Cooler temperatures are on their way as we embark on the Fall 2020 semester and the start of a new academic year. Welcome and welcome back to both new and returning members of the Baruch College community. I hope this issue of Eye On Research finds you all healthy, safe and looking forward to a productive academic year. The SPAR staff are all well and have been busy working for you all throughout the summer.

As the first issue for the 2020-2021 academic year, there’s lots to report. First, Krista Dobi (Natural Sciences) was awarded Baruch College’s first ever NIH-SCORE grant and Pablo Peixoto (Natural Sciences) followed with a $1.4 million award. In addition, Tatiana Emmanouil (Psychology) was awarded for her research from the NIH and Krista Dobi, yet again, this time from NSF. They are each being featured in this month’s issue. Please join me in congratulating them all!

In addition, SPAR has been busy finding new ways to provide the highest level of service to everyone. Instead of only email, SPAR seeks to restore a personal touch to help you all over hurdles, small and large, by adopting MS Teams. We have re-evaluated and clarified policies and penned a few new ones. Additional details are included in this issue.

Also, included is the upcoming PSC-CUNY program announcement, news item and the schedule of SPAR’s workshops at the lower left column of this page. All workshops will be offered remotely. If there are research ideas that you would like to discuss contact us at SPARproposalinquiry@baruch.cuny.edu

Please feel free to reach out to me or any member of the SPAR team with any questions or concerns you may have. Have a great semester!

What is NIH Support for Competitive Research Program (SCORE)

SCORE is a NIH research program created to leverage the research environment of Higher Education Institutions with a stated mission or historical track record within the previous 10 years of training and graduating students from backgrounds under-represented in biomedical research. The program propels an institution’s research environment by increasing the research competitiveness of its faculty. The SCORE program leverages scholarly productivity and career development of faculty, undergraduate and graduate students through the funding of successful SCORE awards. Eligibility for SCORE grants opens a new stream of funding opportunities for Baruch College’s STEM and health faculty researchers.
NEW AWARDS

Pablo Peixoto – Dept. of Natural Science – National Institutes of Health - $ 1,420,647
“Retraction or reshaping: dissecting the role of mitochondrial ROS in synaptic plasticity”

Dr. Peixoto scored an NIH SCORE grant! This NIH funding mechanism is one of NIH’s latest grant program’s effort to upscale and leverage the research environment of Higher Education Institutions with current limited NIH funding. Funding from this grant will enable Dr. Peixoto to study how neurons constantly rewrite their connections and adapt to ever changing levels of activity, as this process is known to be impaired after certain types of brain injury, and during age-related neurodegeneration. One of the objective of this project is to identify what neuronal factors are responsible for this rewiring process through the use of transgenic fruit flies that Dr. Peixoto and his research team engineered to specifically control and measure the strength of discrete neuronal connections. The results will have a direct impact in drug design and treatment interventions for age-related neurodegenerative diseases. This NIH award will fund undergraduate and graduate research working in Dr. Peixoto’s lab, as a result scholarly productivity and career development of these students will be leveraged. One of the main objectives of the SCORE funding mechanism is to enhance the participation of students from groups underrepresented in biomedical, clinical, behavioral, and social sciences. This award represents one of the most recent major shifts strengthen and improve the research environment in the Department of Natural Sciences of the College.

Krista Dobi – Dept. of Natural Science – National Science Foundation - $446,909
“MRI: Acquisition of a laser scanning confocal microscope for cellular imaging for faculty and students at Baruch College”

A team of faculty in the Natural Science Department received an NSF awards for the purchase of a laser-scanning confocal microscope system and three-dimensional rendering software for state-of-the-art imaging of research samples. The team lead by Dr. Dobi is comprised of Drs. Peixoto, Gaffney, Wauchope, Schawaroch, Eisenman, Spokony, Calamari, and Bengston. This microscope drastically increases the imaging capabilities of the Natural Science Department and will benefit at least nine research groups within the department and their collaborators, whose broad and multidisciplinary research objectives include multi-color imaging of fixed and live samples, time-lapse imaging, quantitative fluorescence, photo-activation, visualization of subcellular structures and organelles, spectral analysis, 3-D rendering and imaging of complex tissues. Immersion in research environments and exposure to cutting-edge technologies play a vital role encouraging underrepresented students to pursue STEM careers, making this award another important milestone for Baruch College in its mission to make a commitment to fostering participation of these students in the sciences. These students will gain hands-on experience in modern research practices and technologies while participating in faculty research and courses for majors, making them competitive for graduate programs, fellowships and jobs.

