

UPCOMING FUNDING OPPORTUNITIES

EXTERNAL OPPORTUNITIES

Peer Reviewed Cancer Research Program Idea Award

Purpose: The FY23 PRCRP Idea Award supports innovative, untested, high-risk/potentially high-reward concepts, theories, paradigms, and/or basic cancer research that are relevant to active-duty Service Members, Veterans, other military beneficiaries, and the American public. The advancement of knowledge in cancer research, patient care, and/or treatment options in the MHS is critical to active-duty Service Members, Veterans, other military beneficiaries, and the American public. The intention of the Idea Award is innovative basic research that may introduce a new paradigm, challenge existing paradigms, look at existing problems from new perspectives, or exhibit other highly creative qualities. The Idea Award is not intended to support a logical progression of an already established research project in a laboratory.

Funder: Department of Defense (DoD)
Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field
Amount: \$400,000 over 2 years
Pre-Application Deadline: 25 May 2023

Peer Reviewed Cancer Research Program Impact Award

Purpose: The FY23 PRCRP Impact Award supports hypothesis-driven, high-impact research. The intent of the Impact Award mechanism is to fund mature research projects that specifically focus on critical scientific or clinical cancer issues, which have the potential to make a major near-term impact on at least one of the FY23 PRCRP Topic Areas. Important factors under consideration will be continuity of research, clinical applicability, and leveraging of clinical samples and trials. The Impact Award supports identifying scientific outcomes that, through rigorous, robust research, are translatable toward treatment and/or preventive strategies. Research proposed should aim to accelerate promising

findings toward clinical applicability and leverage research results to maximize impact.

Funder: Department of Defense (DoD)
Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field
Amount: \$1,000,000 over 3 years
Pre-Application Deadline: 25 May 2023

Research With Activities Related to Diversity (ReWARD) (R01 Clinical Trial Optional)

Purpose: The NIH Research With Activities Related to Diversity (ReWARD) Program's overarching goal is to enhance the breadth and geographical location of research and research-related activities supported by NIH. The ReWARD program provides support for the health-related research of scientists who are making a significant contribution to Diversity, Equity, Inclusion, and Accessibility (DEIA) and who have no current NIH research project grant funding. The ReWARD program provides funding for both the scientific research and the DEIA activities of investigators. The grant will support scientific research in areas related to the programmatic interests of one or more of the participating NIH Institutes and Centers (ICs) and ongoing DEIA activities focused on enhancing diversity in the biomedical research enterprise within the United States and territories.

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 Jun 2023

Basic Research in Cancer Health Disparities (R01 Clinical Trial Not Allowed)

Purpose: This Funding Opportunity Announcement (FOA) encourages grant applications from investigators interested in conducting basic, mechanistic research into the biological/genetic causes of cancer health disparities. These research project grants (R01) will support innovative studies designed to investigate biological/genetic bases of cancer health disparities, such as (1) mechanistic studies of biological factors associated with cancer health disparities, including those related

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to basic research in cancer biology or cancer prevention strategies, (2) the development and testing of new methodologies and models, and (3) secondary data analyses. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research who can expand available resources and tools, such as biospecimens, patient derived models, and methods that are necessary to conduct basic research in cancer health disparities. This initiative is also available through the Exploratory/Developmental Grants (R21) and Small Research Grants (R03) mechanisms.

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 Jun 2023

Precision Approaches in Radiation Synthetic Combinations (PAIRS, R01 Clinical Trial Optional)

Purpose: Through this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) solicits R01 research projects that seek to investigate actionable synthetic vulnerabilities that can be conditionally paired with tumor responses to radiation therapy. The goal of the Precision Approaches in Radiation Synthetic Combinations (PAIRS) program is to develop radiation-synthetic combination strategies and facilitate their adoption into the precision medicine toolkit toward building new and effective anticancer treatments.

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 Jun 2023

Impacts of climate change across the cancer control continuum (R01 Clinical Trial Optional)

Purpose: This notice of funding opportunity (NOFO) aims to support innovative research relevant to advancing the understanding of the effects of climate change across the cancer control continuum, from cancer etiology and cancer risks through survivorship, and ways to

prevent or mitigate negative health effects. This includes, but is not limited to, studies to improve knowledge of the impact of climate change related environmental effects on cancer risks, control and behaviors. This initiative is also available through the Exploratory/Developmental Grants (R21) mechanism.

