

UPCOMING FUNDING OPPORTUNITIES

EXTERNAL OPPORTUNITIES

Innovator Award II (INNOV-2)

Purpose: The Innovator Award supports visionary individuals who have demonstrated exceptional creativity, innovative work, and paradigm-shifting leadership in any field including, but not limited to, breast cancer. The Innovator Award will provide these individuals with the funding and freedom to pursue their most novel, visionary, high-risk ideas that could accelerate progress to ending breast cancer.

Funder: Department of Defense (DoD)

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

Amount: \$7,000,000 over 4 years

Pre-Application Deadline: 03 Aug 2022

Transformative Breast Cancer Consortium Award II (TBCCA-2)

Purpose: The Transformative Breast Cancer Consortium Award is designed to support collaborations and ideas that will transform the lives of individuals with, and/or at risk for, breast cancer and will significantly accelerate progress toward ending breast cancer. Applicants must bring together different perspectives to develop new paradigms that will solve fundamental yet overarching problems in breast cancer. This award requires a team-based approach by a consortium of exceptional researchers and advocates, whose collaborative efforts will make a transformative impact in breast cancer. The transformation intended by the consortium must be in people's lives, and not in the healthcare or research system. The consortium should have at least four, but no more than five, project teams, each investigating different projects under a central hypothesis. Each team's work must be integrated within the consortium so that every component is working toward the consortium's central hypothesis.

Funder: Department of Defense (DoD)

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

Amount: \$25,000,000 over 4 years

Pre-Application Deadline: 03 Aug 2022

Health Disparity Research Award (HDRA)

Purpose: The FY22 PCRP Health Disparity Research Award supports promising research ideas that have high potential to make a significant impact in eliminating disparities in prostate cancer incidence, morbidity, mortality, and survivorship. Applications are encouraged from a spectrum of disciplines, including but not limited to basic science, engineering, bioinformatics, population science, psycho-oncology, translational research, and health care services.

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: 04 Aug 2022

NIH Director's Early Independence Awards (DP5 Clinical Trial Optional)

Purpose: The NIH Director's Early Independence Award supports exceptional junior investigators who wish to pursue independent research soon after completion of their terminal doctoral degree or post-graduate clinical training, thereby forgoing the traditional post-doctoral training period and accelerating their entry into an independent research career. 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.

Funder: National Institutes of Health (NIH)

Applicant: Postdoctoral and Early Career

Amount: \$250,000/yr for 5 years (+Facility & Admin costs)

Deadline: 02 Sep 2022

NIH Director's Pioneer Award Program (DP1 Clinical Trial Optional)

Purpose: The NIH Director's Pioneer Award Program supports individual scientists of exceptional creativity who propose highly innovative research projects with the potential to

BCCC-CURE Funding Opportunities / July 19, 2022

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 nation's research workforce. 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. To be considered pioneering, the proposed research must reflect substantially different scientific directions from those already being pursued in the investigator's research program or elsewhere.

Funder: National Institutes of Health (NIH)
Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field
Amount: \$700,000/yr for 5 years (+Facility & Admin costs)
Deadline: 09 Sep 2022

Breakthrough Award Levels 1 and 2 II (BTA12-2)

Purpose: Supports promising research that has high potential to lead to or make breakthroughs in breast cancer. Potential impact of the research may be near-term or long-term, but it must move beyond a minor advancement and have the potential to lead to a new approach that is fundamentally better than interventions already approved or in clinical development.

Funder: Department of Defense (DoD)
Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field
Amount: \$450,000 - 2,000,000 over 3 or 4 years
Pre-Application Deadline: 22 Sep 2022

Innovative Biospecimen Science Technologies for Basic and Clinical Cancer Research (R61 Clinical Trial Not Allowed)

Purpose: This Funding Opportunity Announcement (FOA) solicits grant applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies that improve the quality of the samples used for cancer research or clinical care. This includes new capabilities to address issues related to pre-analytical degradation of targeted analytes during the collection, processing, handling, and/or storage

of cancer-relevant biospecimens. The overall goal is to support the development of highly innovative technologies capable of maximizing or otherwise interrogating the quality and utility of biological samples used for downstream analyses. This FOA will support the development of tools, devices, instrumentation, and associated methods to preserve or protect sample integrity, or establish verification criteria for quality assessment/quality control and handling under diverse conditions. This initiative is also available through the Exploratory/Developmental Grants Phase II (R33) mechanism.

Funder: National Institutes of Health (NIH)
Applicant: Early Career and Emerging in Field / Mid-Career to Established in Field
Amount: \$150,000/yr for 3 years
Pre-Application Deadline: 22 Sep 2022

National Cancer Institute Program Project Applications (P01 Clinical Trial Optional)

Purpose: With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated Program Project (P01) applications. The proposed Program may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer prevention, cancer diagnosis, cancer treatment, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each application submitted in response to this FOA must consist of at least three research projects and an Administrative Core. The projects must share a common central theme, focus, and/or overall objective.