BARUCH COLLEGE

NEW AWARDS

Zhiquing Zhou – Dept. of Psychology – National Science Foundation - $343,747,00
“Collaborative Research: Leader Behaviors and Experiences Across Life Domain”

Individuals in leadership roles represent a large group of the workforce, and their behaviors can affect their subordinates, the organizations, and people in their nonwork domains. Little is known about potential nonwork domain (family, community, and personal life) antecedents and consequences of leadership role occupancy, leadership development, and day-to-day variation of their leadership behaviors. Dr. Zhou examines non-work domain (family, community, and personal life) antecedents and consequences of leadership role occupancy, leadership development, and day-to-day variation of leadership behaviors. Specifically, it takes a life-span and holistic approach to analyze how nonwork domain variables, such as community involvement and volunteering activities, lead to and are shaped by leadership role occupancy. Further, the project examines how nonwork domain experiences might promote leadership development and how leadership development might contribute to leaders’ growth and thriving in other nonwork domains. Lastly, the project explores how and when leaders’ day-to-day behaviors and their nonwork domain experiences mutually influence each other. These findings will inform business organizations seeking to promote leadership to facilitate their economic competitiveness, and will also inform society regarding how leadership in one context, may contribute to the welfare of organizations more generally. Dr. Zhou’s research mainly focuses on employee health, and well-being inside of the workplace environment and outside of the workplace setting.

Tatiana Emmannoul – Dept. of Psychology – National Institutes of Health - $338,929
“Neural correlates of ensemble perception”

Our environment contains large sets of similar objects, for example leaves on a tree or cars in a highway. Our brains compress large amount of information from these complex visual scenes by representing groups of similar objects by their ensemble properties (for example the average size of the leaves or the average speed of the cars). Dr. Emmannoul and collaborator, Anjali Krishnan of Brooklyn College will test the hypothesis that ensemble properties are computed early in visual information processing and can be decoded from activity in early areas of the visual cortex. The experiments in this project will provide insight about when and where in the brain we statistically summarize object groups. The results will expand our understanding of how we can process complex visual scenes despite our limited ability to encode visual details. In addition, this project could contribute to fields related to the evaluation and rehabilitation of patients with neurological disorders who may experience difficulty with complex scene processing. An Assistant Professor in the Department of Psychology, Dr. Emmannoul’s work focuses in investigating the cognitive and neural mechanisms of vision in humans. Her work spans the fields of visual attention, awareness, and memory as it attempts to understand how we process, store and experience the complex visual world that surrounds us.
Steven Young – Dept. of Psychology – National Science Foundation - $105,999.00
“Collaborative Research RAPID: Using Psychological Science to Support Social Distancing During Pandemics: Developing Methods to Balance Affiliation and Disease-Avoidance Motivations”

At the onset of the current pandemic Dr. Young initiated a research effort to study the behavioral implications of the Social Distancing strategies to reduce transmission of COVID-19. This NSF funded project is designed to achieve two important outcomes. First, this research will examine how different forms of virtual socializing (e.g., text messages, video chats) can help people feel connected with friends and family during pandemics, when direct social contact is discouraged. Second, the research aims to use this knowledge to help people engage in social distancing behaviors that prevent disease spread while avoiding the psychological stress caused by feelings of loneliness. Overall, this project will outline how people can meet their need for social contact while also staying safe and preventing disease spread. The research will be carried out by researchers at the City University of New York and University of Southern Mississippi. Data collection be conducted online to attract a large and diverse group of participants from across the United States. Dr. Young's research focuses on how face memory and the decoding of emotional expressions are shaped by contextual and situational factors, and how social contexts and motives influence how accurately perceivers’ decode emotional expressions.