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 Jun 2023

Systematic Testing of Radionuclides in Preclinical Experiments (STRIPE) (R01 Clinical Trial Not Allowed)

Purpose: The purpose of this Funding Opportunity Announcement (FOA) is to solicit R01 research projects utilizing state-of-the-art cancer biology methods and model systems to study effects of different types of radiation used in radionuclide-based therapeutics (e.g., radiopharmaceutical therapy) on normal tissue, tumor cells and the tumor microenvironment. This initiative is also available through the Exploratory/Developmental Grants (R21) mechanism.

Funder: National Institutes of Health (NIH)

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

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

Deadline: 05 Jun 2023

Epidemiologic Research on Emerging Risk Factors and Liver Cancer Susceptibility (R01 Clinical Trial Not Allowed)

Purpose: The purpose of this Funding Opportunity Announcement (FOA) is to promote epidemiologic research investigating novel and innovative hypotheses on emerging risk factors (biological, environmental, and social) and their interplay with established risk factors (e.g., viral hepatitis) associated with the development of liver cancer (hepatocellular carcinoma and other histological subtypes) in the United States. This initiative is also available through the Exploratory/Developmental Grants (R21) mechanism.

Funder: National Institutes of Health (NIH)

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

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Amount: varies to reflect the needs of the project

Deadline: 05 Jun 2023

NIH Pathway to Independence Award (Parent K99/R00 Independent Basic Experimental Studies with Humans Required)

Purpose: The purpose of the NIH Pathway to Independence Award (K99/R00) program is to facilitate a timely transition of outstanding postdoctoral researchers with a research and/or clinical doctorate degree from mentored, postdoctoral research positions to independent, tenure-track or equivalent faculty positions. The program will provide independent NIH research support during this transition in order to help awardees to launch competitive, independent research careers. Types of studies that should be submitted under this FOA include studies that prospectively assign human participants to conditions (i.e., experimentally manipulate independent variables) and that assess biomedical or behavioral outcomes in humans for the purpose of understanding the fundamental aspects of phenomena without specific application towards processes or products in mind.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field

Amount: varies to reflect the needs of the project

Deadline: 12 Jun 2023

Understanding Expectancies in Cancer Symptom Management (R01 Clinical Trial Required)

Purpose: This Notice of Funding Opportunity (NOFO) will solicit mechanistic research that aims to understand how and why expectancy effects occur in a cancer context, elucidate their role in cancer symptom management, and identify patients, symptoms, cancer sites, and contexts in which expectancy effects can be leveraged to improve cancer outcomes. Expectancies are defined in this context as beliefs about future outcomes, including one's response to cancer or cancer treatment. Expectancies can be evoked by social, psychological, environmental, and systemic factors. Expectancy effects are the cognitive, behavioral, and biological outcomes caused by expectancies. Expectancy effects can be generated by expectancies held by patients,

clinicians, family members, caregivers, and/or dyadic/social networks. Program is particularly interested in applications that enroll individuals and groups from populations historically underrepresented or excluded from biomedical and behavioral research.

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: 15 Jun 2023

2024 Helen Hay Whitney Foundation Research Fellowship

Purpose: The Helen Hay Whitney Foundation supports early postdoctoral research training in all basic biomedical sciences. To attain its ultimate goal of increasing the number of imaginative, well-trained and dedicated medical scientists, the Foundation grants financial support of sufficient duration to help further the careers of young men and women engaged in biological or medical research. Candidates who hold, or are in the final stages of obtaining a Ph.D., M.D., or equivalent degree and are seeking beginning postdoctoral training in basic biomedical research are eligible to apply for a fellowship.

