



ON RESEARCH

SPAR NEWSLETTER

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Upcoming Events

MANDATORY: Export Control Workshop for Researchers	04/07/2022 2:00 PM Zoom Link click here
SPAR Post-Award Webinar	03/17/2022 12:30 - 1:30 PM
SPAR Pre-Award Webinar	03/15/2022 12:30 - 1:30 PM
What are Facilities and Administrative (F&A) Fees or Indirect Costs (IDC)? What They Do and Why Do They Matter?	04/06/2022 12:00 - 1:00 PM Register here
RF Web Report & Post - Award Management Primer	04/08/2022 12:00 - 1:00 PM Register here
NIH Undergraduate Research Training Initiative for Student Enhancement (U-RISE) Program and Maximizing Access to Research Careers (MARC) Program	04/27/2022 12:00 - 1:00 PM Register here
Alfred P. Sloan Foundation and Andrew T. Mellon Foundations Grants	05/11/2022 12:00 - 1:00 Register here

Letter from the Director

Welcome back to campus! I hope you all enjoyed your break and are having a productive start to the Spring 2022 semester.

I would like to thank all those faculty members who submitted PSC-CUNY proposals. With one hundred and sixteen (116) proposal submissions, Baruch is among the leading applicant institutions CUNY-wide.

SPAR has been busy lining up exciting talks and learning opportunities for faculty researchers. In the coming semester an RF Webreport Primer will be added to the workshop compliment. CUNY Central is also offering funding opportunity workshops as part of its Funding Fridays series.

As part of its commitment to compliance, all faculty, staff, administrators, and students potentially engaged in export-controlled activities **MUST**, attend the annual CUNY export control training event. A CUNY Central workshop will be held on Thursday, April 7 at 2 pm and is targeted to researchers doing work that export control laws might impact. Detailed information is included in this issue.

Virtual trainings on RFCUNY's various electronic systems will continue to be available upon request. Training modules give all stakeholders an opportunity to learn about issues that will impact their role in the process.

In addition to these "must see" events, there will be talks regarding post-award on 3/17, finding funding on 3/15. If you are interested in attending any of these presentations, please RSVP to SPARRSVP@baruch.cuny.edu. I hope you enjoy this publication and I look forward to working with you this semester.

Zolicia R. Abotsi

Director, Office of Sponsored Programs and Research

NEW AWARD

Kannan Mohan - Heckscher Foundation - \$80,000 **“Baruch Business Academy: A Transfer Partnership”**



The Baruch Business Academy will offer BMCC students a well-defined path to matriculation at Baruch. The proposed “Business Academy” creates a unified program designed to remove barriers to transfer that have long been associated with transfer melt, transfer shock, credit loss, excess credit-taking and attrition of transfer students, and improve diversity in the student body at Baruch. The Academy will provide a seamless, transparent, and predictable path for students to transition from BMCC to Baruch, coupled with an organizational structure for student support, including early access to Baruch’s Starr Career Center programming during their time at BMCC. Entry into the Academy upon admission to BMCC’s business programs signals that BMCC students are welcome at Baruch, that Baruch is invested in their success and there to support them.

Interested in a Funding Opportunity

Contact the Office of Sponsored Programs (OSP) early in your proposal development stages —ideally at least three weeks before the application is due. There are lots of details to discuss and review, such as:

- Budget and allowable costs
- Cost sharing and indirect cost restrictions
- Institutional internal approvals
- Institutional letters of support
- Research compliance (i.e. Human subjects and/or animal research, responsible conduct of research, conflict of interest)
- ...Supporting materials and others

You can find SPAR’s detail grant proposal submission policy in the next page.



RFCUNY - BARUCH COLLEGE SPAR NEWS

Submitted Proposals

WEISSMAN SCHOOL OF ARTS AND SCIENCE

Mindy Engle-Friedman - Dept of Psychology

NSF - \$1,499,999

Leaders of the Future in Math, Environmental Science and Psychology (LOF)

Zachary Calamary - Dept. of Natural Science

NSF/University of California, San Francisco - \$388,290

Understanding stem cell evolution and maintenance using anon-model rodent molar system

NSF/American Museum of Natural History - \$329,936

NSF RaMP: Strengthening STEM Through Diversifying Evolution: Mentored Research in an Urban Network (M-RUN)

