

CUNY Advanced Science Research Center Seed Program 2017

Submission Deadline: Friday, February 3, 2017

The CUNY ASRC Seed Program is a funding opportunity for CUNY faculty to leverage research relationships at the CUNY Advanced Science Research Center (ASRC). The program encourages an interdisciplinary approach within one of the five initiatives of the ASRC: Nanoscience, Photonics, Structural Biology, Neuroscience and Environmental Sciences. These grants will fund research between tenured and tenure track faculty at CUNY colleges and faculty at the ASRC. Grants are up to a maximum of \$10,000 for a one year period (April 2017 – March 2018).

The primary goal is to seed research that will become the basis of new external grant proposals. The program will be administered by the Faculty Evaluation Committee.

It is strongly encouraged that you discuss your proposal, prior to submission, with an ASRC Investigator to ensure feasibility. However, it is expected that the PI take full responsibility for writing the proposal. See Appendix A for a list of ASRC Faculty and Core Facility Directors.

Eligibility

1. Only tenure-track or tenured faculty at CUNY campuses are eligible to apply. Research professors, lecturers, adjunct faculty, postdoctoral fellows, and full-time Higher Education Officers are not eligible.
2. Proposals require interdisciplinary research with faculty at the ASRC.
3. Proposals must demonstrate efficient use of ASRC resources and ASRC faculty expertise.
4. A faculty member may participate in and submit only *one* proposal for the present round of the competition.
5. Proposals without a clearly defined authentic research project are ineligible.
6. Research involving human or animal subjects must be approved by the Institutional Review Board (IRB) or Institutional Animal Care and Use Committee (IACUC) prior to the release of any funds. *Without IRB/IACUC approval funding will not be allocated for any human or animal subjects research.* For more information about IRB and human subjects research, visit:
<http://www.cuny.edu/research/compliance/human-subjects-research-1.html>
7. Awardees will be expected to present chief results from their SEED-funded research at an all-hands, public forum to take place at the ASRC near the end of the project period. At that event, they will also present plans for submitting a proposal to an external funding agency to extend the research initiated during their SEED grant. Additionally, awardees are required to submit a 3 page written report at the conclusion of the project period. Future eligibility for this program is contingent on compliance.

Proposal Evaluation

There will be an internal ASRC preliminary review to evaluate feasibility of each proposal.

Proposals moving forward will be reviewed internally by a faculty committee.

Proposals will be evaluated on the basis of the following criteria:

- technical quality of the research proposed
- the collaborative use of resources and faculty researchers at the ASRC to enable the proposed research project

Reviewers will also look for a demonstrated record of scholarly achievement and promise.

The potential for external co-funding (ex. by industry partners) will be viewed favorably.

Evaluations will not be made available to applicants.

All award decisions are final and appeals/reconsiderations are not allowed.

Funding

Budgets of up to a maximum of \$10,000 in tax-levy funds for a one year period (April 2017 – March 2018)

Grant funds may be used for items other than personnel services (OTPS) including research supplies, time on shared equipment at the ASRC or ASRC core facility user fees.

If work will be done during the summer, faculty summer salary is permitted. The maximum summer salary on any one proposal cannot exceed \$5,000.

Release time will not be supported by the ASRC Seed Program.

In all instances, funding is subject to the availability of funds and budgetary approvals.

Submission Guidelines

Complete proposals must be submitted via the online proposal submission form, which can be accessed through the following link:

http://asrc.formstack.com/forms/asrc_seedprogram_2017

The following documents must be uploaded at the time of proposal submission. All documents must be uploaded as PDF documents and named in the format specified below. All documents must be submitted on the appropriate forms, which can be downloaded at the following link:

<http://www.asrc.cuny.edu/faculty-opportunities/seed-program/>

Note: *The Signature page and full proposal are all available for download as Microsoft Word documents but must be converted to PDF format after completion and before submission. Only PDF documents will be acceptable.*

Signature page: a scanned copy including PI and college Grants Officers endorsement signatures are required. **ASRC Investigators do not need to sign the signature page.**
File name: R20_LastNameOfLeadPI_signature.pdf

Full proposal: to be submitted on the proposal template available for download online. See full requirements below.
File name: R20_LastNameOfLeadPI_proposal.pdf

The full proposal document must comprise the following:

1. **Proposal Summary:** 200 words maximum. Please include project title and the names/affiliations of the PI and all co-PIs.
2. **Narrative description of the project:** No more than three pages single-spaced, exclusive of references and citations, with one-inch borders and 12-point type. The role of each investigator must be clearly stated
3. **Biographical sketch:** From each participating faculty member: submitted in a 2-page NSF or NIH format
4. **Proposed budget:** For the 1 year funding period
5. **Budget justification:** Clearly indicate the distribution of resources and justify the request with proposed interactions at the ASRC.
6. **List of current and pending funds,** including no cost extensions and startup funds. This section must list the percent effort to existing /pending grants and percent effort for current proposed research.