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: 25 Sep 2022

Center of Excellence for Research on Complementary and Integrative Health (P01 Clinical Trial Optional)

Purpose: This Funding Opportunity Announcement (FOA) encourages the submission of applications requiring multi-project, synergistic collaborations blending multiple research approaches from outstanding

BCCC-CURE Funding Opportunities / July 19, 2022

multidisciplinary research teams. This Center of Excellence for Research on Complementary and Integrative Health (CERCIH) program is designed to support three or more highly meritorious projects that can offer significant scientific advantages and "synergy" that could not be achieved by supporting the same projects as individual research grants. Each CERCIH must be focused on questions of high relevance to the mission of NCCIH and high research priority based on the current Strategic Plan.

Funder: National Institutes of Health (NIH)

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

Amount: \$1,250,000/yr for 5 years

Pre-Application Deadline: 25 Sep 2022

Cancer Research Education Grants Program - Courses for Skills Development (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 complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated overarching goal, this FOA will support creative educational activities with a primary focus on courses for skills development. Applications are encouraged that propose innovative, state-of-the-art programs that address the cause, diagnosis, prevention, or treatment of cancer, rehabilitation from cancer, or the continuing care of cancer patients and the families of cancer patients, in order to advance the NCI mission.

Funder: National Institutes of Health (NIH)

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

Amount: \$300,000/yr for 5 years

Deadline: 25 Sep 2022

NIEHS Research Intensive Short Courses and Educational Opportunities (NIEHS RISE) (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 complement and/or

enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated overarching goal, this FOA will support creative educational activities with a primary focus on courses for skills development. The intent of this FOA is to encourage applications to develop and conduct short-term research education activities with the goal of improving knowledge and skills needed to conduct environmental health research. Short courses submitted under this FOA are expected to include relevant intensive hands-on training in environmental health science topics. In addition to in-person instruction, courses that incorporate innovative or novel education models, such as project-based learning or virtual instruction, 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: 25 Sep 2022

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant (Parent T32)

Purpose: The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible, domestic institutions to enhance predoctoral and postdoctoral research training, including short-term research training, and help ensure that a diverse and highly trained workforce is available to meet the needs of the Nation's biomedical, behavioral, and clinical research agenda. Research training programs are expected to incorporate didactic, research, and career development elements to prepare trainees for careers that will have a significant impact on the health-related research needs of the Nation. Programs proposing only short-term predoctoral research training should not apply to this announcement, but rather to the Kirschstein-NRSA Short-Term Institutional Research Training Grant Program (T35) exclusively reserved for predoctoral, short-term research training.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field

Amount: varies to reflect the needs of the project

Deadline: 25 Sep 2022

BCCC-CURE Funding Opportunities / July 19, 2022

National Institute of General Medical Sciences Predoctoral Institutional Research Training Grant (T32 - Clinical Trial Not Allowed)

Purpose: The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible, domestic institutions to enhance predoctoral and postdoctoral research training, including short-term research training, and help ensure that a diverse and highly trained workforce is available to meet the needs of the Nation's biomedical, behavioral, and clinical research agenda. Research training programs are expected to incorporate didactic, research, and career development elements to prepare trainees for careers that will have a significant impact on the health-related research needs of the Nation. Programs proposing only short-term predoctoral research training should not apply to this announcement, but rather to the Kirschstein-NRSA Short-Term Institutional Research Training Grant Program (T35) exclusively reserved for predoctoral, short-term research training. This FOA does not allow appointed Trainees to lead an independent clinical trial but does allow them to obtain research experience in a clinical trial led by a mentor or co-mentor.

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: 25 Sep 2022

National Institute of General Medical Sciences (NIGMS) Bridges to the Baccalaureate Research Training Program (T34)

Purpose: The goal of the Bridges to the Baccalaureate Research Training Program is to provide structured activities to prepare a diverse cohort of research-oriented students to transfer from associate degree-granting institutions to baccalaureate degree-granting institutions and complete a baccalaureate degree in disciplines related to the biomedical sciences. This funding opportunity announcement (FOA) provides support to eligible, domestic institutions to develop and implement effective, evidence-informed approaches to biomedical training and mentoring that will keep pace with the rapid evolution of the research enterprise. NIGMS

expects that the proposed research training programs will incorporate didactic, research, mentoring, and career development elements. This program requires strong partnerships between at least two post-secondary educational institutions offering science, technology, engineering, or mathematics (STEM) degrees. At least one partner must be an institution that offers the associate degree as the highest STEM degree and the other partner(s) must offer baccalaureate degrees in biomedically relevant STEM fields. Upon completion of the Bridges to the Baccalaureate Research Training program, trainees are expected to be well positioned to pursue research-oriented biomedical higher degree programs or enter careers in the biomedical research workforce.