Junior Faculty Research Award in Science and Engineering - \$50,000

Single-Cell Sequencing and Machine Learning Analyses to Assess Evolutionary Origins of Novel Anatomy

Adam Sheffer - Dept. of Mathematic

NSF - \$47,728

Conference: The 2022 Polymath Jr Program

Zhiqing (Albert) Zhou - Dept. of Psychology

Junior Faculty Research Award in Science and Engineering - \$50,000

Impact of College Employment Experience on College Students' Post-Graduation Career and Personal Outcomes

Total Requested: \$2,365,953

ZICKLIN SCHOOL OF BUSINESS

Shuting Wang - Paul H. Chook Dept. of Information Systems and Statistics

Junior Faculty Research Award in Science and Engineering - \$50,000

A Bridge across the Digital Divide in Telemedicine? The Use of Text-Messaging in Medical Diagnosis

Total Requested: \$50,000

RFCUNY - BARUCH COLLEGE SPAR NEWS

MARXE SCHOOL OF PUBLIC AND INTERNATIONAL AFFAIRS

Zachariah Mampilly

Carnegie Corporation of New York - \$750,000

For strengthening research and writing capacity of early-career African social scientists and linking them to global scholarly communities

Robert Smith

Robert Wood Johnson Foundation - \$250,000

Impacts of NY State and NYC Cash Payment Programs on Food Insecurity, Health, Wellbeing of mostly Undocumented Parents and mostly US citizen children

Deborah Balk

NASA/Jet Propulsion Laboratory - \$220,000

Dynamics and Interactions of Land Cover, Land Use, and Demography under Transformative Change across the Rural-Urban Continuum in Southeast Asia

New York City Town + Gown/CCNY - \$140,000

Assessment of Climate-Change Risks and Adaptation Strategies for New York City in the 21st Century (ACRAS-NYC21)

New York City Town + Gown/The New School - \$76,780

NYC Town+Gown RFP: Climate Vulnerability, Impact, and Adaptation Analysis

Jessica Greene

Robert Wood Johnson Foundation - \$194,079

Learning from RWJF Grants to Improve Monitoring of Medicaid by Engaging People on the Ground about their Experiences with the Program

Frank Heiland

University of Minnesota Life Course Center/NIH - \$25,000

Perceived Workplace Age Discrimination and Black-White Disparities in Cognitive Functioning among Older Workers

Total Requested: \$1,655,859



RFCUNY - BARUCH COLLEGE SPAR NEWS

Upcoming RF Brown Bag Research Webinars

All Webinars run from 12:00 - 1:00 PM. The complete list of planned webinars is available [here](#). Upcoming webinars are:

April 6th: What are Facilities and Administrative (F&A) Fees or Indirect Costs (IDC)? What They Do and Why Do They Matter?

This webinar presents information on Indirect Cost Rates for CUNY Federally sponsored projects. We will discuss the reasons why indirect cost rates exist, the history of indirect cost rates in higher education, who establishes indirect cost rates, the process for establishing these rates at individual colleges, and the differences in indirect cost rates at Federal agencies. The webinar will try to dispel myths about indirect cost rates, how they are computed, and who benefits from them.

April 27th: NIH Undergraduate Research Training Initiative for Student Enhancement (U-RISE) Program and Maximizing Access to Research Careers (MARC) Program

The goal of the both U-RISE and

MARC program is to develop a diverse pool of undergraduates who complete their baccalaureate degree, and transition into and complete biomedical, research-focused higher degree programs (e.g., Ph.D. or M.D./Ph.D.). Training grants offset the cost of stipends, tuition and fees, and training-related expenses, including health insurance, for the appointed trainees in accordance with the approved NIH support levels. Training grants are usually awarded for five years and are renewable. Register [here](#)

May 11th: Alfred P. Sloan Foundation and Andrew T. Mellon Foundation Grants

The Alfred P. Sloan Foundation makes grants to support original research and broad-based education related to science, technology, and economics. The Andrew T. Mellon Foundation is one of the largest supporters of the arts and humanities in the US. The focus of the webinar is to provide researchers information on these two major philanthropic nonprofit organizations. Register [here](#).

