NIH NOTICES

Extension of Certain Flexibilities for Prospective Basic Experimental Studies With Human Participants (NOT-OD-19-126)
National Institutes of Health

Changes to NIH Requirements Regarding Proposed Human Fetal Tissue Research (NOT-OD-19-128)
National Institutes of Health

Notice of Clarification to PAR-18-841, "Oncology Co-Clinical Imaging Research Resources to Encourage Consensus on Quantitative Imaging Methods and Precision Medicine (U24 - Clinical Trial Optional)" (NOT-CA-19-064)
National Cancer Institute

Notice of Intent to Publish the Reissuance of RFA-CA-18-026, "Improving the Reach and Quality of Cancer Care in Rural Populations (R01 Clinical Trial Required)" (NOT-CA-19-063)
National Cancer Institute

National Cancer Institute

Correction to RFA-CA-19-034 "Feasibility and Planning Studies for Development of Specialized Programs of Research Excellence (SPOREs) to Investigate Cancer Health Disparities". (NOT-CA-19-061)
National Cancer Institute

Notice of Change to the Award Budget for PAR-18-303 Innovative Molecular Analysis Technology Development for Cancer Research and Clinical Care (R43/R44 Clinical Trial Not Allowed). (NOT-CA-19-062)
National Cancer Institute

Reminders of NIH Policies on Other Support and on Policies related to Financial Conflicts of Interest and Foreign Components (NOT-OD-19-114)
National Institutes of Health

Pre-Application Webinars for Participant Engagement and Cancer Genome Sequencing (PE-CGS): Funding Opportunities (RFA-CA-19-045, RFA-CA-19-046) (NOT-CA-19-065)
National Cancer Institute

AUGUST DEADLINES

Foundation and Other Sources

Oncology Nursing Society Foundation Research Grant Awards
Letter of Intent Deadline: 8/15/2019
Full Application Deadline: 9/15/2019
http://www.onsfoundation.org/funding-for-nurses/research/research-grant

About: These grants support oncology nursing research. Research projects may include pilot or feasibility studies or the development of a new aspect of a program of research. Funding preference is given to research that addresses the ONS Research Priorities and/or the ONS Research Agenda.

Period of Support: 2 years
Funds/Direct Costs: $25,000 total costs for 2 years
Program Contact: ONS Foundation Research
(866) 257-4667
info@onfgivesback.org
**Elsa U. Pardee Foundation**

**Cancer Research Grants**

**Deadline:** 08/31/2019

https://pardeefoundation.org/how-to-apply/

**About:** The Elsa U. Pardee Foundation funds research to investigators in United States non-profit institutions proposing research directed toward identifying new treatments or cures for cancer. The Foundation particularly encourages grant applications for a one year period which will allow establishment of capabilities of new cancer researchers, or new cancer approaches by established cancer researchers. It is anticipated that this early stage funding by the Foundation may lead to subsequent and expanded support using government agency funding. Project relevance to cancer detection, treatment, or cure should be clearly identified.

**Period of Support:** 1 year

**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Program Contact:** Elsa U. Pardee Foundation  
(989) 832-3691

---

**Hirshberg Foundation for Pancreatic Cancer Research**

**Seed Grant Program**

**Deadline:** 8/15/2019

http://pancreatic.org/research/seed-grant-program/

**About:** The Hirshberg Foundation for Pancreatic Cancer Research Seed Grant Award Program has the following goals: 1) to provide start-up funding for basic scientists and clinicians who intend to test innovative ideas for improving diagnosis and to develop new treatment modalities for pancreatic cancer. 2) to obtain preliminary data required for additional funding from other agencies for pancreatic cancer research. 3) to impact on the understanding of pancreatic cancer cell biology, biochemistry, physiology, morphology and response to therapy. 4) to establish collaborations within the field for mutual projects that can be considered for further funding

**Period of Support:** 1 year. Programs can be extended for one more year upon a competitive renewal.

**Funds/Direct Costs:** $40,000 direct costs per year

**Program Contact:** Hirshberg Foundation  
(310) 473-5121  
info@pancreatic.org

---

**American Gastroenterological Association**

**Funderburg Research Award in Gastric Cancer**

**Deadline:** 8/7/2019


**About:** The objective of this AGA Research Foundation award is to support an established investigator in the field of gastric biology whose research will enhance the fundamental understanding of gastric cancer pathobiology to ultimately prevent or develop a cure for the disease. Applications that do not have a gastric biology focus and are not responsive to this announcement will not be submitted for review.

**Period of Support:** 2 years

**Funds/Direct Costs:** $50,000 direct costs per year

**Program Contact:** AGA Awards Program  
(301) 222-4012  
awards@gastro.org

---

**Arnold & Mabel Beckman Foundation**

**Young Investigator Program**

**Deadline:** 8/9/2019

http://www.beckman-foundation.org/programs/beckman-young-investigators-program-information

**About:** The Beckman Young Investigator (BYI) Program provides research support to the most promising young faculty members in the early stages of their academic careers in the chemical and life sciences, particularly to foster the invention of methods, instruments and materials that will open up new avenues of research in science.

**Period of Support:** 4 years

**Funds/Direct Costs:** In the range of $600,000 over the term of the project

**Program Contact:** Nicole Patras  
(949) 721-2245  
BYI@beckman-foundation.org

---

**Meso Foundation**

**Mesothelioma Research Grants**

**Letter of Intent Deadline:** 8/29/2019

**Full Application Deadline:** 1/8/2020

https://www.curemeso.org/research-funding/obtaining-mesothelioma-research-funding/grants-by-the-mesothelioma-applied-research-foundation/

**About:** The Meso Foundation is a nonprofit dedicated to ending the suffering caused by mesothelioma. We are the international collaboration of patients and families, physicians, advocates, and researchers dedicated to eradicating the life-ending and vicious effects of mesothelioma. We believe in a cure for mesothelioma. Eligible projects may relate to benchwork, translational or clinical research that is not presently funded and may be conducted through any not-for-profit academic, medical or research institution. We encourage all levels and degrees of scientists to apply.

