

UPCOMING FUNDING OPPORTUNITIES

EXTERNAL OPPORTUNITIES

Time-Sensitive Opportunities for Health Research (R61/R33 Clinical Trial Not Allowed)

Purpose: This Funding Opportunity Announcement (FOA) establishes an accelerated review/award process to support research to understand health outcomes related to an unexpected and/or time-sensitive event (e.g., emergent environmental threat; pandemic; change in local, state, or national policy; natural disaster). Applications in response to this FOA must demonstrate that the research proposed is time-sensitive and must be initiated with minimum delay due to a limited window of opportunity to collect baseline data, answer key research questions, and/or prospectively evaluate a new policy or program. This FOA is intended to support opportunities in which empirical study could only be available through expedited review and funding, necessitating a substantially shorter process than the typical NIH grant review/award cycle. The time from submission to award is expected to occur within 4-5 months. However, administrative requirements and other unforeseen circumstances may delay issuance dates beyond that timeline.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: varies to reflect the needs of the project

Deadline: rolling basis, beginning 1 Nov 2022

Cancer Prevention-Interception Targeted Agent Discovery Program (CAP-IT) Centers (U54 Clinical Trial Not Allowed)

Purpose: The purpose of this Funding Opportunity Announcement (FOA) is to solicit applications for Cancer Prevention-Interception Targeted Agent Discovery Program (CAP-IT) Centers (U54). The overall goal of the CAP-IT Program is to establish an agile and effective network infrastructure to undertake collaborative research focusing on precision cancer prevention and interception, with the overarching goal of discovering molecularly or immunologically

targeted agents designed to prevent or intercept the oncogenic process in higher-risk populations. To achieve the Program's overarching goal, CAP-IT research objectives are (1) to identify targets that can be potentially exploited for cancer preventive or interceptive interventions specifically in higher-risk populations, by collaborating with the NCI and other programs with a research focus on molecular profiling of established precursor/precancer, early cancer, and/or oncogenic signaling pathways. High-value tumor-driving molecular targets/pathways, immune targets, and tumor-specific/tumor-associated antigens, collectively referred to as "oncotargets" in this FOA, will be prioritized for the discovery of targeted interventions; (2) to functionally validate the critical roles of the high-value oncotargets in tumor initiation and/or progression to invasive cancer and select oncotargets suitable for targeted intervention strategies; and (3) to discover innovative targeted agents through *in vitro* and *in vivo* efficacy evaluation and advance promising efficacious agents to the NCI's existing R&D pipeline for further development.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: \$720,000/yr for 4 years

Deadline: 21 Nov 2022

Advancing Informal STEM Learning (AISL)

Purpose: The Advancing Informal STEM Learning (AISL) Program is committed to funding research and practice, with continued focus on investigating a range of informal STEM learning (ISL) experiences and environments that make lifelong learning a reality. This Program seeks proposals that center equity and belonging, and further the well-being of individuals and communities who have historically been and continue to be excluded, under-served, or underrepresented, due to gender, race, ethnicity, sexual orientation, disability status, neurodiversity, geographic location, and economic status, among others, as well as their intersections. The current solicitation encourages proposals from institutions and organizations that

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serve public audiences, and specifically focus on public engagement with and understanding of STEM, including community STEM; public participation in scientific research (PPSR); science communication; intergenerational STEM engagement; and STEM media. Projects funded by AISL should contribute to research and practice that further illuminates informal STEM learning's role in equity and belonging in STEM; personal and educational success in STEM; advancing public engagement in scientific discovery; fostering interest in STEM careers; creating and enhancing the theoretical and empirical foundations for effective informal STEM learning; improving community vibrancy; and/or enhancing science communication and the public's engagement in and understanding of STEM and STEM processes. The AISL Program funds five types of projects: (1) Synthesis; (2) Conference; (3) Partnership Development and Planning; (4) Integrating Research and Practice; and (5) Research in Support of Wide-reaching Public Engagement with STEM.