RFCUNY is offering one-on-one proposal consultations, grant-writing workshops and related webinars through RFCUNY's Office of Award Pre-Proposal Support (APPS). Click [here](#) for detailed information

Things to Know

- Forgotten or do not have an RF logon ID? Please email weblogonid@rf-cuny.org to obtain this information, and to gain access to the RFCUNY web pages and E-systems.
- For all equipment ordered with Research Foundation funds, please email SPAR at RFEquipmentOrder@Baruch.cuny.edu informing us of the equipment ordered.
- The percentage effort for a reassigned course when applying to research and/or sponsored funding has been changed to **16.67%**. Further information and instructions on the current Release Time Policy can be found [here](#).

RFCUNY - BARUCH COLLEGE SPAR NEWS

Changes on RF's Fringe Benefits

The Research Foundation of CUNY provides a variety of fringe benefits to its employees, such as health insurance, unemployment, and workers' compensation among other employee benefits. The cost of these benefits are expressed as a rate by employee class. Rates are determined by creating a pool of benefit costs for each employee class and dividing by the related salary base for the fiscal period. Next year some of the fringe benefits will change:

Effective April 1, 2022:

Full-time and Part-time A employees from the current 38.0% to 36.5%

Part-time B employees from the current 9.0% to 8.0%

Effective July 1, 2022: **Release/Reassigned time from the current 51% to 51.7%**

Research Development Webinars & Grant Writing Resources Funding Fridays

April 8th 2022, 12:00 - 1:00 PM

RF Web Report & Post – Award Management

Primer

This webinar will present a “walk-through at the RF” for Faculty and Grants Administrators, from award account set up and web reports, to processing expenses, to how the RF assists with financial reporting and closeout. The walk-through will provide an overview of the RF and all its units.

To register for these or future funding Fridays webinar click [here](#). See the the full [calendar](#).

CUNY Research Webinars Writing Resources

The CUNY Office of Research launched a grant-writing and research resources [web-page](#) with videos of talks on NIH funding given by Associate Dean of Research at the School of Public Health, Michele Kiely, earlier this summer and other previous workshops organized by the Office of Research.

In this page you'll find:

- Fall 2020 and Spring 2021 Funding Friday's webinars
- NSF Strategic Position Workshops
- NIH Grant Writing Workshop
- and more...



RESEARCH ON CAMPUS

Ruth Beer - Narendra Paul Loomba Dept. of Management

“Monitoring or Disclosure? The Role of Observability in Collaborative Projects”



Joint projects are an important source of value creation for firms. For example, firms establish partnerships to develop new products and technologies, which allows all parties to leverage each other's technological and market knowledge. While these partnerships are often ruled by complex contracts and written agreements, many aspects of what is expected from each party may not be contractible. In these cases, firms may have incentives to contribute subpar efforts, particularly when there is no or limited transparency of a firm's contribution to the collaborative project. In her project, Prof. Beer uses game-theoretic models and laboratory experiments to study firms' decisions, and finds that the firms' efforts turn out to be significantly lower than the maximum level predicted by the theory. The lab experiments show that increased transparency can help promote higher efforts, particularly when the information provided is guaranteed to be truthful.

Brandon Lock - Stan Ross Dept. of Accountancy

“Credit Rating Agency Forecast Characteristics and Ratings Quality”



The quality of credit ratings has come under intense scrutiny, especially over the last two decades, when the 2007- 2008 financial crisis exposed an optimistic bias in the credit ratings of leading rating agencies. Despite this growing interest in credit rating quality, predicting biases and inaccuracies in credit ratings is challenging due to the “black box” nature of the rating process. In this study, Prof. Lock uses novel data on Moody's revenue, leverage, and profitability forecasts to examine whether characteristics of these forecasts can predict credit rating quality. The work finds strong evidence that less accurate, more optimistically biased, and less certain forecasts are associated with lower ratings sensitivity to market implied measures of default risk. Findings indicate also that more optimistically biased ratings are predictive of future ratings downgrades and an increase in bond yield spreads. Taken together, the study suggests that credit rating agencies' forecasts are useful predictors of credit rating quality and provides a more complete understanding of how credit rating agencies' forecasting ability may be affected by rating agencies' incentives.