**Period of Support:** 2 years

**Funds/Direct Costs:** $50,000 direct costs per year
Program Announcements (PA)

Multiple Institutes, including the National Cancer Institute
Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32)
Deadline: 08/08/2019

About: The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32) is to support research training of highly promising postdoctoral candidates who have the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of the participating NIH Institutes and Centers. The proposed mentored research training must reflect the applicant's dissertation research project and is expected to clearly enhance the individual's potential to develop into a productive, independent research scientist.

Period of Support: Up to 5 years
Funds/Direct Costs: See announcement for details.
Program Contact: Nicole Jones
(240) 276-7156
jonesni@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (Parent F31)
Deadline: 08/08/2019

About: The purpose of this Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research award is to enhance the diversity of the health-related research workforce by supporting the research training of predoctoral students from diverse backgrounds including those from groups that are underrepresented in the biomedical, behavioral, or clinical research workforce. Applications are expected to incorporate exceptional mentorship.

Period of Support: Up to 5 years
Funds/Direct Costs: See announcement for details.
Program Contact: Nicole Jones
(240) 276-7156
jonesni@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31)
Deadline: 08/08/2019

About: The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31) award is to enable promising predoctoral students to obtain individualized, mentored research training from outstanding faculty sponsors while conducting dissertation research in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers. The proposed mentored research training must reflect the applicant's dissertation research project and is expected to clearly enhance the individual's potential to develop into a productive, independent research scientist.

Period of Support: Up to 5 years
Funds/Direct Costs: See announcement for details.
Program Contact: Nicole Jones
(240) 276-7156
jonesni@mail.nih.gov

National Cancer Institute
Utilizing the PLCO Biospecimens Resource to Bridge Gaps in Cancer Etiology and Early Detection Research (U01 Clinical Trial Not Allowed)
Deadline: 08/14/2019

About: This Funding Opportunity Announcement (FOA) encourages the submission of applications that propose to advance research in cancer etiology and early detection biomarkers, utilizing the advantages of the unique biorepository resources of the NCI-sponsored Prostate, Lung, Colorectal, and Ovarian Cancer (PLCO) Screening Trial. The PLCO Biorepository offers high-quality, prospectively collected, serial pre-diagnostic blood samples from the PLCO screened arm participants, and a one-time collection of buccal cells from the control arm participants. Available data associated with the biospecimens includes demographic, diet, lifestyle, smoking, screening results, and clinical data.

Period of Support: Up to 5 years
Funds/Direct Costs: Application budgets are not limited but need to reflect the actual needs of the proposed project.
Program Contact: Claire Zhu
(240) 276-7013
zhucla@mail.nih.gov

National Cancer Institute
Inter-organelle Communication in Cancer (R21)
Deadline: 08/14/2019
https://grants.nih.gov/grants/guide/pa-files/PAR-17-204.html

About: The purpose of this Funding Opportunity Announcement (FOA) is to support research projects that...
examine how inter-organelle communication in cancer cells and/or tumor-associated cells affects cellular function, adaptation, and phenotypic plasticity.

**Period of Support:** Up to 2 years  
**Funds/Direct Costs:** Direct costs are limited to $275,000  
**Program Contact:** Michael Graham Espey  
(240) 276-7619  
SP@nih.gov

---

**Multiple Institutes, including the National Cancer Institute**  
**Lasker Clinical Research Scholars Program (Si2/R00 Clinical Trial Optional)**  
**Deadline:** 8/30/2019  
**About:** The NIH Lasker Clinical Research Scholars Program provides five or more years of full time, funded research in the NIH intramural program for tenure-track level clinical investigators, followed by three years of NIH funds at an extramural medical center/research institute or by continuation in the NIH intramural program. NIH Lasker Scholars may be able to maintain an affiliation with their previous institution during their time at the NIH  
**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Up to $499,000 per year.  
**Program Contact:** William Dahut  
(301) 496-4251  
dahutw@mail.nih.gov

---

**Request for Applications (RFA)**

**National Cancer Institute**  
**Novel Technology Tools to Facilitate Research Using Next Generation Patient-derived Cancer Models (U01 Clinical Trial Not Allowed)**  
**Deadline:** 8/30/2019  
**About:** Through this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) will support the development of technology tools that will facilitate, accelerate, and/or enhance research using advanced human-derived next generation cancer models (NGCMs), such as organoids, conditionally reprogrammed cells, and others. The studies proposed under this FOA must focus entirely on the next generation cancer models developed under the auspices of an international consortium with NCI participation, Human Cancer Models Initiative.  
**Period of Support:** Up to 3 years  
**Funds/Direct Costs:** Up to $700,000 direct costs per year.  
**Program Contact:** Daniela S. Gerhard  
(240) 781-3280  
gerharddd@mail.nih.gov