Funder: National Science Foundation (NSF)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: \$75,000 - \$3,500,000/yr for 2-5 years

Deadline: 11 Jan 2023

Racial Equity in STEM Education (EHR Racial Equity)

Purpose: This solicitation aligns with the National Science Foundation (NSF) and the Directorate for Education and Human Resources (EHR) long-standing investments in the development of a diverse and well-prepared public and workforce, which was recently reinforced in the NSF Vision. The NSF Strategic Plan focuses on ensuring that U.S. research is an inclusive enterprise that benefits from the talent of all sectors of American society – a research enterprise that incorporates the rich demographic and geographic diversity of the nation. The strategic plan recognizes that the more people who engage in science, technology, engineering, and mathematics (STEM) research and the more diverse their backgrounds, the richer the range of questions asked. The result is a greater breadth of discovery and more creative solutions to societal challenges. Racial inequities often create barriers to STEM knowledge

generation, as well as access to and participation in all aspects of STEM education, research, and the workforce. In ongoing efforts to address these disparities, NSF EHR seeks to support bold, groundbreaking, and potentially transformative projects that contribute to advancing racial equity in STEM education and workforce development through practice and/or fundamental or applied research. Collectively, proposals funded by this solicitation will: (1) substantively contribute to institutionalizing effective research-based practices, policies, and outcomes in STEM environments for those who experience inequities caused by systemic racism and the broader community; (2) advance scholarship and promote racial equity in STEM in ways that expand the array of epistemologies, perspectives, ideas, theoretical and methodological approaches that NSF funds; and (3) further diversify project leadership (PIs and co-PIs) and institutions funded by NSF.

Funder: National Science Foundation (NSF)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: \$5,000,000 over 5 years

Deadline: 17 Jan 2023

Technology Development to Reduce Health Disparities (R01 Clinical Trial Optional)

Purpose: This Funding Opportunity Announcement (FOA) encourages grant applications to develop and translate medical technologies aimed at reducing disparities in healthcare access and health outcomes. Appropriate medical technologies should be effective, affordable, culturally acceptable, and deliverable to those who need them.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: \$500,000/yr for 4 years

Deadline: 26 Jan 2023

Designing Synthetic Cells Beyond the Bounds of Evolution (Designer Cells)

Purpose: Because of recent technological advances in synthetic biology and bioengineering, researchers are now able to tailor cells and cell-like systems for a variety of basic and applied research purposes. The goal of this solicitation is to support research that (1)

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develops cell-like systems to identify the minimal requirements for the processes of life, (2) designs synthetically-modified cells to address fundamental questions in the evolution of life or to explore biological diversity beyond that which currently exists in nature, and (3) leverages basic research in cell design to build novel synthetic cell-like systems and cells for innovative biotechnology applications. Proposals submitted to this solicitation should address social, ethical, and safety issues associated with designing and building synthetically modified cells as an integrated component of the project.

Funder: National Science Foundation (NSF)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: varies to reflect the needs of the project

Deadline: 01 Feb 2023

Dissemination and Implementation Research in Health (R01 Clinical Trial Optional)

Purpose: The purpose of this Funding Opportunity Announcement (FOA) is to support studies that will identify, develop, and/or test strategies for overcoming barriers to the adoption, adaptation, integration, scale-up, and sustainability of evidence-based interventions, practices, programs, tools, treatments, guidelines, and policies. Studies that promote equitable dissemination and implementation of evidence-based interventions among underrepresented communities are encouraged. Conversely, there is a benefit in understanding circumstances that create a need to stop or reduce (“de-implement”) the use of practices that are ineffective, unproven, low-value, or harmful. In addition, studies to advance dissemination and implementation research methods and measures are encouraged. Applications that focus on re-implementation of evidence-based health services (e.g. cancer screening) that may have dropped off amidst the ongoing COVID pandemic are encouraged.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: varies to reflect the needs of the project

Deadline: 05 Feb 2023

NIH Research Project Grant (Parent R01 Clinical Trial Not Allowed)

Purpose: The NIH Research Project Grant supports a discrete, specified, circumscribed project in areas representing the specific interests and competencies of the investigator(s). The proposed project must be related to the programmatic interests of one or more of the participating NIH Institutes and Centers (ICs) based on their scientific missions.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: varies to reflect the needs of the project

Deadline: 05 Feb 2023

NIH Small Research Grant Program (Parent R03 Clinical Trial Not Allowed)

Purpose: 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.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: \$50,000/yr for 2 years

Deadline: 16 Feb 2023

NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Not Allowed)

Purpose: The NIH Exploratory/Developmental Grant supports exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. 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.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: \$275,000 over 2 years