RESEARCH ON CAMPUS

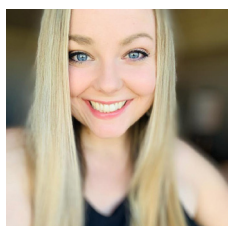
Sebastiano Manzan - Bert W. Wasserman Dept. of Economics and Finance “Consumer Behavior and the Business Cycle”



In this project Prof. Manzan constructs expenditure and price indicators based on the Nielsen consumer panel, to provide insight into consumer behavior. These indicators can be used to forecast in real-time macroeconomic aggregates, such as GDP, the unemployment rate, and the inflation rate. There is increasing interest in the economic forecasting community to use alternative sources of information (e.g., micro data, text, or satellite among others) to improve the accuracy of macroeconomic forecasts. This dataset allows to track the changing attitude and behavior of consumers which is particularly relevant leading to and exiting from a recessionary period. It is during these times that economic agents re-evaluate their situation and re-optimize their choices, among others, their shopping decisions.

Sarah Saddler - Dept. of Fine and Performing Arts

“Performing Corporate Bodies: Industrial Theatre in South Africa”



Prof. Saddler's project studies the history and evolution of industrial theatre in South Africa, a form of applied drama rooted in political worker's theatres of the 1970s and 80s. It traces the evolution of workerist performance from an oppositional voice of black union politics to a contemporary device for workplace cultural conditioning and corporate values inculcation. Detailed ethnographic research on industrial theatre events in Cape Town, South Africa further demonstrate how industrial theatre functions as a site where postapartheid logics of racialized power get conjoined with neoliberal rationalities of “inclusivity” and success.

Dispelling the Myths

There is No Money Available for My Discipline's Research

It is commonly believed that there are little to no external funds for projects other than science research. In reality external funds exists for all types of project ventures through federal agencies, state and local government, but mainly through foundations and non-profit. This indeed means that the competition is fierce but not impossible. When pursuing a specific grant program, considering eligibility, funding amounts, and expected number of awards is pivotal. In addition, it is crucial to build relationships with a grant agency and make sure that your projects align with their mission. Once you are in the process of applying

ing to a grant program, ensuring adherence to guidelines is a given. It means that at this stage investing time in the grant writing is more important than ever. The process of grant writing involves patience and perseverance and the appropriate time should be allowed to produce, prepare and submit high quality applications. Pivot Proquest and GrantForward are two grant search platforms that are available to the Baruch College community. Faculty, staff, and students can create an account and complete their profile in both grant search engines to find opportunities tailored to their own research and academic interest.



RESEARCH COMPLIANCE

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 [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).

The Baruch College Conflict of Interest Officer is **Linda Lemiesz**, if you have any questions regarding the Conflict of Interest policy contact Linda at Linda.Lemiesz@baruch.cuny.edu or at 646 - 312 - 1204

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. **NOTE: SPAR cannot proceed with proposal submission if proof of Responsible Conduct of Research Certificate is not received.**

The Research Integrity Officer (RIO) at each CUNY campus oversee the CUNY Policy on Research Misconduct and is in charge of providing training to faculty, research administrators, post-doctoral associates and students at the each college to foster a research environment that adheres to highest ethical and moral standards. For question of the Responsible Conduct of Research contact **Kristin Sommer**, the Research Integrity Officer at Baruch College at rio@baruch.cuny.edu or **Linnet Jacome**, Assistant to the RIO at Linnet.Jacome@baruch.cuny.edu
Baruch College RIO Home page: <https://rio.baruch.cuny.edu/>

RESEARCH COMPLIANCE

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://orco.baruch.cuny.edu/orcoreviewpolicy/>.

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.

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://orco.baruch.cuny.edu/export_control/

NEW EXPORT CONTROL REQUIRED TRAININGS

Per [communication from Associate Provost Patricia Price on August 31, 2021](#), all faculty, staff, administrators, and students potentially engaged in export controlled activities **MUST**, attend the annual CUNY export control training event. Below are links to this year's training announcement and Zoom link, from CUNY's Research Office.

MANDATORY: Export Control Workshop for Researchers

A CUNY Central workshop will be held on Thursday, **April 7 at 2 pm** and is targeted to researchers doing work that export control laws might impact. This includes any researcher who may be working with or developing Export Administration Regulations (EAR) or International Traffic in Arms Regulations (ITAR) controlled technologies, but also any researcher involved in international collaborations. We will also be providing an overview of new Foreign Influence regulations and the preliminary steps CUNY has taken to address them.