Funder: Helen Hay Whitney Foundation

Applicant: Postdoctoral Trainee

Amount: \$210,000 over 3 years

Deadline: 15 Jun 2023

Exploratory/Developmental Bioengineering Research Grants (EBRG) (R21 Clinical Trial Optional)

Purpose: The purpose of this engineering-oriented funding opportunity announcement (FOA) is to encourage submissions of exploratory/developmental Bioengineering Research Grant (EBRG) applications to demonstrate feasibility and potential utility of new capabilities or improvements in quality, speed, efficacy, operability, costs, and/or accessibility of solutions to problems in basic biomedical, pre-clinical, or clinical research, clinical care delivery, or accessibility. This FOA will support clinical trials that test functionality or validate performance in the chosen setting. Applications that propose phase III clinical trials in any area of

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cancer research are not sought by and will not be supported through this FOA

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 Jun 2023

Prostate Cancer Research Program

Exploration – Hypothesis Development Award

Purpose: The FY23 PCRP Idea Development Award is intended to support new ideas that represent innovative approaches to prostate cancer research and have the potential to make an important contribution to the PCRP Mission. The key components of this award mechanism are: Innovation, Impact, and Preliminary Data. To maximize the potential for impact, investigators are strongly encouraged to incorporate the following components into their study design where appropriate: authentication of proposed cell lines; statistical rigor of preclinical animal experiments and epidemiological studies; incorporation of experiments to assess clinical relevance and translatability of findings; and validation in patient cohorts. Investigators considering use of resources are highly encouraged to provide a letter of support indicating access to and the availability of the desired resources to support the study.

Funder: Department of Defense (DoD)

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

Amount: \$100,000 over 2 years

Pre-Application Deadline: 22 Jun 2023

Prostate Cancer Research Program Idea Development Award

Purpose: The FY23 PCRP Exploration – Hypothesis Development Award supports the exploration of highly innovative, untested, potentially high-gain concepts, theories, paradigms, and/or methods that address an important problem relevant to one or more of the FY23 PCRP Overarching Challenges. This award is designed to provide investigators the opportunity to pursue serendipitous observations that may reveal entirely new avenues for investigation. Results of studies conducted through this award may provide the scientific premise upon which a new hypothesis can be

based or initial proof-of-principle of an innovative hypothesis, laying the groundwork for future avenues of scientific investigation.

Funder: Department of Defense (DoD)

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

Amount: \$900,000 over 3 years

Pre-Application Deadline: 29 Jun 2023

Discovery and Development of Natural Products for Cancer Interception and Prevention (UG3/UH3 Clinical Trial Not Allowed)

Purpose: Through this Notice of Funding Opportunity (NOFO), the National Cancer Institute (NCI) intends to support the discovery and development of novel natural products that are safe, non-toxic, and efficacious for cancer interception and prevention. The UG3 phase will provide up to three years of support for milestone-driven initial target selection, verification of the target in clinical samples and preclinical in vivo studies, assay development, and/or assay validation for target activity, as well as on-target toxicity screening, and pilot screening of natural agents. If UG3 milestones are met, support may be provided for a full-scale screening, identification of active natural compounds, full-scale evaluation of screened individual agents, assessment of the natural product's effect in vitro and in vivo, and determining the optimal dose for subsequent studies and safety testing in the UH3 phase.

Funder: National Institutes of Health (NIH)

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

Amount: \$250,000 - \$400,000/yr for 3 years

Deadline: 29 Jun 2023

Instrumentation Grant Program for Resource-Limited Institutions (S10 - Clinical Trial Not Allowed)

Purpose: The Instrumentation Grant Program for Resource-limited Institutions supports the purchase of state-of-the-art scientific instruments to enhance the research and educational missions of resource-limited institutions. Requested instruments may support biomedical research and education in basic, translational, biomedically-related behavioral or clinical fields.

Funder: National Institutes of Health (NIH)

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

Amount: varies to reflect the needs of the project

Deadline: 03 Jul 2023

Research Grants and Fellowships Program

Purpose: The Prevent Cancer Foundation is the only U.S.-based nonprofit organization solely dedicated to cancer prevention and early detection. Our mission is empowering people to stay ahead of cancer through prevention and early detection. The Foundation funds important research grants and fellowships at some of the most prestigious academic institutions and medical cancer centers across the U.S. The goal of the Prevent Cancer Foundation's research program is to identify and to provide seed funding for innovative projects with the potential to make substantial contributions to cancer prevention or early detection. Eligible proposals must be original and clearly describe pre-clinical, translational, clinical or population-based research projects in the field of cancer prevention or early detection. If successful, research projects reduce the frequency of epithelial neoplasms (e.g., brain, head and neck, lung, breast, prostate, uterus, cervix, ovary, esophagus, stomach, colon, pancreas, liver, skin (including melanoma), HPV-related cancers or hematologic malignancies). An eligible proposal must demonstrate substantial potential for impact on prevention and early detection of cancer.