---

**SEPTEMBER/OCTOBER DEADLINES**

**Foundation and Other Sources**

**Concern Foundation**  
**Conquer Cancer Now Award**  
**Letter of Intent Deadline:** 9/05/2019  
**Full Application Deadline:** 12/05/2019  
https://www.concernfoundation.org/apply-for-grant.html  
**About:** The Conquer Cancer Now Award is a $60,000 grant given to young and innovative cancer researchers focused on cancer genetics, cancer biology and cancer immunology. Priority is given to proposals from independent investigators who have yet to obtain significant funding for their work.  
**Period of Support:** 2 years  
**Funds/Direct Costs:** $60,000 total costs per year  
**Program Contact:** Seunga Yu  
(310) 360-6100  
info@concernfoundation.org

---

**Hope Funds for Cancer Research**  
**Postdoctoral Fellowship Award**  
**Deadline:** 9/18/2019  
http://www.hope-funds.org/grants/eligibility-and-application/  
**About:** Hope Funds for Cancer Research is offering fellowships to postdoctoral scientists who propose to work on highly innovative research projects that challenge the traditional paradigms of understanding the causes, mechanisms, progression, disease markers or risk factors of the most difficult-to-treat cancers, including pancreatic,
lung, liver, sarcomas, esophageal, brain, gastric, bone and ovarian cancers; and rare leukemias, lymphomas and MDS.

The Trustees of the Hope Funds believe that funding research that could lead to breakthroughs in these areas and increase life expectancy in these types of cancers is at the core of its mission.

**Period of Support:** 3 years

**Funds/Direct Costs:** $50,000 (Year 1), $52,000 (Year 2), $54,000 (Year 3) direct costs per year

**Program Contact:** Hope Funds for Cancer Research
(401) 847-3286
grants@hope-funds.org

---

**Lymphoma Research Foundation**

**Clinical Investigator Career Development Award**

**Deadline:** 9/5/2019


**About:** The LRF Clinical Investigator Career Development Award (CDA) Program is designed to support physician investigators at the level of advanced fellow or junior faculty member who will contribute to the development of new lymphoma therapies and diagnostic tools. Eligible investigators must have no greater than five years of experience beyond completion of their fellowship or postdoctoral training (the five-year limit may be non-sequential in cases of pregnancy or illness).

**Period of Support:** 3 years

**Funds/Direct Costs:** $225,000 direct costs over 3 years

**Program Contact:** Whitney Steen
(212) 349-2910
researchgrants@lymphoma.org

---

**Leukemia & Lymphoma Society**

**Blood Cancer Discoveries Grant Program**

**Letter of Intent Deadline:** 9/03/2019

**Full Application Deadline:** 11/04/2019

https://www.lls.org/research/discovery

**About:** The Mark Foundation for Cancer Research (MFCR), The Leukemia & Lymphoma Society (LLS), and The Paul G. Allen Frontiers Group (PAFG) are proud to announce the Blood Cancer Discoveries Grant Program, a new research award program designed to encourage basic research, technological innovation, and informatics pipeline development that can lead to an understanding of blood cancer disease mechanisms, the development of improved methods for detecting and monitoring cancer progression, and the identification of novel therapeutic targets.

**Period of Support:** 3 years

**Funds/Direct Costs:** Up to $250,000 total costs per year

**Program Contact:** LLS
researchprograms@lls.org

---

**American Cancer Society**

**Research Scholar Grants**

**Deadline:** 10/15/2019

https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant/grant-types/research-scholar-grants.html

**About:** The Research Scholar Grant (RSG) supports investigator-initiated projects across the cancer research continuum. Independent investigators in the first 6 years of an independent research career of faculty appointment are eligible to apply. Eligibility is extended for 8 years for clinician scientists who remain active in clinical care.

**Period of Support:** Up to 4 years

**Funds/Direct Costs:** Up to $165,000 direct costs per year

**Program Contact:** ACS
(404) 329-7558
grants@cancer.org

---

**American Lung Association**

**Lung Cancer Discovery Award**

**Letter of Intent Deadline:** 10/03/2019

**Full Application Deadline:** 1/23/2020


**About:** The objective of the Lung Cancer Discovery Award is to support independent investigators conducting clinical, laboratory, epidemiological or any groundbreaking project aimed at revolutionizing our current understanding of lung cancer and improving diagnostic, clinical and treatment methods

**Period of Support:** 2 years

**Funds/Direct Costs:** $100,000 per year

**Program Contact:** ALA
research@lung.org

---

**Department of Defense**

**Kidney Cancer Research Program- Translational Research Partnership Award**

**Deadline:** 10/1/2019


**About:** The FY19 KCRP Translational Research Partnership Award supports partnerships between clinicians and research scientists that will accelerate the movement of promising ideas in kidney cancer toward clinical applications. This award supports the development of translational research collaborations between two independent, faculty-level investigators to address a central problem or question in kidney cancer in a manner that would be less readily achievable through separate efforts.

**Period of Support:** Up to 3 years

**Funds/Direct Costs:** The anticipated combined direct costs budgeted for the entire period of performance will not exceed $600,000.
Program Announcements (PA)

Multiple Institutes, including the National Cancer Institute
Secondary Analysis and Integration of Existing Data to
Elucidate the Genetic Architecture of Cancer Risk and
Related Outcomes (R01)
Deadline: 10/05/2019

About: This funding opportunity announcement (FOA) encourages applications that propose to conduct secondary data analysis and integration of existing datasets and database resources, with the ultimate aim to elucidate the genetic architecture of cancer risk and related outcomes. The goal of this initiative is to address key scientific questions relevant to cancer epidemiology by supporting the analysis of existing genetic or genomic datasets, possibly in combination with environmental, outcomes, behavioral, lifestyle, and molecular profiles data.