Deadline: 16 Feb 2023

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Cancer Epidemiology Cohorts: Building the Next Generation of Research Cohorts (U01 Clinical Trial Not Allowed)

Purpose: Through this funding opportunity announcement, the National Cancer Institute (NCI) solicits applications to “Cancer Epidemiology Cohorts: Building the Next Generation of Research Cohorts” PAR. This funding opportunity announcement seeks to support initiating and building the next generation of population-based cancer epidemiology cohorts to address specific knowledge gaps in cancer etiology and survivorship. Specifically, it will support methodological work necessary to initiate and build cancer epidemiology cohorts that can address critical scientific gaps concerning (i) new or unique exposures in relation to cancer risks and outcomes and (ii) achievement of diverse populations in cohorts with the inclusion of understudied populations (e.g., racial/ethnic groups, rural populations, individuals living in persistent poverty areas, and others) with substantial community engagement.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: varies to reflect the needs of the project

Deadline: 28 Feb 2023

Research Opportunities in Established Cancer Epidemiology Cohort Studies (U01 Clinical Trial Not Allowed)

Purpose: Through this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) encourages grant applications to support research in *established* cancer epidemiology cohort studies, defined as studies that have achieved their initial planned recruitment goal. Applications must include hypothesis-based research using data from an established cohort study and are expected to include support for cohort maintenance, continued follow-up, and sharing of the existing resources in addition to addressing research questions across the cancer control continuum.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field

Amount: varies to reflect the needs of the project

Deadline: 28 Feb 2023

Supporting Talented Early Career Researchers in Genomics (R01 Clinical Trial Optional)

Purpose: This Funding Opportunity Announcement is intended to identify and support research projects by exceptionally promising Early Stage Investigators with a long-term career interest in pursuing innovative research in genomics. This opportunity is open to research in all areas relevant to the mission of National Human Genome Research Institute (NHGRI), including genomic sciences, genomic medicine, genomic data science, and ethical, legal, and social implications of genomics.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field

Amount: \$500,000/yr for 5 years

Deadline: 28 Feb 2023

Mid-Career Advancement (MCA)

Purpose: Through the Mid-Career Advancement (MCA) program, the NSF is seeking proposals from mid-career scientists who wish to substantively advance their research program and career trajectory. A primary objective of the MCA is to ensure that scientists and engineers remain engaged and active in cutting-edge research at a critical career stage replete with constraints on time that can impinge on research productivity, retention, and career advancement. Thus, by (re)-investing in mid-career researchers, NSF hopes to enable a more diverse scientific workforce (more women, persons with disabilities, and individuals from groups that have been underrepresented) at high academic ranks. The MCA provides protected time and resources to overcome existing constraints and enable advancements in creativity and productivity. Scientists at the mid-career stage, post tenure, are freer than their more junior colleagues to pursue bold and innovative research ideas, but at the same time are often more constrained due to increased service and teaching responsibilities that can hamper scientific productivity. MCA support is expected to help lift these constraints and reduce workload inequities.

Funder: National Science Foundation (NSF)

Applicant: Mid-Career to Established in Field

Amount: varies to reflect the needs of the project

Deadline: 01 Mar 2023

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Advancing Genomic Medicine Research (R01 Clinical Trial Optional)

Purpose: This Funding Opportunity Announcement (FOA) encourages applications that stimulate innovation and advance understanding of when, where, and how best to implement the use of genomic information and technologies in clinical care. Proposed projects should be broadly applicable to genomic medicine as a field, and yield findings of significance beyond a single disease, gene, or setting. Projects are strongly encouraged to include ancestrally diverse and underrepresented participants and populations. This initiative is also available through the Exploratory/Developmental Grant (R21).