Zoom Link: <https://us02web.zoom.us/j/87136683392>



GRANT OPPORTUNITIES

EXTERNAL OPPORTUNITIES

Ford Foundation - Just Film Grant

We support artist-driven film and new media storytelling projects that explore aspects of inequality, as well as the organizations and networks that support these projects. All projects submitted for JustFilms grants will be judged on the basis of:

- Artistic excellence
- Contemporary relevance
- Alignment with Ford priorities
- Potential for strategic impact
- Potential to transform stereotypes, beliefs, and value systems
- Creativity and innovation in form
- Potential to build cultural power and voice in marginalized communities

JustFilms accepts inquiries for grants year-round, averaging between 800 and 1,000 inquiries annually. We welcome submissions from any region of the world.

Deadline: Applications accepted on any time

<https://www.fordfoundation.org/work/our-grants/justfilms/justfilms-inquiry/>

New York Foundation Grants

The New York Foundation is a steadfast supporter of community organizing and advocacy. We believe that the resilience and vitality of New Yorkers is the city's greatest resource, and we value the courage and experience of community groups and their leaders. In the ongoing struggle for equity, the Foundation supports grassroots initiatives that confront systemic barriers and inspire people to work toward a more just and inclusive city.

Deadline: June 1, 2022 5PM ET

<https://nyf.org/how-to-apply/>

Achelis and Bodman Foundation Grant

The Foundation concentrates its grant programs in New York City and northern New Jersey. Funding is spread over six program areas: Arts and Culture, Education, Employment, Health, Public Policy, and Youth and Families. A clearer idea of the types of grants made in each of these areas can be found in Program Areas and in the list of Recent Grants.

Deadline: Applications accepted any time

<https://achelisbodman.org/guidelines/>

Public Welfare Foundation - Social Justice Programs

The Public Welfare Foundation supports efforts to advance justice and opportunity for people in need. The Foundation looks for strategic points where its funds can make a significant difference and improve lives through policy change and system reform. The fund focuses on three program areas: Criminal Justice, Juvenile Justice and Workers' Rights.

Deadline: Applications accepted any time

<http://www.publicwelfare.org/grants-process/program-guidelines/>

GRANT OPPORTUNITES

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 any time

<http://ncf.org/how-apply>

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 any time

<http://www.sloan.org/major-program-areas/>

Explore the diversity of research programs that the Alfred P. Sloan Foundation supports at <https://sloan.org/programs>



GRANT OPPORTUNITIES



Andrew Mellon Foundation

The Andrew W. Mellon Foundation believes that the arts and humanities are where we express our complex humanity, and we believe that everyone deserves the beauty, transcendence, and freedom to be found there. Through our grants, we seek to build just communities enriched by meaning and empowered by critical thinking, where ideas and imagination can thrive. The Foundation offers the following programs:

- **Higher Learning:** Higher Learning supports inclusive humanities education and diverse learning environments—spaces where the ideas that enrich our understanding of a complex world are created and elevated. <https://mellon.org/programs/higher-learning/>
- **Arts & Culture:** Arts and Culture celebrates the transcendent power of the arts to challenge, activate, and nourish the human spirit. We support exceptional creative practice, scholarship, and conservation of arts and culture, while nurturing a representative and robust arts and culture ecosystem. <https://mellon.org/programs/arts-and-culture/>
- **Public Knowledge:** Public Knowledge supports the creation and preservation of our cultural record—the vast and ever-growing historical archive that helps us explore and better understand our intertwined humanity. Our goal is to increase equitable access to deep knowledge—from scholarly texts to community collections—that helps build an informed, culturally diverse, and civically engaged society. <https://mellon.org/programs/public-knowledge/>
- **Humanities in Place:** Humanities in Place supports a fuller, more complex telling of American histories and lived experiences by deepening the range of how and where our stories are told and by bringing a wider variety of voices into the public dialogue. <https://mellon.org/programs/humanities-place/>

Deadline: Applications accepted any time.

Robert Wood Johnson Pioneering Ideas: Exploring the Future to Build a Culture of Health

Evidence for Action (E4A), a national program of the RWJF, funds research that expands the evidence base needed to build a Culture of Health. The program's mission is to support rigorously designed quantitative, qualitative, and mixed methods research that yields convincing findings regarding the population health, well-being, and equity impacts of specific policies, programs and partnerships. The foundation is especially interested in research examining the health impacts of programmatic or policy interventions that address factors outside the domain of health care services or public health practice.