Funder: Prevent Cancer Foundation

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

Amount: \$100,000 over 2 years

Deadline: 11 Jul 2023

NIH Science Education Partnership Award (SEPA) (R25 - Clinical Trial Not Allowed)

Purpose: The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this R25 program is to support educational activities that encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research. To accomplish the stated over-arching goal, this NOFO will support educational activities with a primary focus on:

courses for skills development; research experiences; mentoring activities; curriculum or methods development; and outreach.

Funder: National Institutes of Health (NIH)

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

Amount: \$250,000/yr for 5 years

Deadline: 14 Jul 2023

Improving Undergraduate STEM Education: Directorate for STEM Education (IUSE: EDU)

Purpose: The National Science Foundation (NSF) plays a leadership role in developing and implementing efforts to enhance and improve STEM education in the United States. Through the NSF Improving Undergraduate STEM Education (IUSE) initiative, the agency continues to make a substantial commitment to the highest caliber undergraduate STEM education through a Foundation-wide framework of investments. The IUSE: EHR is a core NSF STEM education program that seeks to promote novel, creative, and transformative approaches to generating and using new knowledge about STEM teaching and learning to improve STEM education for undergraduate students. The program is open to application from all institutions of higher education and associated organizations. NSF places high value on educating students to be leaders and innovators in emerging and rapidly changing STEM fields as well as educating a scientifically literate public. In pursuit of this goal, IUSE: EHR supports projects that seek to bring recent advances in STEM knowledge into undergraduate education, that adapt, improve, and incorporate evidence-based practices into STEM teaching and learning, and that lay the groundwork for institutional improvement in STEM education. In addition to innovative work at the frontier of STEM education, this program also encourages replication of research studies at different types of institutions and with different student bodies to produce deeper knowledge about the effectiveness and transferability of findings.

Funder: National Science Foundation (NSF)

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

Amount: \$400,000 - \$2,000,000/yr up to 5 years

Deadline: 19 Jul 2023

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Peer Reviewed Cancer Research Program Career Development Award

Purpose: The PRCRP is seeking to advance cancer research through development of early-career investigators. Depending on the career path of the candidates, the PRCRP will offer two distinct early-career development options: the Career Development Award-Fellow Option (CDA-FO) and the Career Development Award-Resident Option (CDA-RO). Under this award mechanism, the early-career investigator is considered the Principal Investigator (PI), and the application should focus on the PI's research and career development.

Funder: Department of Defense (DoD)

Applicant: Early Career and Emerging in Field

Amount: \$200,000 - \$400,000 over 3 years

Pre-Application Deadline: 25 Jul 2023

Science and Technology Studies (STS)

Purpose: Science and Technology Studies (STS) is an interdisciplinary field that investigates the conceptual foundations, historical developments and social contexts of science, technology, engineering and mathematics (STEM), including medical science. The STS program supports proposals across a broad spectrum of research that uses historical, philosophical and social scientific methods to investigate STEM theory and practice. STS research may be empirical or conceptual; specifically, it may focus on the intellectual, material or social facets of STEM including interdisciplinary studies of ethics, equity, governance and policy issues.

Funder: National Science Foundation (NSF)

Applicant: Doctoral Student

Amount: \$75,000-\$100,000/yr for 3 years

Deadline: 03 Aug 2023

Prostate Cancer Research Program Early Investigator Research Award

Purpose: The FY23 PCRFP Early Investigator Research Award supports prostate cancer-focused research opportunities for individuals in the early stages of their careers under the guidance of one or more designated mentors. This opportunity allows early-career investigators to develop a research project, investigate a problem or question in prostate cancer research,

and further their intellectual development as prostate cancer researchers of the future.