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: 26 Sep 2022

Bridges to the Doctorate Research Training Program (T32)

Purpose: The goal of the Bridges to the Doctorate Research Training Program is to develop a diverse pool of scientists earning a Ph.D. who have the skills to successfully transition into careers in the biomedical research workforce. This funding opportunity announcement (FOA) provides support to eligible, domestic institutions to develop and implement effective, evidence-informed approaches to biomedical training and mentoring that will keep pace with the rapid evolution of the research enterprise. NIGMS expects that the proposed research training programs will incorporate didactic, research, mentoring, and career development elements to prepare trainees for careers that will have a significant impact on the health-related research needs of the Nation. This FOA does not allow appointed trainees to lead an independent clinical trial but does allow them to obtain research experience in a clinical trial led by a mentor or co-mentor.

Funder: National Institutes of Health (NIH)

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

Amount: varies to reflect the needs of the project

Deadline: 27 Sep 2022

BCCC-CURE Funding Opportunities / July 19, 2022

Support for Research Excellence – First Independent Research (SuRE-First) Award (R16 - Clinical Trial Not Allowed)

Purpose: SuRE is a research capacity building program designed to develop and sustain research excellence in U.S. higher education institutions that receive limited NIH research support and serve students from groups underrepresented in biomedical research with an emphasis on providing students with research opportunities and enriching the research environment at the applicant institutions. The purpose of SuRE-First awards is to support research grants for faculty investigators who have not had prior independent external research grants.

Funder: National Institutes of Health (NIH)

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

Amount: \$125,000/yr for 4 years

Deadline: 28 Sep 2022

National Cancer Institute Youth Enjoy Science Research Education Program (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 FOA will support creative educational activities with a primary focus on research experiences, curriculum or methods development, and outreach. With the aim of enhancing the pool of individuals from underrepresented backgrounds interested in pursuing a career in biomedical research via early intervention strategies, the Program will support efforts to create and maintain an institutional program to engage undergraduate students from underrepresented populations in cutting edge cancer research experiences.

Funder: National Institutes of Health (NIH)

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

Amount: \$400,000/yr for 5 years

Deadline: 28 Sep 2022

Kidney Cancer Research Program Academy of Kidney Cancer Investigators – Early-Career Scholar Award

Purpose: The Academy of Kidney Cancer Investigators (AKCI) is a virtual career development and research mentoring platform that consists of Early-Career Scholar (ECS)/Designated Mentor pairs from different institutions, and an Academy Dean. The KCRP AKCIECSA is not a traditional career development award; the ECS is expected to conduct research, participate in monthly webinars, and annual workshops and to communicate and collaborate with other members of the Academy (other Early-Career Scholars, mentors, Dean) as well as with the kidney cancer advocacy community. The KCRP Academy of Kidney Cancer Investigators – Early-Career Scholar Award supports a unique, interactive virtual academy providing intensive mentoring, national networking, collaborations, and a peer group for junior faculty emerging as potential leaders of kidney cancer research. The overarching goal of the AKCI is to advance kidney cancer research through development of highly productive kidney cancer researchers in a collaborative research and career development environment.

Funder: Department of Defense (DoD)

Applicant: Early Career and Emerging in Field

Amount: \$725,000 over 4 years

Pre-Application Deadline: 29 Sep 2022

Research to Understand and Address the Survivorship Needs of Individuals Living with Advanced Cancer (R01 Clinical Trial Optional)

Purpose: The purpose of this Funding Opportunity Announcement (FOA) is to support studies that aim to better understand and/or address survivorship needs for individuals living with likely incurable cancer. This group is heterogenous in terms of cancer type, treatments received, prognosis, and outcomes. Specifically, this RFA is intended to solicit applications proposing 1) observational studies to understand the trajectory of physical and psychological symptoms, patterns of care, and unmet needs; and/or 2) the development and testing of interventions to improve the delivery of comprehensive survivorship care in this group of cancer survivors.

BCCC-CURE Funding Opportunities / July 19, 2022

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: 30 Sep 2022

Promoting Research on Music and Health: Phased Innovation Award for Music Interventions (R61/R33 Clinical Trial Optional)

Purpose: The purpose of this Funding Opportunity Announcement (FOA) is to promote innovative research on music and health with an emphasis on developing music interventions aimed at understanding their mechanisms of action and clinical applications for the treatment of many diseases, disorders, and conditions. Given the emphasis on innovation, little or no preliminary data are needed to apply under this FOA. Because of the need for a multidisciplinary approach, collaborations among basic researchers, translational science researchers, music intervention experts, other clinical researchers, music health professionals, and technology development researchers are encouraged. The FOA utilizes a phased R61/R33 funding mechanism to support mechanistic research and to evaluate the clinical relevance of music interventions.