Deadline: Letters of Intent accepted any time

<https://www.rwjf.org/en/how-we-work/grants-explorer/funding-opportunities.html>

GRANT OPPORTUNITIES

Waitt Foundation - Rapid Ocean Conservation (ROC) Grants Program

ROC Grants provide small grants with a quick turnaround time for solutions to emerging conservation issues. This complements the Waitt Foundation's existing major grants program and is responsive to conservation opportunities, supports higher-risk ideas at a low financial cost, and engages with small, local NGOs on a global scale. Grants will fund projects related to the Waitt Foundation's mission of supporting sustainable fishing and marine protected areas (MPAs). This includes sub-themes of:

- Scientific Research – Includes natural science or social science projects.
- Policy – Includes opportunistic projects around unique public policy windows, such as preparation of policy analysis and support of experts' efforts to inform decision makers on upcoming government actions.
- Management – Includes enforcement and infrastructure support.
- Communications – Includes raising public awareness and engaging stakeholders, including advertising by a 501(c)3 group around a public policy moment.

Deadline: Applications accepted any time

<https://www.waittfoundation.org/roc-grants>

Additional Ventures Catalyst to Independence Award (AVCIA)

A transition award that supports exceptional early career scientists during the senior years of a mentored postdoctoral research position through the transition to an independent faculty position. Those in basic and translational fields are invited to submit a proposal on research that has the potential to impact our understanding or treatment of single ventricle heart disease and aligns with focus areas including:

- Genetics
- Cardiovascular Development
- Cardiac Tissue Engineering
- Biomarker Identification
- and much more!

The Catalyst to Independence Award provides research and career development support to investigators during the later stages of a mentored postdoctoral research position (Level I) through the transition to an independent tenure track research position (Level II).

The program is committed to facilitating an application process that both increases the impact and success of applicants. Thus, applicants are strongly encouraged to consult with Additional Ventures program staff prior to submitting a letter of intent. Contact the program staff at grants@additionalventures.org for guidance on program scope or to seek feedback on proposal fit.

Deadline: March 17, 2022 5 PM (Letter of Intent); May 27, 2022 5 PM (Full Proposal)

<https://www.additionalventures.org/initiatives/biomedical-research/funding/catalyst-to-independence-award/#apply>

Full RFP: <https://32nqsf43iu0f6y1de2ax69yu-wpengine.netdna-ssl.com/wp-content/uploads/2022/02/Additional-Ventures-Catalyst-to-Independence-RFP-2022-02-10.pdf>



GRANT OPPORTUNITIES

NSF Grants

Biological Oceanography



The Biological Oceanography Program supports fundamental research in biological oceanography and marine ecology (populations to the ecosystems) broadly defined: relationships among aquatic organisms and their interactions with the environments of the oceans or Great Lakes. Projects submitted to the program are often interdisciplinary efforts that may include participation by other OCE or BIO Programs.

Deadline: Applications accepted any time

<https://beta.nsf.gov/funding/opportunities/biological-oceanography>

Racial Equity in STEM Education (EHR Racial Equity)

Persistent racial injustices and inequalities in the United States have led to renewed concern and interest in addressing systemic racism. The National Science Foundation (NSF) Directorate for Education and Human Resources (EHR) seeks to support bold, ground-breaking, and potentially transformative projects addressing systemic racism in STEM. Proposals should advance racial equity in science, technology, engineering, and mathematics (STEM) education and workforce development through research (both fundamental and applied) and practice. Core to this funding opportunity is that proposals are led by, or developed and led in authentic partnership with, individuals and communities most impacted by the inequities caused by systemic racism. The voices, knowledge, and experiences of those who have been impacted by enduring racial inequities should be at the center of these proposals, including in, for example: project leadership and research positions, conceptualization of the proposal, decision-making processes, and the interpretation and dissemination of evidence and research results. The proposed work should provide positive outcomes for the individuals and communities engaged and should recognize peoples' humanity, experiences, and resilience. Proposals need to consider systemic barriers to opportunities and benefits, and how these barriers impact access to, retention in, and success in STEM education, research, and workforce development. Competitive proposals will be clear with respect to how the work advances racial equity and addresses systemic racism, as these constructs may have different meanings in different settings.