Funder: National Institutes of Health (NIH)
Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field
Amount: \$600,000/yr for 5 years
Deadline: 13 Mar 2023

Accelerating Innovations in Biomanufacturing Approaches through Collaboration Between NSF and the DOE BETO funded Agile BioFoundry (NSF-DOE/ABF Collaboration)

Purpose: The National Science Foundation (NSF) and the Department of Energy's Bioenergy Technologies Office (DOE BETO) recognize the critical roles that synthetic and engineering biology play in advancing the U.S. Bioeconomy. To translate advances in synthetic and engineering biology into products and processes that will impact the U.S. bioeconomy, there is a need to accelerate innovation and adopt new biomanufacturing approaches. The integrated Design-Build-Test-Learn (DBTL) capabilities of the DOE BETO funded Agile BioFoundry (ABF) offer a unique resource to the academic community to develop and implement innovative biodesign and biomanufacturing technologies and practices. To help advance the U.S. bioeconomy, these agencies invite proposals from researchers at institutions of higher education and non-profit organizations. The proposals must leverage the unique DBTL capabilities available at the ABF to translate the latest advances in synthetic biology and engineering biology basic research into testable prototype processes and products that are potentially scalable and manufacturable and can

be appropriately validated. Of particular interest are proposals that both leverage the DBTL capabilities of the ABF to translate basic science into bioeconomy-relevant innovation and also lead to the development of generalizable rules or theories of biological systems that enhance our understanding of basic science.

Funder: National Science Foundation (NSF)
Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field
Amount: varies to reflect the needs of the project
Deadline: 15 Mar 2023

Mid-Career Enhancement Awards to Integrate Basic Behavioral, Biomedical, and/or Social Scientific Processes (K18 No Independent Clinical Trials)

Purpose: The objective of the Career Enhancement Award for Experienced Investigators (K18) is to provide support for experienced scientists who either wish to broaden their scientific capabilities or to make changes in their research careers by acquiring new research skills or knowledge. This Funding Opportunity Announcement (FOA) invites applications from investigators who strive to expand their research trajectories through the acquisition of new knowledge and skills in the areas of basic psychological processes, sociological processes, and/or biomedical pathways—expertise that is beyond and enhances their current areas of expertise. The program will support career development experiences and a small-scale research project that will provide experienced investigators with the scientific competencies required to conduct independent research projects that more thoroughly investigate interrelationships among behavioral, biological, endocrine, epigenetic, immune, inflammatory, neurological, psychological, and/or social processes.

Funder: National Institutes of Health (NIH)
Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field
Amount: varies to reflect the needs of the project
Deadline: March 17, 2023

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UPCOMING EVENTS

October 4, 2022 • 1:00 - 2:00 PM

Open Access Publications: Best Practices for Finding Others' Research and Publicly Sharing Yours

You probably know that you can find cost-free (i.e., open access) copies of many journal articles online. But do you know how to determine if a specific article you seek is free to read (and legally posted)? This workshop will clear up some common confusions about open access, highlight some sites where open access publications can be found, and demonstrate some tools for quickly determining whether a specific item is open access. Further, we will cover a range of options for making your own scholarly work open access, and consider some reasons why you might want to. We'll pay particular attention to CUNY's own public access repository, CUNY Academic Works. *Training presented by the Graduate Center.* [Link to register](#)

October 6, 2022 • 1:00 - 2:00 PM

Grants & Funding Databases

This workshop will cover GrantForward & Pivot, two databases that help to identify funding opportunities in a variety of fields, and are provided through the Research Foundation. We'll discuss how to get started, narrowing your search, and considerations of different funding types. *Training presented by the Graduate Center.* [Link to register](#)

October 12, 2022 • 1:00 - 2:00 PM

Journal Article Contracts: Understanding and Retaining Your Rights as an Author

When you publish a journal article, you sign a copyright agreement. Do you know what you're agreeing to when you sign it? Different journals have different policies: Some journals require you to relinquish your copyright. (You then have to ask permission or even pay to share your article with students and colleagues!) Some journals allow you to retain some rights (e.g., the right to post online). Some journals leave copyright in your hands. (You simply give the journal a non-exclusive license to publish the article.) How can you find out a journal's policy? How can you negotiate your contract to make the most of your rights as a scholar, researcher, and author? Come learn how to preserve your rights to reproduce, distribute, and display the work you create. *Training presented by the Graduate Center.* [Link to register](#)

October 19, 2022 • 12:00 - 1:00 PM

Pivot-RP Training for CUNY Grants Officers and Other Designated Administrators

Pivot-RP is an online tool that helps users connect with global and local research opportunities. As administrators on your campus, not only do you have access to basic features, but also to specific administrative functions and privileges as well. Learn how to utilize these additional features to leverage the funding opportunities on your individual campuses. *Training presented as part of the RFCUNY Brown Bag Series.* [Link to register](#)