Funder: National Institutes of Health (NIH)

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

Amount: \$350,000/yr for 5 years

Deadline: 03 Oct 2022

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 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 the 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 Oct 2022

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 Oct 2022

Program to Assess the Rigor and Reproducibility of Extracellular Vesicle-Derived Analytes for Cancer Detection (R01 Clinical Trial Not Allowed)

Purpose: This Funding Opportunity Announcement (FOA) encourages research projects that focus on innovative research in the isolation and characterization of extracellular vesicles (EVs) and their cargo for discovery of predictive biomarkers for risk assessment, detection, diagnosis and prognosis of early cancer. This FOA will promote rigor and reproducibility research in both the isolation of

BCCC-CURE Funding Opportunities / July 19, 2022

EVs as well as the computational analysis of the cargo carried in these vesicles.

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 Oct 2022

Academic-Industrial Partnerships for Translation of Technologies for Diagnosis and Treatment (R01 - Clinical Trial Optional)

Purpose: The purpose of this Funding Opportunity Announcement (FOA) is to stimulate efforts to translate scientific discoveries and engineering developments into methods or tools that address problems in basic research to understand disease, or in applied research to assess risk, detect, prevent, diagnose, treat, and/or manage disease. This FOA specifies a partnership structure that is expected to help bridge gaps in knowledge and experience by engaging the strengths of academic, industrial, and other investigators. The partners on each application should establish an inter-disciplinary, multi-institutional research team to work in strategic alliance to implement a coherent strategy to develop and translate a solution to their chosen problem. They are expected to plan, design, and validate that the solution will be suitable for end users. Each partnership should include at least one academic and one industrial organization.

Funder: National Institutes of Health (NIH)

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

Amount: \$499,000/yr for 5 years

Deadline: 05 Oct 2022

Focused Technology Research and Development (R01 Clinical Trial Not Allowed)

Purpose: This Funding Opportunity Announcement (FOA) supports projects relevant to the NIGMS mission or those of other NIH institutes or Centers (ICs) participating in the FOA that focus solely on the development of technologies with the potential to enable acquisition of biomedical knowledge. Projects should be justified in terms of technical innovation and utility of such technical innovation for impacting future biomedical research. Outcomes or products of the proposed project

should significantly advance the current state of the art and be sufficiently characterized for application in addressing a broad range of biomedical research questions. These outcomes may include, but are not limited to laboratory instruments and other devices, algorithms and software, chemical reagents and processes, biological molecules or systems that have been modified by human intervention to become research tools. The goal of this FOA is to support the development of technologies with demonstrated proof-of-concept that have remaining significant technical challenges to full implementation and broad utility. 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 Oct 2022

Research Project Grant (Parent R01 Basic Experimental Studies with Humans Required)

Purpose: The NIH Research Project Grant supports a discrete, specified, circumscribed project in areas representing the specific interests and competencies of the investigator(s). This Parent Funding Opportunity Announcement is for basic science experimental studies involving humans, referred to as “prospective basic science studies involving human participants.” These studies fall within the NIH definition of a clinical trial and also meet the definition of basic research. Types of studies that should submit 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 / Mid-Career to Established in Field

Amount: varies to reflect the needs of the project

Deadline: 05 Oct 2022

BCCC-CURE Funding Opportunities / July 19, 2022

Cancer Tissue Engineering Collaborative: Enabling Biomimetic Tissue-Engineered Technologies for Cancer Research (R01 Clinical Trial Optional)

Purpose: This Funding Opportunity Announcement (FOA) will support the development and characterization of state-of-the-art biomimetic tissue-engineered technologies for cancer research. Collaborative, multidisciplinary projects that engage the fields of regenerative medicine, tissue engineering, biomaterials, and bioengineering with cancer biology will be essential for generating novel experimental models that mimic cancer pathophysiology in the context of a testable cancer research hypothesis. The projects supported by this FOA will collectively participate in the Cancer Tissue Engineering Collaborative (TEC) Research Program. The Cancer TEC Program will (1) catalyze the advancement of innovative, well characterized in vitro and ex vivo systems available for cancer research, (2) expand the breadth of these systems to several cancer types, and (3) promote the exploration of cancer phenomena with biomimetic tissue-engineered systems.

Funder: National Institutes of Health (NIH)

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

Amount: \$400,000/yr for 5 years

Deadline: 05 Oct 2022

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. This Funding Opportunity Announcement does not accept applications proposing clinical trial(s).