Period of Support: Up to 5 years
Funds/Direct Costs: The budget is limited to $350,000 Direct Costs per year
Program Contact: Carol Perry
(240) 276-6282
carol.perry@nih.gov

National Cancer Institute
Leveraging Population-based Cancer Registry Data to
Study Health Disparities (R21)
Deadline: 10/16/2019

About: The goal of this Funding Opportunity Announcement (FOA) is to efficiently use the existing cancer registry infrastructure by augmenting data already collected with additional information needed to understand health disparities among people diagnosed with cancer.

Period of Support: Up to 2 years
Funds/Direct Costs: The combined budget for direct costs for the two-year project period may not exceed $275,000
Program Contact: Kathleen Cronin
(240) 276-6836
cronink@mail.nih.gov

National Cancer Institute
Integration of Individual Residential Histories into Cancer Research (R01)
Deadline: 10/5/2019

About: The purpose of this Funding Opportunity Announcement (FOA) is to support substantive investigation of the role of individual residential histories in cancer etiology and outcomes, and to encourage the development of complex analytical strategies in support of substantive investigation.

Period of Support: Up to 5 years
Funds/Direct Costs: Application budgets are not limited but need to reflect the actual needs of the proposed project.
Program Contact: Zaria Tatalovich
(240) 276-6976
tatalovichzp@mail.nih.gov

National Cancer Institute
The Interplay of Cell Death Pathways in Cancer Cell Survival and Resistance to Therapy (R21)
Deadline: 10/16/2019

About: The purpose of this funding opportunity announcement (FOA) is to stimulate research in the interplay between cell death pathways in naïve and drug resistant cancers.

Period of Support: Up to 2 years
Funds/Direct Costs: $275,000 direct costs for entire period of support
Program Contact: Konstantin Salnikow
(240) 276-6230
salnikok@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Biology of Lung, and Head and Neck Preneoplasias (R21 - Clinical Trial Not Allowed)
Deadline: 10/16/2019

About: This Funding Opportunity Announcement (FOA) seeks applications investigating mechanistic and biological aspects of preneoplasia leading to lung, and head and neck (HN) cancers. Despite improved therapies and a deeper molecular understanding of lung and HN cancers, these tumors remain a major health problem in the United States and globally.

Period of Support: Up to 2 years
Funds/Direct Costs: Application budgets are limited to $275,000 in direct costs per year
Program Contact: Long Nguyen
(240) 276-5807
long.nguyen@nih.gov

National Cancer Institute
Multilevel Interventions in Cancer Care Delivery: Follow-
**up to Abnormal Screening Tests (R01 Clinical Trial Optional)**

**Deadline:** 10/05/2019  

**About:** This Funding Opportunity Announcement (FOA) encourages applications that develop and test multilevel interventions to improve follow-up to abnormal screening tests for breast, cervical, colorectal, or lung cancers. Improving follow-up to abnormal screening tests is dependent on factors at the patient, provider, clinical team, clinic, healthcare institution, or community setting levels. Appropriate applications for this FOA should propose to intervene at two or more levels, and measure outcomes at three or more levels, while accounting for interactions that occur between and across levels.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Program Contact:** Erica S. Breslau  
(240) 276-6773  
breslaue@mail.nih.gov

---

**Multiple Institutes, including the National Cancer Institute**

**Reducing Overscreening for Breast, Cervical, and Colorectal Cancers among Older Adults (R01)**

**Deadline:** 10/5/2019  

**About:** The purpose of this Funding Opportunity Announcement (FOA) is to promote research on interventions, based in healthcare settings, designed to reduce overscreening for breast, cervical, or colorectal cancers among average-risk older adults.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Program Contact:** Erica S. Breslau  
(240) 276-6773  
breslaue@mail.nih.gov

---

**National Cancer Institute**

**Oral Anticancer Agents: Utilization, Adherence, and Health Care Delivery (R21 Clinical Trial Optional)**

**Deadline:** 10/16/2019  

**About:** The purpose of this funding opportunity announcement (FOA) is to encourage exploratory/developmental research grant applications to: (1) assess and describe the current state of oral anticancer medication utilization, delivery, and adherence; (2) identify structural, systemic, and psychosocial barriers to adherence; and (3) develop models and strategies to improve safe and effective delivery of these agents so that clinical outcomes are optimized.

**Period of Support:** Up to 2 years  
**Funds/Direct Costs:** The combined budget for direct costs for the two-year project period may not exceed $275,000.

**Program Contact:** Wendy Nelson  
(240) 276-6971  
nelsonw@mail.nih.gov

---

**Multiple Institutes, including the National Cancer Institute**

**Reducing Overscreening for Breast, Cervical, and Colorectal Cancers among Older Adults (R21 Clinical Trial Optional)**

**Deadline:** 10/16/2019  

**About:** The purpose of this Funding Opportunity Announcement (FOA) is to promote research on interventions, based in healthcare settings, designed to reduce overscreening for breast, cervical, or colorectal cancers among average-risk older adults.

**Period of Support:** Up to 2 years  
**Funds/Direct Costs:** The combined budget for direct costs for the two-year project period may not exceed $275,000.

**Program Contact:** Erica S. Breslau  
(240) 276-6773  
breslaue@mail.nih.gov

---

**Multiple Institutes, including the National Cancer Institute**

**Palliative Care Needs of Individuals with Rare Advanced Diseases and Their Family Caregivers (R21 Clinical Trial Optional)**

**Deadline:** 10/5/2019  

**About:** This funding opportunity announcement (FOA) seeks to expand knowledge and increase the evidence base for palliative care (PC) in advanced rare diseases, including rare cancers, and to improve physical and psychosocial well-being and quality of life among seriously ill individuals and their family caregivers.

