One or two scholarships (\$6000 total) for the outstanding Pre-Med junior(s) or senior(s) <u>Selection Criteria</u>: Merit and Financial Need. Registered and in good standing with the QC Health Professions Advisory Office

Details at: https://www.gc.cuny.edu/Academics/Degrees/DMNS/Pages/Scholarship-2019.aspx

Compiled by Poline Papoulis and Y.R.

Events

NSF's 10 Big Ideas. Some colleagues have expressed interest in this talk, but could not make it, Prof. Yunping Jiang has now provided the ppt that is now available at:

Grantsmanshop NSF 10 Big Ideas 2019Oct22 YPJ.pptx

In addition, some funding opportunities related to the 10 Big Ideas are provided above.

The next event, on the PSC-CUNY Research Award Program, wil be on Nov. 14, 3-5pm. Detailed info is below. Flyer available at

Flyer for the Grantsmanship Workshop

The PSC-CUNY Research Award Program

Speaker: Aleksandra Cataruzolo, PSC-CUNY **Date /Times:** Thursday, November 14, 2019, 3-5pm. **Location:** The Summit (The Flex Space) **Sign up** at Sign Up

Description. This will be an overview for the PSC-CUNY Research Award Program. The speaker, Aleksandra Cataruzolo, is a Program Administrator at PSC-CUNY and has been in charge of this program in recent years. Junior colleagues with less experience with this program are particularly encouraged to attend. More experienced colleagues are welcome as well and can share your own experience in addition to listening to the presentation. Refreshments provided.