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 Oct 2022

Co-infection and Cancer (R01 Clinical Trial Not Allowed)

Purpose: The purpose of this Funding Opportunity Announcement (FOA) is to enhance mechanistic and epidemiologic investigations addressing the roles of co-infection. Co-infection is defined as the occurrence of infections by two or more infectious (pathogenic or non-pathogenic) agents – either concurrently or sequentially – and includes both acute and chronic infections by viruses, bacteria, parasites, and/or other microorganisms. Preference will be given to investigations of co-infections with known oncogenic agents (excluding human immunodeficiency virus [HIV]) and of co-infections that engender novel opportunities for prevention and treatment. 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 Oct 2022

NIMH Instrumentation Program (S10 Clinical Trial Not Allowed)

Purpose: The NIMH Instrumentation Program encourages applications from NIH funded investigators to purchase or upgrade a single commercially available instrument or to purchase a group of components to create an instrument that is not commercially available. The goal of the NIMH Instrumentation Program is to make such instruments available to either individual laboratories or core facilities that conduct mental health-related research. Examples of instruments that might be submitted under this Funding Opportunity Announcement (FOA) include light microscopes, electron microscopes, spectrophotometers, and biomedical imagers.

Funder: National Institutes of Health (NIH)

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

Amount: \$200,000 - \$600,000

Deadline: 05 Oct 2022

Cancer Target Discovery and Development (CTD2) (U01 Clinical Trial Not Allowed)

Purpose: Through this Funding Opportunity Announcement (FOA), the National Cancer

BCCC-CURE Funding Opportunities / July 19, 2022

Institute (NCI) will support the program "Cancer Target Discovery and Development" (CTD²). CTD² is focused on efforts that advance cancer research by bridging the knowledge gap between the large volumes of comprehensive molecular characterizations of many cancer types and studies of the underlying etiology of cancer development, progression, and/or metastasis. This FOA solicits applications for U01 cooperative agreement research projects addressing the areas outlined above. The proposed projects should use a combination of state-of-the-art high throughput informatic and experimental approaches to: characterize and validate novel cancer targets; develop precise perturbagens that can affect the proposed targets of cancer treatments and define the mechanism(s) of action; identify molecular markers that can meaningfully predict responses or resistance to anticancer therapies and develop algorithms that can be applied to predict responses to treatments and/or define more precise treatment modalities.

Funder: National Institutes of Health (NIH)

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

Amount: \$750,000/yr for 5 years

Deadline: 06 Oct 2022

EHR Core Research (ECR:Core)

Purpose: The EHR Core Research (ECR) program offers this ECR:Core solicitation and invites proposals for fundamental research (curiosity-driven basic research and use-inspired basic research) that contributes to the general, explanatory knowledge that underlies STEM education in one or more of the three broadly conceived Research Areas: Research on STEM Learning and Learning Environments, Research on Broadening Participation in STEM fields, and Research on STEM Workforce Development. Within this framework, the ECR program supports a wide range of fundamental STEM education research activities, aimed at learners of all groups and ages in formal and informal settings. Fundamental research generates knowledge and understanding with the potential for broad relevance. The potential implications of ECR fundamental research for improving STEM education practice may be indirect and long-term rather than direct and immediate. Moreover,

whether they include basic or use-inspired basic research, all successful ECR:Core proposals focus on the advancement or refinement of foundational knowledge for STEM education.

Funder: National Science Foundation (NSF)

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

Amount: \$500,000 - 2,500,000 over 3 to 5 years

Deadline: 06 Oct 2022

Exploratory Grants in Cancer Control (R21 Clinical Trial Optional)

Purpose: Through this funding opportunity announcement (FOA), the National Cancer Institute (NCI) encourages the submission of exploratory/developmental research grant (R21) applications that focus on different aspects of cancer control by modifying behavior, screening, and understanding etiologic factors contributing to the development of cancer, and developing ways to control cancer. The overarching goal is to provide support to promote the early and conceptual stages of research efforts on novel scientific ideas that have the potential to substantially advance population-based cancer research, such as the development of novel techniques, agents, interventions, methodologies, models, or applications that could have a major impact on a field of cancer 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: 07 Oct 2022

Materials to Enhance Training in Experimental Rigor (METER) (UE5 Clinical Trial Not Allowed)

Purpose: The NIH Research Education Program (UE5) supports research education activities in the mission areas of the NIH. The overarching goal of this UE5 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated overarching goal, this FOA will support creative educational activities with a primary focus on curriculum or methods development. The NINDS Materials to Enhance Training in Experimental

BCCC-CURE Funding Opportunities / July 19, 2022

Rigor (METER) UE5 will support curriculum development in the form of innovative educational materials that will be incorporated into a new cutting-edge online resource that aims to promote awareness, understanding, and practice of fundamental principles of rigorous biomedical research for researchers and other scientists in various career stages and learning environments.