**Period of Support:** Up to 2 years  
**Funds/Direct Costs:** The combined budget for direct costs for the two-year project period may not exceed $275,000.

**Program Contact:** Michelle Mollica  
(240) 276-7621  
michelle.mollica@nih.gov

---

**Multiple Institutes, including the National Cancer Institute**

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

**Deadline:** 9/25/2019  

**About:** This FOA supports a limited number of parent institutional research training grants (T32) to sponsoring institutions to train a diverse group of postdoctoral trainees that will serve as the core of the research training programs. The application provides the overall framework for the institutional training program, and consists of the documents submitted for the institutional training grant. The trainees are recruited from a variety of medical, health, and research backgrounds.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** The combined budget for direct costs for the five-year project period may not exceed $1,500,000.

**Program Contact:** Erica S. Breslau  
(240) 276-6773  
breslaue@mail.nih.gov
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.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Susan E. Lim  
(240) 276-5472  
lims@mail.nih.gov

**Multiple Institutes, including the National Cancer Institute**  
**Advancing the Science of Geriatric Palliative Care (R21 - Clinical Trial Optional)**  
**Deadline:** 10/16/2019  
**About:** This Funding Opportunity Announcement (FOA) encourages exploratory or developmental research grant applications to develop new tools, methods, and models focused on palliative care in geriatric populations.  
**Period of Support:** Up to 2 years  
**Funds/Direct Costs:** The combined budget for direct costs for the two-year project period may not exceed $275,000.  
**Program Contact:** Ann M. O’Mara  
(240) 276-7050  
omaraa@mail.nih.gov

**National Cancer Institute**  
**End-of-Life and Palliative Care Health Literacy: Improving Outcomes in Serious, Advanced Illness (R01 Clinical Trial Optional)**  
**Deadline:** 10/5/2019  
**About:** The purpose of this Funding Opportunity Announcement (FOA) is to: identify new, information technology (IT)-enabled delivery models that support systematic screening and treatment of depression in cancer patients; test the feasibility of implementing these new delivery models in a variety of oncology practice settings, especially those serving under-served populations; test the effectiveness of these new delivery models, and their components, in a variety of oncology practice settings, especially those serving under-served populations; and evaluate the sustainability and scalability of these new delivery models.  
**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Gurvaneet S. Randhawa  
(240) 276-6940  
gurvaneet.randhawa@nih.gov

**National Cancer Institute**  
**Early-life Factors and Cancer Development Later in Life (R01)**  
**Deadline:** 10/5/2019  
**About:** The purpose of this Funding Opportunity Announcement (FOA) is to stimulate research focused on the role of early-life factors (maternal-paternal, in utero, birth and infancy, puberty, adolescence, and young adult years) in cancer development later in life.  
**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Somdat Mahabir  
(240) 276-6941  
mahabir@mail.nih.gov

**National Cancer Institute**  
**Early-life Factors and Cancer Development Later in Life (R03)**  
**Deadline:** 10/16/2019  
**About:** The purpose of this Funding Opportunity...
Announcement (FOA) is to stimulate research focused on the role of early-life factors (maternal-paternal, in utero, birth and infancy, puberty, adolescence, and young adult years) in cancer development later in life.

**Period of Support:** Up to 2 years  
**Funds/Direct Costs:** $100,000 direct costs per year  
**Program Contact:** Somdat Mahabir  
(240) 276-6941  
mahabir@mail.nih.gov

---

**National Cancer Institute**  
**Integration of Imaging and Fluid-Based Tumor Monitoring in Cancer Therapy (R01 Clinical Trial Optional)**  
**Deadline:** 10/05/2019  
**About:** Through this funding opportunity announcement (FOA), the National Cancer Institute (NCI) seeks research project (R01) grant applications describing projects that integrate imaging and fluid-based tumor monitoring (liquid biopsy) assays during cancer therapy in patients to determine the optimal use of those modalities in the characterization of therapy response and/or emergence of resistance.  
**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are limited to $499,999 (maximum) in direct costs per year  
**Program Contact:** Anne Menkens  
(240) 276-6510  
menkensa@mail.nih.gov

---

**National Cancer Institute**  
**Epidemiologic Research on Emerging Risk Factors and Liver Cancer Susceptibility (R01 - Clinical Trial Not Allowed)**  
**Deadline:** 10/5/2019  
**About:** 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.  
**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Tram Kim Lam  
(240) 276-6967  
Tram.Lam@nih.gov

---

**Multiple Institutes, including the National Cancer Institute**  
**Exploratory/Developmental Clinical Research Grants in Obesity (R21 Clinical Trial Optional)**  
**Deadline:** 10/16/2019  
**About:** This Funding Opportunity Announcement (FOA) encourages research grant applications from institutions/organizations that propose to conduct exploratory/developmental clinical studies that will accelerate the development of effective interventions for prevention or treatment of overweight or obesity in adults and/or children.  
**Period of Support:** Up to 2 years  
**Funds/Direct Costs:** Application budgets are limited to $275,000 in direct costs per year.  
**Program Contact:** Tanya Agurs-Collins  
(240) 276-6956  
collinsta@mail.nih.gov

---

**Multiple Institutes, including the National Cancer Institute**  
**Improving Patient Adherence to Treatment and Prevention Regimens to Promote Health (R01 Clinical Trial Optional)**  
**Deadline:** 10/05/2019  
**About:** This FOA calls for research grant applications that address patient adherence to treatment and prevention regimens to promote health outcomes. Applications may address healthcare regimen initiation, implementation, and/or persistence by patients.  
**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Wendy Nelson  
(240) 276-6971  
nelsonw@mail.nih.gov

---

**Multiple Institutes, including the National Cancer Institute**  
**Age-related Microbiota Changes and their Implications in Chronic Disease Prevention, Treatment and Progression (R21 Clinical Trial Optional)**  
**Deadline:** 10/16/2019  
**About:** The overall purpose of this funding opportunity announcement (FOA) is to assess the role of the microbiome in health and disease during aging. This initiative will support research projects designed to evaluate changes in the microbiota during lifetime and its influence in health and disease status in the elderly, including those from racial/ethnic minority and underserved populations and understand the underlying
mechanisms of microbiota interactions in aged subjects as relate to health and disease.