RFCUNY - BARUCH COLLEGE SPAR NEWS
RFCUNY’s Enhanced Proposal Peer Review

The APPS’ Proposal Peer Review service at the Research Foundation, CUNY (RFCUNY) will expand the services it offers beyond NSF and some NIH grants to include proposals from all different academic disciplines, for all different types of funder types. Although this new service emphasizes support for developing proposals to all NSF programs, NIH programs, and all Department of Education (DoE) programs for individual faculty, proposals to private foundations, corporations, and state/local government programs will benefit from this service expansion.

The Proposal Peer Review service is an opportunity for CUNY faculty to receive constructive feedback on the competitiveness of their external grant proposals from colleagues in their own academic field. Proposal peer reviewers are recruited from inside the CUNY community, across the nation, and worldwide.

Visit Proposal Peer Review System. If you previously participated in this initiative (prior to April 15, 2019), you will need to kindly re-register. If you have any questions or concerns, please reach out to apps@rfcuny.org.

Engage with SPAR with MS Teams
In preparation for the Fall semester SPAR has adopted MS Teams to facilitate the interactions and support we provide to Baruch faculty, staff, and administrators. We ask that all faculty members and staff download and claim their MS Teams accounts at CUNY Web Applications. Login page, with your CUNYFirst login ID and password to be able to better engage with the Office of Sponsored Programs and Research. Need help? Find it here.

Teams also allows SPAR to create a real time centralized “Research Faculty” Team that will serve as a repository for guidance, workshops and research discussion topics. Upon activation of your MS Teams account, SPAR will add you to this Team to allow you access.

SPAR Grant Proposal Submission Policy
Effective 9/1/2020 SPAR’s guidelines for proposal submission requires that SPAR be informed of intentions to submit an application with enough time in advance of the funding agency deadline. In order to ensure that every proposal is of the highest quality for submission and potential success, SPAR would ask that the following engagement timeline be followed. The sooner SPAR is involved the better the outcomes. The full Proposal Submission Policy can be found here.

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<tr>
<th>When to Contact SPAR</th>
<th>As soon as known or at least 10 business days before due date</th>
<th>5 Business Days</th>
<th>2 Business Days</th>
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<td>(In Advance of Sponsor Deadline)</td>
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<td>Notice/e-mail of intent to submit a proposal</td>
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<td>Complete Application (CA), RFP, IRB, etc.</td>
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<td>Funding Opportunity Announcement (FOA) link</td>
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<td>Complete Application Narrative &amp; all other technical components of proposal</td>
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<td>Final Application must be submitted with any revisions/recommendations requested by SPAR</td>
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Visit Proposal Peer Review System.
Changes to the Release Time Policy
The percentage effort for a reassigned course when applying to research and/or sponsored funding has been changed to 16.67%. Faculty members of Baruch College seeking to charge reassigned time budgeted in your grant award must:

1. Notify the SPAR Office before your course reassignment takes effect.
2. Complete a RF CUNY Staff Effort Notice.
3. Submit the Staff Effort Notice to the SPAR Office for signature.
4. Upon receipt, the SPAR Office will send the form to the Research Foundation for processing. Further information and instructions on the current Release Time Policy can be found here. Any questions please contact Tara Smith at tara.smith@baruch.cuny.edu or 646-312-2204 or Zolicia Abotsi at zolicia.abotsi@baruch.cuny.edu or 646-312-2211

NSF Updated Approved Formats for Biographical Sketch and Current and Pending Support Documents
For all proposals due on or after October 5, 2020, the NSF will only receive biographical sketches and current and pending forms created with through the following two approved formats:

• SciENcv - (Revised May 1, 2020) NSF has partnered with the National Institutes of Health (NIH) to use SciENcv - Science Experts Network Curriculum Vitae as an NSF-approved format for use in preparation of the biographical sketch section of an NSF proposal. Adoption of a single, common researcher profile system for Federal grants reduces administrative burden for researchers. SciENcv will produce an NSF-compliant PDF version of the biographical sketch. Proposers must save these documents and submit them as part of their proposals via FastLane, Research.gov or Grants.gov.