Funder: National Institutes of Health (NIH)

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

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

Deadline: 11 Oct 2022

Racial Equity in STEM Education (EHR Racial Equity)

Purpose: The National Science Foundation (NSF) Directorate for Education and Human Resources (EHR) seeks to support bold, groundbreaking, 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 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.

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: 11 Oct 2022

Innovative Programs to Enhance Research Training (IPERT) (R25 Independent 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 complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated overarching goal, this FOA will support creative educational activities with a primary focus on courses for skills development and mentoring activities. NIGMS will support creative educational activities designed to equip a diverse cohort of participants with the technical, operational, and professional skills required for careers in the biomedical research workforce. Funded programs are expected to have robust evaluation, outreach, dissemination, and sustainability plans.

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: 14 Oct 2022

Institutional Research Grants

Purpose: Institutional Research Grants are awarded to institutions as block grants, providing seed money for newly independent investigators to initiate cancer research projects. The intent is to support junior faculty in initiating cancer research projects so they can obtain preliminary results that will enable them to compete successfully for national research grants.

Funder: American Cancer Society, Inc.

Applicant: Mid-Career to Established in Field

Amount: \$120,000/yr for 2 years

Deadline: 15 Oct 2022

Research Scholar Grants

Purpose: Research Scholar Grants (RSG) provide support for independent, self-directed researchers and clinician scientists, who are investigators licensed to provide patient care and trained to conduct research. Applicants' institutions must provide space and other resources customary for independent investigators. Grant proposals are investigator-initiated and may pursue questions across the cancer research continuum, as long as they fit within an American Cancer Society (ACS) priority research area. These grants typically contribute to the cost of salaries, consumable supplies, and other miscellaneous items required in the

BCCC-CURE Funding Opportunities / July 19, 2022

research. Applicants must have been first appointed as independent, full-time faculty LESS than 10 years ago to be eligible for this opportunity.

Funder: American Cancer Society, Inc.

Applicant: Early Career and Emerging in Field

Amount: \$165,000/yr for 4 years

Deadline: 15 Oct 2022

Discovery Boost Grants (DBG)

Purpose: Discovery Boost Grants (DBG) support high-risk, high-reward exploratory cancer research across the research continuum.

Investigators may focus on developing research methodologies, establishing feasibility, or leading pilot tests. It is expected that preliminary data generated from a completed DBG will have the potential to secure additional grant funding to further the research and open new and highly innovative areas for investigation.

Funder: American Cancer Society, Inc.

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

Amount: \$100,000/yr for 2 years

Deadline: 15 Oct 2022

Epidemiologic Research on Emerging Risk Factors and Liver Cancer Susceptibility (R21 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.

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 Oct 2022

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 Oct 2022

Research Centers for Cancer Systems Biology (U54 Clinical Trial Not Allowed)

Purpose: The National Cancer Institute (NCI) supports the application of systems biology approaches to cancer research through the [Cancer Systems Biology Consortium](#) (CSBC). The CSBC includes U01 Research Projects and, through this FOA, U54 Research Centers. These multi-project Research Centers should address challenges in basic cancer biology that require a coordinated systems biology approach. Research Centers should address a well-defined overarching scientific theme that will be pursued through two or three research projects. The research projects should be driven by a specific hypothesis and incorporate iterative cycles of quantitative experimentation, analysis, modeling, and validation in a disease-relevant context.

Each Research Center will be led by an interdisciplinary team of researchers with expertise in quantitative and cancer biology. An Administrative Core, optional Shared Resource Core(s), and an Outreach Core will support the overall Research Center scientific theme.

Funder: National Institutes of Health (NIH)

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

Amount: \$1,500,000/yr for 5 years

Deadline: 19 Oct 2022

Academic Research Enhancement Award for Undergraduate-Focused Institutions (R15 Clinical Trial Not Allowed)

Purpose: The purpose of this Academic Research Enhancement Award (AREA) for Undergraduate-Focused Institutions is to support small scale research grants at institutions that do not receive substantial funding from the NIH, with an emphasis on providing biomedical research

BCCC-CURE Funding Opportunities / July 19, 2022

experiences primarily for undergraduate students, and enhancing the research environment at applicant institutions. Eligible institutions must award baccalaureate science degrees and have received no more than \$6 million dollars per year of NIH support (in both direct and F&A/indirect costs) in 4 of the last 7 fiscal years.