**Period of Support:** Up to 2 years  
**Funds/Direct Costs:** The combined budget for direct costs for the two-year project period may not exceed $275,000.

**Program Contact:** Kaye Miles  
(301) 827-4886  
kaye.miles@nih.gov

---

**National Cancer Institute**  
**Administrative Supplements to Support Cancer Disparity Collaborative Research**  
**Deadline:** 09/10/2019  
**About:** The purpose of this trans-NCI Funding Opportunity Announcement (FOA) is to promote new cancer disparities research among investigators who do not normally conduct it and to encourage the partnership of experienced cancer research investigators with cancer disparities-focused researchers.

**Period of Support:** Up to 2 years  
**Funds/Direct Costs:** $150,000 direct costs per year  
**Program Contact:** Liz Perruccio  
(240) 276-6178  
liz.perruccio@nih.gov

---

**Multiple Institutes, including the National Cancer Institute**  
**Advancing Translational and Clinical Probiotic/Prebiotic and Human Microbiome Research (R01)**  
**Deadline:** 10/5/2019  
**About:** The purpose of this funding opportunity announcement (FOA) is twofold: 1) to accelerate translational and clinical Phase I and II a/b safety and efficacy studies for substantiating measurable functional benefits of probiotic/prebiotic components and/or their combinations; and; 2) to understand the underlying mechanisms of their action(s), and variability in responses to these interventions.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Gabriela Riscuta  
(240) 276-7118  
gabriela.riscuta@nih.gov

---

**Multiple Institutes, including the National Cancer Institute**  
**Biobehavioral Basis of Chronic Pain (R21 Clinical Trial Optional)**  
**Deadline:** 10/16/2019  
**About:** The purpose of the Funding Opportunity Announcement is to encourage grant applications from the scientific community on the biobehavioral basis of chronic pain. The focus encompasses the individual phenotype, genotype, and other omic-type assessments and the associated sensory and emotional components that underpin the individual’s chronic pain experience.

**Period of Support:** 2 years  
**Funds/Direct Costs:** $275,000 direct costs for entire period of support  
**Program Contact:** Sean Hine  
(240) 276-6291  
hines@mail.nih.gov

---

**Multiple Institutes, including the National Cancer Institute**  
**Biobehavioral Basis of Chronic Pain (R01 Clinical Trial Optional)**  
**Deadline:** 10/5/2019  
**About:** The purpose of the Funding Opportunity Announcement is to encourage grant applications from the scientific community on the biobehavioral basis of chronic pain. The focus encompasses the individual phenotype, genotype, and other omic-type assessments and the associated sensory and emotional components that underpin the individual’s chronic pain experience.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Ann O’Mara  
(240) 276-7050

---

**Multiple Institutes, including the National Cancer Institute**  
**Increasing Uptake of Evidence-Based Screening in Diverse Adult Populations**  
**Deadline:** 10/5/2019  
https://grants.nih.gov/grants/guide/pa-files/PA-18-
Multiple Institutes, including the National Cancer Institute

Applying a Biopsychosocial Perspective to Self-Management of Chronic Pain (R01)

**Deadline:** 10/5/2019

**About:** The purpose of the Funding Opportunity announcement is to encourage grant applications from the scientific community on applying a biopsychosocial perspective to self-management of chronic pain.

**Period of Support:** Up to 5 years

**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Program Contact:** Ann O’Mara
(240) 276-7050
omaraa@mail.nih.gov

Multiple Institutes, including the National Cancer Institute

Research Project Grant (Parent R01)

**Deadline:** 10/5/2019

**About:** 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.

**Period of Support:** Up to 5 years

**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Program Contact:** Crystal Wolfrey
(240) 276-6277
wolfreyc@mail.nih.gov

National Cancer Institute

Improving Outcomes in Cancer Treatment-Related Cardiotoxicity (R21)

**Deadline:** 10/16/2019

**About:** This Funding Opportunity Announcement (FOA) encourages collaborative applications that will contribute to the identification and characterization of patients at risk of developing cancer treatment-related cardiotoxicity. The primary intent is to mitigate cardiovascular dysfunction while optimizing cancer outcomes.

**Period of Support:** Up to 2 years

**Funds/Direct Costs:** The combined budget for direct costs for the entire project period may not exceed $275,000.

**Program Contact:** Nonniekaye Shelburne
(240) 276-6897
nshelburne@mail.nih.gov
About: This purpose of this Funding Opportunity Announcement (FOA) is to provide a mechanism of support to research organizations interested in clinically translating already optimized quantitative imaging software tools capable of measuring or predicting the response of cancer to clinical therapies, or in translating imaging tools for planning and validating radiation therapy treatment strategies in clinical trials.