Deadline: March 22, 2022 5 PM

<https://beta.nsf.gov/funding/opportunities/racial-equity-stem-education-ehr-racial-equity>

GRANT OPPORTUNITIES

NSF Grants

Long-Term Ecological Research (LTER)

To address ecological questions that cannot be resolved with short-term observations or experiments, NSF established the Long-Term Ecological Research Program (LTER) in 1980. Two components differentiate LTER research from projects supported by other NSF programs: 1) the research is located at specific sites chosen to represent major ecosystem types or natural biomes, and 2) it emphasizes the study of ecological phenomena over long periods of time based on data collected in five core areas. Long-term studies are critical to achieve an integrated understanding of how components of ecosystems interact as well as to test ecological theory. Ongoing research at LTER sites is expected to contribute to the development and testing of fundamental ecological theories and significantly advance understanding of the long-term dynamics of populations, communities and ecosystems. It often integrates multiple disciplines and, through cross-site interactions may examine patterns or processes over broad spatial scales. Recognizing that the value of long-term data extends beyond use at any individual site, NSF requires that data collected by all LTER sites be made publicly accessible.

Deadline: March 23, 2022 5 PM

<https://www.nsf.gov/pubs/2022/nsf22543/nsf22543.htm>

EHR Core Research: Building Capacity in STEM Education Research

ECR's Building Capacity in STEM Education Research (ECR: BCSER) supports projects that build investigators' capacity to carry out high-quality STEM education research that will enhance the nation's STEM education enterprise. In addition, ECR: BCSER seeks to broaden the pool of researchers who can advance knowledge regarding STEM learning and learning environments, broadening participation in STEM fields, and STEM workforce development. Researchers of races and ethnicities, genders, sexual orientations, and abilities who are currently underrepresented in their participation in STEM education research and the STEM workforce, as well as faculty at minority-serving and two-year institutions, are particularly encouraged to submit proposals.

Specifically, ECR: BCSER supports activities that enable researchers to expand their areas of expertise and acquire the requisite knowledge and skills to conduct rigorous research in STEM education. Career development may be accomplished through investigator-initiated professional development and research projects or through institutes that enable researchers to integrate methodological strategies with theoretical and practical issues in STEM education.

Deadline: March 29, 2022 5PM

<https://www.nsf.gov/pubs/2022/nsf22548/nsf22548.htm>



GRANT OPPORTUNITIES

NSF Grants

Biodiversity on a Changing Planet (BoCP)

The Biodiversity on a Changing Planet program is a cross directorate and international program led by NSF that invites submission of interdisciplinary proposals addressing grand challenges in biodiversity science within the context of unprecedented environmental change. Environmental change takes many forms, including climate change. Biodiversity is one of the most complex features of our planet and is critical for the survival of our species. Current rates of rapid and permanent species loss require new knowledge about how the functional diversity of organisms interacts with, and responds to, environmental change. The program supports a comprehensive and integrative approach to understanding planetary biodiversity from a functional perspective, and it encourages the use of new technology and team science approaches. Research supported by this program will improve modeling and forecasting of the consequences of functional change in biodiversity in response to environmental change. Successful BoCP proposals will test hypotheses about functional biodiversity on a changing planet by integrating cellular, organismal, ecological, evolutionary, geological, and/or paleontological perspectives. While this focus complements several core programs at NSF, it differs by requiring an integrative approach to address the functional role of biodiversity in response to changing environmental conditions. **There are two proposal tracks covered by this solicitation: Design and Implementation.**

The program supports both US-only collaborative proposals and proposals with international partnerships with the National Natural Science Foundation of China (NSFC), the São Paulo Research Foundation (FAPESP) of Brazil, and the National Research Foundation (NRF) of South Africa. International collaborative proposals are to be submitted jointly, with the US PIs submitting to NSF and the collaborating Chinese, Brazilian, or South African PIs submitting to their appropriate national funding agencies. These agreements do not preclude other international collaborations (see below for additional details).