• NSF Biosketch Fillable PDF & NSF Current and Pending Support Fillable PDF - (Revised May 1, 2020) NSF is providing a fillable PDF for use in preparation of the biographical sketch and current and pending support format. Proposers will be able to download it from this page, complete the form, and upload it as part of their proposal via FastLane, Research.gov or Grants.gov.

For additional information, see the NSF pages for the biographical sketch and current and pending support.

Conflict of Interest (COI) Form and Training
Please remember to complete a Conflict of Interest form (COI) before submitting a research proposal. NOTE: If you report a conflict, the supplemental form must be submitted simultaneously with the mandatory conflict of interest form. The complete policy and procedures can be found at CUNY Conflict of Interest. All investigators engaging in research related to any Public Health Service (PHS) funded grant or contract, Conflicts Committee members, and all CUNY College Conflicts Officers are required to complete the CITI training in Conflict of Interest (COI).

Responsible Conduct of Research (RCR) Certificate
All CUNY faculty, staff, postdoctoral scholars, graduate and undergraduate students involved in research are required to complete the CITI Program training for Responsible Conduct of Research (RCR). RCR training certificate will be valid for four years. CUNY researchers are required to take a refresher CITI RCR training course every four years. CUNY’s Policy on Training in Responsible Conduct of Research is available here. The RCR training can be accessed at CITIProgramRCR. Completed certificate must be sent to the Office of Sponsored Programs and Research at SPAR@baruch.cuny.edu. If you have any question, please contact us. NOTE: SPAR cannot proceed with proposal submission if proof of Responsible Conduct of Research Certificate is not received.

Office of Research Compliance & Outreach
Keisha Peterson is the Director of Research Compliance & Outreach. If you have questions regarding Baruch College’s Human Subjects Research Policies, Export Control, and IACUC contact Keisha Peterson at 646-312-2217 or keisha.peterson@baruch.cuny.edu.

Human Research Protection Program (HRPP)
The CUNY Human Research Protection Program (HRPP) is responsible for the protection of the rights and welfare of human subjects in research projects conducted at CUNY or by CUNY faculty, staff and students and RF CUNY staff. The complete policies and procedure can be found at https://www2.cuny.edu/research/research-compliance/human-research-protection-program-hrpp and https://www.baruch.cuny.edu/hrpp.

Export Control
CUNY is committed to maintaining an open teaching and research environment that supports the global benefit of our academic and research endeavors. At the same time, the University remains equally committed to complying with export control regulations pertaining to the conduct of our research and the dissemination of its products. https://www2.cuny.edu/research/research-compliance/export-control/

Institutional Animal Care and Use Committee (IACUC)
Establishes College/School policies and procedures for the local animal program to ensure compliance with all applicable regulations.
GRANT OPPORTUNITIES

NIH Loan Repayment Programs Application
The application cycle opened this year on September 1 and closes on November 20. Now is the ideal time to inform your colleagues about the many benefits of the LRP. Approximately 1,500 researchers benefit from the more than $70 million the NIH invests each year.

Participants in the NIH Loan Repayment Programs (LRPs) can receive up to $100,000 of qualified educational debt repayment with a two-year contract. The NIH invites qualified health professionals who contractually agree to engage in NIH mission-relevant research for an average of at least 20 hours each week for at least two years, initially, to apply for an award in the Extramural LRP. The Extramural LRP repays up to $50,000 annually of a researcher’s qualified educational debt in return for a commitment to engage in NIH mission-relevant research at a domestic, non-profit, or government entity. Research funding from NIH is not required to participate in the Extramural LRP. LRP awards are based on an applicant’s potential to build and sustain a research career.

Deadline: November 20, 2020
https://www.lrp.nih.gov/eligibility-programs

Russell Sage Foundation Grants
The Russell Sage Foundation (RSF) has long supported social science research with the aim of improving social and living conditions in the United States. Letters of inquiry are accepted under the following core programs and special initiatives:

Immigration and Immigrant Integration (III): The Russell Sage Foundation/Carnegie Corporation Initiative on Immigration and Immigrant Integration seeks to support innovative research on the effects of race, citizenship, legal status and politics, political culture and public policy on outcomes for immigrants and for the native-born of different racial and ethnic groups and generations.