**Period of Support:** Up to 5 years

**Funds/Direct Costs:** Application budgets are limited to $500,000 in direct costs per year

**Program Contact:** Robert J. Nordstrom  
(240) 276-5934  
nordstrr@mail.nih.gov

---

**National Cancer Institute**

**Leveraging Population-based Cancer Registry Data to Study Health Disparities (R01)**

**Deadline:** 10/5/2019


About: The goal of this Funding Opportunity Announcement (FOA) is to efficiently use the existing cancer registry infrastructure by augmenting data already collected with additional information needed to understand health disparities among people diagnosed with cancer. Specifically, this FOA will support the study of factors influencing observed health disparities within the framework of population-based cancer registries by the inclusion of data not routinely collected by or linked to the registries.

**Period of Support:** Up to 5 years

**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Program Contact:** Kathleen Cronin  
(240) 276-6836  
cronink@mail.nih.gov

---

**National Cancer Institute**

**Discovery of Small Molecule Immunomodulators for Cancer Therapy (R01)**

**Deadline:** 10/5/2019


About: The purpose of this funding opportunity announcement (FOA) is to promote the discovery of novel small molecules that may enhance the ability of the immune system to selectively recognize and attack cancer cells. This FOA encourages the design of research projects that utilize the following phases of discovery research: 1) assay development specifically designed for immuno-oncology targets with the intent to screen for novel small molecule compounds that show potential as either probes or drugs, or as pre-therapeutic leads; 2) screen implementation for immunomodulatory targets to identify initial screening hits; 3) hit validation through secondary orthogonal and counter screening assays, and hit prioritization; and 4) hit-to-lead optimization.

**Period of Support:** Up to 4 years

**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Program Contact:** Sundar Venkatachalam  
(240) 276-7304  
sundarv@nih.gov

---

**Multiple Institutes, including the National Cancer Institute**

**Assay development and screening for discovery of chemical probes or therapeutic agents (R01)**

**Deadline:** 10/5/2019


About: Through this funding opportunity announcement (FOA), NIH wishes to stimulate research in discovery and development of novel, small molecules for their potential use in studying disease treatment relevant to the missions of the participating NIH Institutes; and to generate new insight into the biology of relevant diseases and processes that have yet to be validated as important drug targets.

**Period of Support:** Up to 4 years

**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Program Contact:** Suzanne Forry  
(240) 276-5922  
forrys@mail.nih.gov

---

**National Cancer Institute**

**Early Phase Clinical Trials in Imaging and Image-Guided Interventions (R01 Clinical Trial Required)**

**Deadline:** 10/11/2019


About: This Funding Opportunity Announcement (FOA) is intended to support clinical trials conducting preliminary evaluation of the safety and efficacy of imaging agents, as well as an assessment of imaging systems, image processing, image-guided planning and/or execution therapy, contrast kinetic modeling, 3-D reconstruction and other quantitative tools.

**Period of Support:** Up to 3 years

**Funds/Direct Costs:** Application budgets are limited to $500,000 in direct costs per year.

**Program Contact:** Lori A. Henderson  
(240) 276-5930  
hendersonlori@mail.nih.gov
National Cancer Institute
NCI Small Grants Program for Cancer Research (NCI Omnibus R03 Clinical Trial Optional)
Deadline: 10/25/2019
About: This funding opportunity announcement (FOA) supports small research projects on cancer that can be carried out in a short period of time with limited resources. The R03 grant mechanism 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.
Period of Support: Up to 2 years
Funds/Direct Costs: A budget for direct costs of up to $50,000 per year may be requested.
Program Contact: Crystal Wolfrey
(240) 276-6277
wolfreyc@mail.nih.gov

National Cancer Institute
National Cancer Institute Program Project Applications (P01 Clinical Trial Optional)
Deadline: 09/25/2019
About: 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.
Period of Support: Up to 5 years
Funds/Direct Costs: Application budgets are not limited but need to reflect the actual needs of the proposed project.
Program Contact: Referral Officer
(240) 276-6390
ncirefof@dea.nci.nih.gov

National Cancer Institute
Assay Validation of High Quality Markers for Clinical Studies in Cancer (UH2/UH3 Clinical Trial Not Allowed)
Deadline: 10/8/2019
About: The purpose of this Funding Opportunity Announcement (FOA) is to support the validation of molecular/cellular/imaging markers and assays for cancer detection, diagnosis, prognosis, monitoring, and prediction of response or resistance to treatment, as well as markers for cancer prevention and control.
Period of Support: Up to 3 years
Funds/Direct Costs: Applicants may request up to $275,000 direct costs for the entire UH2 phase with no more than $200,000 requested in any one year and up to $250,000 direct costs for the UH3 phase per year.
Program Contact: Tracy G. Lively
(240) 276-5944
livelyt@mail.nih.gov

National Cancer Institute
NCI Transition Career Development Award to Promote Diversity (K22 No Independent Clinical Trials)
Deadline: 10/12/2019
About: The purpose of the NCI Transition Career Development Award to Promote Diversity is to assist postdoctoral fellows or individuals in equivalent positions to transition to positions of assistant professor or equivalent and initiate a successful biomedical career as an independent research scientist.
Period of Support: Up to 3 years
Funds/Direct Costs: Award budgets are composed of salary and other program-related expenses, as described in announcement.
Program Contact: Abigail Soyombo
(240) 276-6553
Abigail.Soyombo@nih.gov

National Cancer Institute
Cancer Research Education Grants Program - Curriculum or Methods Development (R25)
Deadline: 09/25/2019
About: The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NCI 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. This FOA will support creative educational activities with a primary focus on Curriculum or Methods Development.
Period of Support: Up to 2 years
Funds/Direct Costs: $150,000 direct costs per year
Program Contact: Jeannette Korczak
(240) 276-5630
korczajk@mail.nih.gov