Funder: National Institutes of Health (NIH)

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

Amount: \$300,000 over 3 years

Deadline: 25 Oct 2022

Innovative Research in Cancer Nanotechnology (IRCN) (R01 Clinical Trial Not Allowed)

Purpose: This Funding Opportunity Announcement (FOA) encourages applications promoting transformative discoveries in cancer biology and/or oncology through the use of nanotechnology. Proposed projects should address major barriers in cancer biology and/or oncology using nanotechnology and should focus on mechanistic studies to expand the fundamental understanding of nanomaterial and/or nano-device interactions with biological systems. These studies are expected to be relevant to the delivery of nanoparticles and/or nano-devices to desired and intended cancer targets in vivo and/or characterization of detection and diagnostic devices and sensors in vitro. IRCN awards are expected to produce fundamental knowledge to aid future and more informed development of nanotechnology-based cancer interventions.

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: 03 Nov 2022

Workshops on Computational and Analytical Research Methods (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 complement and/or enhance the training of a workforce to meet the

nation's biomedical, behavioral and clinical research needs. To accomplish the stated overarching goal, this FOA will support creative educational activities with a primary focus on courses for skills development. Activities may include short-term workshops or seminars for undergraduate, graduate/medical students, postdoctorates, medical residents, and faculty that will emphasize computational and analytical research methods. Particular topics of interest include computational modeling, biostatistics, machine learning, artificial intelligence, and enhanced rigor and reproducibility in big data analyses.

Funder: National Institutes of Health (NIH)

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

Amount: \$200,000/yr for 2 years

Deadline: 10 Nov 2022

Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research (R21 Clinical Trial Not Allowed)

Purpose: This Funding Opportunity Announcement (FOA) is a continuation of an NCI program to enhance the diversity of the pool of the cancer research workforce by recruiting and supporting eligible New Investigators and Early Stage Investigators from diverse backgrounds, including from groups that have been shown to be nationally underrepresented in the biomedical, behavioral, clinical and social sciences. This FOA will fund investigators to develop a larger research project grant application.

Funder: National Institutes of Health (NIH)

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

Amount: \$275,000/yr for 2 years

Deadline: 17 Nov 2022

Development of Innovative Informatics Methods and Algorithms for Cancer Research and Management (R21 Clinical Trial Optional)

Purpose: The purpose of this Funding Opportunity Announcement (FOA) is to invite exploratory/developmental research grant applications (R21) for innovative informatics methods and algorithms to improve the acquisition, analysis, visualization, or interpretation of data across the cancer research continuum including cancer biology, cancer

BCCC-CURE Funding Opportunities / July 19, 2022

treatment and diagnosis, early cancer detection, risk assessment and prevention, cancer control and epidemiology, and/or cancer health disparities. As a component of the NCI's Informatics Technology for Cancer Research (ITCR) Program, the emphasis of this FOA is on supporting the development of novel informatics capabilities that involve a high degree of innovation that have the potential to accelerate or enhance research. To be successful, there must be a clear rationale for how the proposed informatics method or algorithm is novel and how it will benefit the cancer research field. Projects with a significant level of data generation and/or data analysis will not be considered responsive to this funding opportunity. This initiative is also available through the Research Project – Cooperative Agreements ([U01](#)) grant mechanism.

Funder: National Institutes of Health (NIH)

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

Amount: \$300,000/yr for 3 years

Deadline: 17 Nov 2022

[Toward Translation of Nanotechnology Cancer Interventions \(TTNCI\) \(R01 Clinical Trial Not Allowed\)](#)

Purpose: This Funding Opportunity Announcement (FOA) is designed to enable the translation of nanotechnology-based cancer interventions relying on nanoparticle formulations and/or nano-devices. The TTNCI initiative encourages applications for advanced pre-clinical research, supporting translation of nanotechnology-based cancer diagnostics and therapeutics. TTNCI awards are expected to mature experimental nanomedicines designed for highly relevant cancer clinical objectives with a strong potential to improve cancer treatment effectiveness. It is expected that improvement of treatment effectiveness will occur due to the combination of nanoparticle/nano-device structural design and/or therapeutic/diagnostic cargo which is delivered. TTNCI awards are expected to enable further development of proposed nanotechnology-based interventions to the stage in which they could continue on a developmental path towards the NCI Experimental Therapeutics (NExT) and other NCI translational programs.

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: 17 Nov 2022

PRE-/POSTDOCTORAL OPPORTUNITIES

[IRACDA NY-CAPS](#)

Purpose: IRACDA NY-CAPS (New York Consortium for the Advancement of Postdoctoral Scholars) is a funded fellowship program for postdoctoral scholars in the biological sciences. Scholars advance their teaching skills and research experience during a 3-year mentored fellowship at Stony Brook University and at minority-serving NY-CAPS Partner Institutions: CUNY Brooklyn College, SUNY College at Old Westbury and Suffolk County Community College. The purpose of the NIH IRACDA program is to develop a diverse group of highly trained biomedical and behavioral scientists to address the nation's biomedical, behavioral and clinical research needs.