Race, Ethnicity and Immigration (REI): The Russell Sage Foundation is especially interested in research that examines the roles of race, ethnicity, nativity, gender and legal status in outcomes for immigrants, U.S.-born racial and ethnic minorities, and native-born whites.

Social, Political and Economic Inequality (SPEI): The Russell Sage Foundation seeks innovative investigator-initiated research that will expand our understanding of social, political, and economic inequalities and the mechanisms by which they influence the lives of individuals and families.

Deadline: November 11, 2020 (LOI) 2PM ET
https://www.russellsage.org/how-to-apply

New ERA Women’s Writers Program
Funding for this program is aimed towards writing professionals, teachers, counselors, professors to start or continue programs to support creative writing for women. This program supports all areas of writing supporting women writing aspirations: Journalism, Fiction, Poetry, Prose, Blogging, Novel, Autobiography, Book Reviews, Comic Strips, Diaries, Essays, Fables, etc. Non-English language programs are included as part of this program’s funding.

Programs can be Workshops, Writing Clubs, Curriculum Based Programs, After-school programs, Summer Programs, Retreats, etc. Applications can’t exceed $25,000.

The program requires that applicants:
- Provide program space for safe and inspiring environment
- Partner with Community Partnerships or On-Staff Writing Professionals or Teachers with Writing Degrees or who Minored in Writing or any Humanities, Liberal Arts or other degree that taught or encouraged writing.
- Direct towards and encouragement of women to learn to write or hone their existing skills and love of writing.
- Implement, Transform or Continue an existing writing program geared towards women and girls.

https://ctbfoundation.org/newera
Deadline: Letters of Inquiry accepted anytime
https://ctbfoundation.org/

The Nathan Cummings Foundation Grants
Cornelia T. Bailey Foundation Grants
2020 P/Arts Program
P/Arts stands for Philanthropic Arts it seeks to catalyze accredited schools and universities to implement or enhance programs utilizing art and art education in daily curricula, early childhood education and to assist alternative learners. The P/Arts Program was created to encourage partnerships within the philanthropic, arts and education communities.

Organizations applying for P/Arts funding must be using performing and/or visual arts education to help enhance or Transform Existing Outdated Public School Curricula.

https://ctbfoundation.org/participate

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https://ctbfoundation.org/newera
Deadline: Letters of Inquiry accepted anytime
https://ctbfoundation.org/

The Nathan Cummings Foundation
The Foundation will address climate change as a consequence of progress in human development and economic prosperity, and will fund promising work that helps activate American ingenuity in pursuit of three interrelated goals: increasing access to modern energy for the world’s poor; stabilizing greenhouse gas concentrations in the atmosphere at a low level; and improving resilience for those most vulnerable to the negative consequences of climate variability and change.

Deadline: Applications accepted anytime.
http://ncf.org/how-apply
GRANT OPPORTUNITIES

EPA - Center for Early Lifestage Vulnerabilities to Environmental Stressors
The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications to support a Center for Early Life-stage Vulnerabilities to Environmental Stressors. EPA is interested in supporting a transdisciplinary research center to better understand potential causal relationships among cumulative exposures to chemicals and non-chemical environmental stressors during early lifestages and modifying factors that result in adverse developmental health effects. Developmental health outcomes may include attention deficit/hyperactivity disorder (ADHD), reduced IQ, obesity, lessened self-regulatory capacities, anxiety, depression, attention problems, lower memory function, or structural changes to the brain.
Deadline: November 12, 2020 11:59 PM
https://www.epa.gov/research-grants/center-early-lifestage-vulnerabilities-environmental-stressors

Community Solutions for Health Equity
Consumer groups and community-based organizations bring a deep understanding of community needs, assets, and culture to health care ecosystem work. The health care ecosystem includes the full spectrum of organizations and social structures that impact a person’s health and health care. Too often, the priorities of health care systems (hospitals, providers, and insurers) do not line up with the priorities of community-based organizations and the consumers living in the communities to whom the health care systems are providing service.
Deadline: October 7, 2020 3:30 PM ET Letter of Intent (LOI);
January 18, 2021 3PM ET Full Proposal