Note: Incomplete proposals will not be accepted by the online process

Submission Timetable

Complete submissions must be uploaded by **5:00 PM on Friday, February 3, 2017**

Please direct any questions to:

Adam Greenberg

Grants Director – Advanced Science Research Center

Adam.Greenberg@asrc.cuny.edu

We anticipate that funding decisions will be made in March 2017.

Appendix A.**ASRC Faculty and Core Facility Directors as of October 2016**

Name	Email	Research Interests
Nanoscience Initiative		
Rein Ulijn Director	Rein.Ulijn@asrc.cuny.edu	Responsive materials, peptide nanotechnology, bio/nano interfaces, bio/electronic interfaces, self-assembly, adaptive systems
Elisa Riedo Professor	Elisa.Riedo@asrc.cuny.edu	Nano-confined Liquids; Nanotribology; NanoMechanics; Nanopatterning of chemical modified surfaces
Adam Braunschweig Associate Professor	Adam.Braunschweig@asrc.cuny.edu	Solar energy, carbohydrate nanotechnology, 4D printing, Nanopatterning, Responsive Materials, Organic Materials, Self-Assembly
Xi Chen Assistant Professor	Xi.Chen@asrc.cuny.edu	Bio-inspired materials, Energy harvesting, Nanomechanics, Sensors, and Actuators
Jacob Trevino Director, NanoFabrication Facility	Jacob.Trevino@asrc.cuny.edu	Photonics, Plasmonics, NanoFabrication, Microelectromechanical systems (MEMS), Microfluidics
Tong Wang Imaging Facility Manager/Research Assistant Professor	Tong.Wang@asrc.cuny.edu	Electron microscopy, cryo-EM, single particle reconstruction, protein structures, DNA, self-assembly, bionanotechnology,
Tai-De Li Surface Science Facility Manager/Research Assistant Professor	Tai-De.Li@asrc.cuny.edu	Soft materials, nanobioscience, nanorheology, mechanobiochemistry, nano-surface science
Neuroscience Initiative		
Patrizia Casaccia Director	Patrizia.Casaccia@asrc.cuny.edu	Neurobiology (developmental myelination, axonal damage), microbiome (gut-brain cross talk and lipid metabolism), epigenetic regulation in glia and neurons in the brain (effect of environment on gene expression)
Jia Liu Research Associate Professor/Epigenetics Core Facilities Manager	Jia.Liu@asrc.cuny.edu	Epigenetic regulation of glia and neurons, effects of stress on gene expression changes, behavioral analysis from psychiatric disorder
Structural Biology Initiative		
Kevin Gardner Director	Kevin.Gardner@asrc.cuny.edu	Structural biology, NMR spectroscopy, X-ray crystallography, protein/ligand interactions, biochemistry

Amedee des George Assistant Professor	Amedee.desGeorges@asrc.cuny.edu	Structural and functional study of the regulation of large macromolecular complexes using cryo-electron microscopy.
Bruce Johnson Sr. Research Director, Computational Sciences	Bruce.Johnson@asrc.cuny.edu	NMR (Nuclear Magnetic Resonance) data analysis including signal processing and visualization NMR Metabolomics
James Aramini NMR Facility Manager/Research Assistant Professor	James.Aramini@asrc.cuny.edu	Protein structure and dynamics using Nuclear Magnetic Resonance spectroscopy
Rinat Abzalimov Biomolecular Mass Spectrometry Facility Manager/Research Assistant Professor	Rinat.Abzalimov@asrc.cuny.edu	Biomolecular mass spectrometry, protein structure and dynamics, macromolecule/liquid interactions
Environmental CrossRoads Initiative		
Charles Vorosmarty Director	Charles.Vorosmarty@asrc.cuny.edu	Earth system science, hydrology and water resources, metro and regional-scale environmental analysis
Peter Groffman Professor	Peter.Groffman@asrc.cuny.edu	Microbial ecology, biogeochemistry of soils and water, urban ecology, nutrient cycling
Zachary Tessler Research Assistant Professor/Coastal Science Synthesis Facility Manager	Zachary.Tessler@asrc.cuny.edu	River Delta risk and sustainability, coastal oceanography, land ocean interaction
Brian Giebel ALCIS Facility Manager/Research Assistant Professor	Brian.Giebel@asrc.cuny.edu	Atmospheric Chemistry, Geochemistry, Isotope Ratio Mass Spectrometry, Gas Chromatography, Stable Isotope Reference Standardization and Calibration Techniques