Deadline: March 25, 2022 5PM

<https://www.nsf.gov/pubs/2022/nsf22508/nsf22508.htm>

Signals in the Soil

The National Science Foundation (NSF) encourage convergent research that transforms existing capabilities in understanding dynamic soil processes, including soil formation, through advances in sensor systems and modeling. To make transformative advances in our understanding of soils, multiple disciplines must converge to produce environmentally-benign novel sensing systems with multiple modalities that can adapt to different environments and collect and transmit data for a wide range of biological, chemical, and physical parameters. Effective integration of sensor data will be key for achieving a better understanding of signaling interactions among plants, animals, microbes, the soil matrix, and aqueous and gaseous components. New sensor networks have the potential to inform models in novel ways, to radically change how data is obtained from various natural and managed (both urban and rural) ecosystems, and to better inform the communities that directly rely on soils for sustenance and livelihood.

Deadline: April 14, 2022 5 PM

<https://www.nsf.gov/pubs/2022/nsf22550/nsf22550.htm>

GRANT OPPORTUNITIES

NSF Grants

Expeditions in Computing (Expeditions)

The far-reaching impact and rate of innovation in the computer and information science and engineering fields has been remarkable, generating economic prosperity and enhancing the quality of life for people throughout the world. In planning Expeditions projects, investigators are strongly encouraged to come together within or across departments or institutions to combine their creative talents in the identification of compelling, transformative research agendas that look ahead by at least a decade and promise disruptive innovations in computer and information science and engineering for many years to come.

Deadline: June 16, 2022 5 PM (Preliminary Proposal)

<https://www.nsf.gov/pubs/2020/nsf20544/nsf20544.htm>

Strengthening American Infrastructure (SAI)

Strengthening American Infrastructure (SAI) is an NSF Program seeking to stimulate human-centered fundamental and potentially transformative research aimed at strengthening America's infrastructure. Effective infrastructure provides a strong foundation for socioeconomic vitality and broad quality of life improvement. Strong, reliable, and effective infrastructure spurs private-sector innovation, grows the economy, creates jobs, makes public-sector service provision more efficient, strengthens communities, promotes equal opportunity, protects the natural environment, enhances national security, and fuels American leadership. Achieving these objectives requires the integration of expertise from across all science and engineering disciplines. SAI focuses on how fundamental knowledge about human reasoning and decision-making, governance, and social and cultural processes enables the building and maintenance of effective infrastructure that improves lives and society and builds on advances in technology and engineering. Successful projects will represent a convergence of expertise in one or more SBE sciences deeply integrated with other disciplines to support substantial and potentially pathbreaking, fundamental research applied to strengthening a specific and focal infrastructure.

Deadline: May 5, 2022 5 PM

<https://www.nsf.gov/pubs/2022/nsf22564/nsf22564.htm>

NIH Grants

Research Project Grant (Parent R01)

The NIH Research Project Grant supports a discrete, specified, circumscribed project in scientific areas that represent the investigators' specific interests and competencies and that fall within the mission of the participating NIH Institutes and Centers (ICs). The R01 is the original, and historically the oldest, grant mechanism used by the NIH to support health-related research and development.

Deadline: June 5, 2022 5PM ET

<https://grants.nih.gov/grants/guide/pa-files/PA-20-185.html>



GRANT OPPORTUNITIES

NIH Grants

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

NIH is continuing to make a special effort to stimulate research at educational institutions that provide baccalaureate and/or advanced degrees for a significant number of the Nation's research scientists, but that have not been major recipients of NIH support. AREA funds are intended to support new and renewal biomedical research projects proposed by faculty members of eligible institutions (see Part 2, Section III.1). 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. 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. The AREA program is a research grant program, not a training or fellowship program, and, as such, applications should not include training plans such as didactic training or non-research activities relating to professional development. In all cases, the majority of students conducting research through the award must be undergraduates. Since diversity strengthens the research environment, AREA projects are encouraged to include students from diverse backgrounds, including those from groups underrepresented in the biomedical research workforce.

Deadline: June 25, 2022 5PM ET

<https://grants.nih.gov/grants/guide/pa-files/PA-18-714.html>

Small Research Grant Program (R03)

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: June 16, 2022 5PM ET

<https://grants.nih.gov/grants/guide/pa-files/PA-20-200.html>

GRANT OPPORTUNITIES

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: June 16, 2022 5 PM

<https://grants.nih.gov/grants/guide/pa-files/PA-20-195.html>

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