Funder: Stony Brook University

Applicant: Early Career and Emerging in Field

Deadline: 31 Jul 2022

[NIH Director's Early Independence Awards \(DP5 Clinical Trial Optional\)](#)

Purpose: The [NIH Director's Early Independence Award](#) supports exceptional junior investigators who wish to pursue independent research soon after completion of their terminal doctoral degree or post-graduate clinical training, thereby forgoing the traditional post-doctoral training period and accelerating their entry into an independent research career. 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.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field

Amount: \$250,000/yr for 5 years (+Facility & Admin costs)

Deadline: 02 Sep 2022

BCCC-CURE Funding Opportunities / July 19, 2022

National Institute of General Medical Sciences Predoctoral Institutional Research Training Grant (T32 - Clinical Trial Not Allowed)

Purpose: The goal of the National Institute of General Medical Sciences (NIGMS) Ruth L. Kirschstein National Research Service Award (NRSA) Predoctoral Institutional Research Training Grant (T32) program is to develop a diverse pool of well-trained scientists available to address the Nation's biomedical research agenda. Specifically, this funding opportunity announcement (FOA) provides support to eligible, domestic institutions to develop and implement effective, evidence-informed approaches to biomedical graduate training and mentoring that will keep pace with the rapid evolution of the biomedical research enterprise. NIGMS expects that the proposed research training programs will incorporate didactic, research, and career development elements to prepare trainees for careers that will have a significant impact on the health-related research needs of the Nation.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field

Amount: varies to reflect the needs of the project

Application Deadline: 25 Sep 2022

NIH Pathway to Independence Award (Parent K99/R00 Independent Clinical Trial Not Allowed)

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.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field

Amount: varies to reflect the needs of the project

Deadline: 12 Oct 2022

The NCI Transition Career Development Award (K22 - Independent Clinical Trial Not Allowed)

Purpose: This Funding Opportunity Announcement (FOA) represents the

continuation of an NCI program to facilitate the transition of investigators in mentored, non-independent cancer research positions to independent faculty cancer research positions.

This goal is achieved by providing protected time through salary and research support for the initial 3 years of the first independent tenure-track faculty position, or its equivalent, beginning at the time when the candidate starts a tenure-track faculty position.

Funder: National Institutes of Health (NIH)

Applicant: Early Career and Emerging in Field

Amount: varies to reflect the needs of the project

Deadline: 12 Oct 2022

UPCOMING EVENTS

July 28, 2022 • 12:00 - 1:00 PM

NCI Imaging Data Commons, Part of the Cancer Research Data Commons

In this upcoming Cancer MoonshotSM seminar, Dr. Andrey Fedorov will present the Imaging Data Commons (IDC), a repository within the NCI Cancer Research Data Commons (CRDC) that contains publicly available imaging data and viewers. This webinar presentation aligns with the Cancer Moonshot Blue Ribbon Panel Report's recommendation of "Building a National Ecosystem" for sharing and analyzing cancer data so that researchers, clinicians, and patients can contribute data, thereby facilitating efficient data analysis. *Training presented by the NIH Center for Biomedical Informatics and Information Technology.*

[Link to register](#)

August 11, 2022 • 1:30 - 3:00 PM

Understanding the New NIH Data Management and Sharing (DMS) Policy

The NIH Office of Science Policy (OSP) and the Office of Extramural Research (OER) invite you to join them for an engaging and interactive webinar focused on the new DMS policy which goes into effect on January 25, 2023. In this first webinar of the series, you will learn about DMS policy expectations, the applicability of the policy, how to prepare a Data Management and Sharing Plan, and considerations for sharing data responsibly. *Training presented by the NIH Office of the Director.*

[Link to register](#)

BCCC-CURE Funding Opportunities / July 19, 2022

August 31, 2022 • 12:00 - 1:00 PM

Diving Deeper into the New NIH Data Management and Sharing Policy

Machine learning has become a hot topic in many areas of research and may have utility for answering many novel questions in epidemiology. The purpose of this webinar is to provide an overview of the salient concepts surrounding supervised machine learning methods and their application to epidemiologic problems. *Training presented by the NIH 'Methods: Mind the Gap' Webinar Series.*

[Link to register](#)

September 22, 2022 • 1:30 - 3:00 PM

Diving Deeper into the New NIH Data Management and Sharing Policy

The NIH Office of Science Policy (OSP) and the Office of Extramural Research (OER) invite you to join them for an engaging and interactive webinar focused on the new DMS policy which goes into effect on January 25, 2023. In this second webinar of the series, we will expand upon the information presented in the first webinar and dive deeper into topics including privacy protections for data from human participants and justifiable limitations on sharing data. *Training presented by the NIH Office of the Director.*

[Link to register](#)