Alfred P. Sloan Foundation - Major Program Areas Grants
The Alfred P. Sloan Foundation major program areas. (1) Sloan Research Fellowships (2) STEM Research - Grants to support original, high-quality research in the natural sciences, engineering, and mathematics. (3) STEM Higher Education - Grants to improve the quality and diversity of higher education in science, technology, engineering and mathematics. (4) Public Understanding of Science, Technology, & Economics - Grants to expand the public understanding of science and technology through the use of books, radio, film, television, theater, and new media. (5) Digital Information Technology (6) Economics (7) Energy and Environment - Grants to advance our understanding of the economic, environmental, security, and policy trade-offs associated with the increased deployment of low- and no-carbon resources and technologies and the resulting impacts on the quality of American life. (8) Select Issues - Grants that support unique opportunities or projects that advance a significant interest related to the Foundation’s mission but not directly covered by other Foundation grant making programs. (9) Civic Initiatives - Grants for projects that benefit the New York City metropolitan area in ways consonant with the Foundation’s mission.
Deadline: Letters of Inquiry are accepted anytime
http://www.sloan.org/major-program-areas/

Andrew W. Mellon Foundation Grants
The Andrew W. Mellon Foundation seeks to strengthen, promote, and defend the centrality of the humanities and the arts to human flourishing and to the wellbeing of diverse, fair, and democratic societies. Prospective grantees should review program area guidelines before inquiring about grant support.

Higher Education and Scholarship in the Humanities
Building just and durable democracies in the 21st century depends on extending the benefits of higher education to all students, including those historically underrepresented, and enabling students of all backgrounds to experience and value diversity and inclusiveness in their pursuit of learning. Colleges and universities are custodians of knowledge; they produce, preserve, and transmit it for the good of culture and society. Support for the humanities in these institutions bolsters their commitments to liberal education, their capacities for innovative research, and their ability to contribute substantially to debates about contemporary challenges.
https://mellon.org/programs/higher-education-and-scholarship-humanities/

Arts and Cultural Heritage
The Arts and Cultural Heritage program seeks to nurture exceptional creative accomplishment, scholarship, and conservation practices in the arts, while promoting a diverse and sustainable ecosystem for these disciplines. The program supports the work of outstanding artists, curators, conservators, and scholars, and endeavors to strengthen performing arts organizations, art museums, research institutes, and conservation centers.
https://mellon.org/programs/arts-and-cultural-heritage/

Scholarly Communications
The Scholarly Communications program assists research libraries, archives, museums, universities, presses, and arts organizations to realize the potential of digital technologies in furthering the collective understanding of societies and cultures around the world. The program promotes the common good by supporting the creation, dissemination, use, and preservation of original sources, interpretive scholarship in the humanities, and other scholarly and artistic materials. The program also aims to develop the sustainable tools, organizations, and networks of scholars and other professionals needed for these purposes. Publishing; Preservation; and Access Services
https://mellon.org/programs/scholarly-communications/

International Higher Education and Strategic Project
The program seeks projects in countries or regions where the Foundation's commitment to the humanities, the arts, and higher education could contribute to stabilizing, fragile democracies, and create favorable conditions for their participation in global networks of research and culture. In its initial phase of development, the International Higher Education program will stress partnerships with institutions already supported by the Foundation, especially on issues of global grand challenges.
https://mellon.org/programs/international/
Deadline: Letters of Inquiries accepted anytime
https://mellon.org/grants/grantmaking-policies-and-guidelines/#InquiriesApplicationProcess
**NSF GRANTS**

**NSF - Dynamics of Integrated Socio-Environmental Systems (DISES)**

The DISES Program supports research projects that advance basic scientific understanding of integrated socio-environmental systems and the complex interactions (dynamics, processes, and feedbacks) within and among the environmental (biological, physical and chemical) and human (“socio”) (economic, social, political, or behavioral) components of such a system. The program seeks proposals that emphasize the truly integrated nature of a socio-environmental system versus two discrete systems (a natural one and a human one) that are coupled. DISES projects must explore a connected and integrated socio-environmental system that includes explicit analysis of the processes and dynamics between the environmental and human components of the system. PIs are encouraged to develop proposals that push conceptual boundaries and build new theoretical framing of the understanding of socio-environmental systems. Additionally, we encourage the exploration of multi-scale dynamics, processes and feedbacks between and within the socio-environmental system.