Funder: Department of Defense (DoD)

Applicant: Early Career and Emerging in Field

Amount: \$300,000 over 2 years

Pre-Application Deadline: 03 Aug 2023

NIH Director's New Innovator Award Program (DP2 Clinical Trial Optional)

Purpose: The NIH Director's New Innovator Award Program supports early stage investigators of exceptional creativity who propose highly innovative research projects with the potential to produce a major impact on broad, important areas relevant to the mission of NIH. For the program to support the best possible researchers and research, applications are sought which reflect the full diversity of the research workforce. Individuals from diverse backgrounds, including those from underrepresented groups and from the full spectrum of eligible institutions in all geographic locations are strongly encouraged to apply to this Funding Opportunity Announcement. In addition, applications in all topics relevant to the broad mission of NIH are welcome, including, but not limited to, topics in the behavioral, social, biomedical, applied, and formal sciences and topics that may involve basic, translational, or clinical research. The NIH Director's New Innovator Award Program complements other ongoing efforts by NIH and its Institutes and Centers to fund early stage investigators. The NIH Director's New Innovator Award Program is a component of the High-Risk, High-Reward Research (HRHR) Program of the NIH Common Fund.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field

Amount: \$600,000 - \$900,000 over 5 years

Deadline: 18 Aug 2023

Improving Undergraduate STEM Education: Hispanic-Serving Institutions (HSI Program)

Purpose: The goals of the HSI program are to enhance the quality of undergraduate science, technology, engineering, and mathematics (STEM) education and to increase the recruitment, retention, and graduation rates of students pursuing associates or baccalaureate degrees in STEM. Achieving these, given the

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diverse nature and context of the HSIs, requires additional strategies that support building capacity at HSIs through innovative approaches: to incentivize institutional and community transformation; and to promote fundamental research (i) on engaged student learning, (ii) about what it takes to diversify and increase participation in STEM effectively, and (iii) that improves our understanding of how to build institutional capacity at HSIs. Intended outcomes of the HSI Program include broadening participation of students that are historically

underrepresented in STEM and expanding students' pathways to continued STEM education and integration into the STEM workforce.

Funder: National Science Foundation (NSF)

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

Amount: \$200,000 - \$3,000,000 over 5 years

Deadline: 30 Aug 2023

UPCOMING EVENTS

April 17 • 2:00 - 3:00 PM

Science Workshop Series - Open Access Publishing and Repository Use

This workshop will help researchers, writers, and students think about evaluating the relative quality and credibility of journals and publishers. This is an essential skill for anyone creating or consuming scientific writing. *Training presented by the Graduate Center.* [Link to register](#)

April 26 • 12:00 - 1:00 PM

U.S. Department of Health and Human Services (HHS)-Center for Medicare and Medicaid Services (CMS) Minority Research Grant Program (MRGP)

MRGP provides funding opportunities to support health equity research. Through this funding opportunity, the Minority Research Grant Program will make awards to eligible institutions. The purpose of the MRGP is to support researchers at minority serving institutions that are exploring how HHS can better meet the health care needs of CMS beneficiaries. The MRGP supports research on the discovery and characterization of health processes, practices, behaviors, and burdens or issues related to CMS programs, policies, and operations, that influence health equity. Funded research may comprehensively address the social determinants of health that drive or influence the barriers and

opportunities populations described above experience related to CMS-supported benefits, services, and coverage. By focusing on understanding how inequities in communities impact health, Funded research may also employ participatory methods that foster equitable engagement of affected communities in research, such as convening and advisory board with community members, community-based organizations, and service providers. The three goals of the MRGP are to: 1) Develop capacity at minority serving institutions to research health disparities and social determinants of health; 2) Understand the root cause of issues – processes, practices, behaviors, and burdens – that lead to health disparities and identify replicable interventions; and 3) Strengthen CMS programs by disseminating best practices uncovered through funded research. Presenters will be: John Tsapogas, Director, RFCUNY-APPS and Josh Brumberg, Dean for the Sciences, CUNY Graduate Center. *Training presented as part of the RFCUNY Brown Bag Series.* [Link to register](#)

May 31 (tentative)

ORSP Grants Workshop

BC's Office of Research and Sponsored Programs will be hosting a grants workshop. The date is currently tentative, but more details will be shared in future grants list, when available.