**Deadline:** November 16, 2020 5PM ET


**NSF - Applied Mathematics**

The Applied Mathematics program supports mathematics research motivated by or having an effect on problems arising in science and engineering. Mathematical merit and novelty, as well as breadth and quality of impact on applications, are important factors. Proposals to develop critical mathematical techniques from individual investigators as well as from interdisciplinary teams are encouraged.

**Deadline:** November 16, 2020 5PM ET


**NSF - Division of Chemistry: Disciplinary Research Programs (CHE-DRP)**

CHE supports a large and vibrant research community engaged in fundamental discovery, invention, and innovation in the chemical sciences. The projects supported by CHE explore the frontiers of chemical science, develop the foundations for future technologies and industries that meet changing societal needs, and prepare the next generation of chemical researchers. Chemical Measurement and Imaging (CMI); Chemistry of Life Processes (CLP); Environmental Chemical Sciences (ECS); and Macromolecular, Supramolecular and Nanochemistry (MSN)

**Deadline:** November 2, 2020 5PM ET


**NIH Grants**

**NIH Exploratory/Developmental Research Grant Program (Parent R21)**

The evolution and vitality of the biomedical, behavioral, and clinical sciences require a constant infusion of new ideas, techniques, and points of view. These may differ substantially from current thinking or practice and may not yet be supported by substantial preliminary data. Through the NIH Exploratory/Developmental Research Grant Program, the NIH seeks to foster the introduction of novel scientific ideas, model systems, tools, agents, targets, and technologies that have the potential to substantially advance biomedical, behavioral, and clinical research.

This program is intended to encourage new exploratory and developmental research projects. For example, such projects could assess the feasibility of a novel area of investigation or a new experimental system that has the potential to enhance health-related research. Another example could include the unique and innovative use of an existing methodology to explore a new scientific area. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.

**Deadline:** October 26, 2020 5PM ET


**Academic Research Enhancement Award for Undergraduate-Focused Institutions (R15)**

The three objectives of this FOA are: (1) provide support for meritorious research at undergraduate-focused institutions or institutional components; (2) strengthen the research environment at these institutions/components; and (3) give undergraduate students an opportunity to gain significant biomedical research experience through active involvement in the research. For the purpose of this announcement, an undergraduate-focused institution/component is one in which the undergraduate enrollment is greater than the graduate enrollment. The AREA program will enable qualified scientists to receive support for small-scale research projects. It is anticipated that investigators supported under the AREA program will benefit from the opportunity to conduct independent research; that the grantee institution will benefit from a research environment strengthened through AREA grants; and that students at recipient institutions will benefit from exposure to and participation in scientific research in the biomedical sciences so that they consider careers in biomedical research. This AREA FOA emphasizes the engagement and inclusion of undergraduates in research. The research project must involve undergraduate students and the research team must be composed primarily of undergraduate students. Student involvement in research may include participation in the design of experiments and controls, collection and analysis of data, execution and troubleshooting of experiments, presentation at meetings, drafting journal articles, collaborative interactions, participation in lab meetings to discuss results and future experiments, etc.

**Deadline:** October 15, 2020 5PM ET

NIH Small Research Grant Program (Parent R03)
The NIH Small Research Grant Program supports small research projects that can be carried out in a short period of time with limited resources. This program supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The NIH Small Research Grant Program supports discrete, well-defined projects that realistically can be completed in two years and that require limited levels of funding. This program supports different types of projects including, but not limited to, the following:

- Pilot or feasibility studies;
- Secondary analysis of existing data;
- Small, self-contained research projects;
- Development of research methodology; and
- Development of new research technology

**Deadline: October 26, 2020 5PM ET**

[https://grants.nih.gov/grants/funding/r03.htm](https://grants.nih.gov/grants/funding/r03.htm)