National Cancer Institute
Cancer Research Education Grants Program - Courses for Skills Development (R25)
Deadline: 09/25/2019
About: The purpose of the NCI Transition Career Development Award to Promote Diversity is to assist postdoctoral fellows or individuals in equivalent positions to transition to positions of assistant professor or equivalent and initiate a successful biomedical career as an independent research scientist.
Period of Support: Up to 3 years
Funds/Direct Costs: Award budgets are composed of salary and other program-related expenses, as described in announcement.
Program Contact: Abigail Soyombo
(240) 276-6553
Abigail.Soyombo@nih.gov

MCC Research Administration August 2019 Funding Newsletter 13 of 22
**About:** The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NCI 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. This FOA will support creative educational activities with a primary focus on Courses for Skills Development.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** $300,000 direct costs per year  
**Program Contact:** Jeannette Korczak  
(240) 276-5630  
korczakj@mail.nih.gov

---

**National Cancer Institute**  
**Cancer Research Education Grants Program - Research Experiences (R25)**  
**Deadline:** 09/25/2019  

**About:** The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NCI 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. This FOA will support creative educational activities with a primary focus on Research Experiences.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** $300,000 direct costs per year  
**Program Contact:** Jeannette Korczak  
(240) 276-5630  
korczakj@mail.nih.gov

---

**Multiple Institutes, including the National Cancer Institute**  
**Advancing the Science of Geriatric Palliative Care (R21 - Clinical Trial Optional)**  
**Deadline:** 10/16/2019  

**About:** This Funding Opportunity Announcement (FOA) encourages exploratory or developmental research grant applications to develop new tools, methods, and models focused on palliative care in geriatric populations. This FOA covers studies in a variety of settings including hospitals (and specific sites within hospitals including specialty medical or surgical wards, intensive care units, and emergency departments), post-acute care settings, outpatient clinics and doctors' offices, patients' homes and other residential settings, assisted living facilities, nursing homes, hospices, and other healthcare or community settings.

**Period of Support:** Up to 2 years  

---

**Multiple Institutes, including the National Cancer Institute**  
**Academic-Industrial Partnerships for Translation of Technologies for Diagnosis and Treatment (R01 - Clinical Trial Optional)**  
**Deadline:** 10/5/2019  

**About:** 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.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Miguel R. Ossandon  
(240) 276-5714  
ossandon@mail.nih.gov

---

**National Cancer Institute**  
**Cancer Prevention and Control Clinical Trials Grant Program (R01 Clinical Trial Required)**  
**Deadline:** 10/5/2019  

**About:** Through this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for support of investigator-initiated clinical trials that have the potential to reduce the burden of cancer through improvements in early detection, prevention, healthcare delivery, quality of life, and/or survivorship related to cancer; with such attributes, the proposed studies should also have the potential to improve clinical practice and/or public health.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Brandy Heckman-Stoddard  
(240) 276-7048  
heckmanbm@mail.nih.gov

---

**National Cancer Institute**  
**National Cancer Institute's Investigator-Initiated Early Phase Clinical Trials for Cancer Treatment and Diagnosis (R01 Clinical Trial Required)**  
**Deadline:** 10/5/2019
The purpose of this Funding Opportunity Announcement (FOA) is to seek research projects that implement early phase (Phase 0, I, and II) investigator-initiated clinical trials focused on cancer-targeted diagnostic and therapeutic interventions of direct relevance to the research mission of the National Cancer Institute's (NCI) Division of Cancer Treatment and Diagnosis (DCTD).

Period of Support: Up to 5 years

Funds/Direct Costs: Application budgets are limited to less than $500,000 in direct costs per year.

Program Contact: Lori A. Henderson
(240) 276-5930
hendersonlori@mail.nih.gov

National Cancer Institute
Integration of Imaging and Fluid-Based Tumor Monitoring in Cancer Therapy (R01)
Deadline: 10/5/2019

About: Through this funding opportunity announcement (FOA), the National Cancer Institute (NCI) seeks research project (R01) grant applications describing projects that integrate imaging and fluid-based tumor monitoring (liquid biopsy) assays during cancer therapy in patients to determine the optimal use of those modalities in the characterization of therapy response and/or emergence of resistance.

Period of Support: Up to 5 years

Funds/Direct Costs: $499,999 direct costs per year

Program Contact: Anne Menkens
(240) 276-6510
menkensa@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Perception and Cognition Research to Inform Cancer Image Interpretation (R01)
Deadline: 9/26/2019

About: The purpose of this Funding Opportunity Announcement (FOA) is to encourage projects to generate fundamental knowledge of affective processes. Basic affective science projects should have key consequences for single (e.g., cancer screening) and multiple (e.g., adherence to oral chemotherapy regimen) event decisions and behaviors across the cancer prevention and control

Program Contact: Todd Horowitz
(240) 276-6963
todd.horowitz@nih.gov
continuum. The FOA is expected to encourage collaboration among cancer control researchers and those from scientific disciplines not traditionally connected to cancer control applications (e.g., affective and cognitive neuroscience, decision science, consumer science) to elucidate perplexing and understudied problems in affective and decision sciences with downstream implications for cancer prevention and control.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Rebecca Ferrer  
(240) 276-5075  
ferrerra@mail.nih.gov

**Multiple Institutes, including the National Cancer Institute**  
**Harnessing Big Data to Halt HIV (R01 Clinical Trial Optional)**  
**Deadline:** 10/5/2019  
**About:** The purpose of this Funding Opportunity Announcement (FOA) is to promote research that transforms understanding of HIV transmission, the HIV care continuum, and HIV comorbidities using Big Data Science (BDS). This FOA will support projects to assemble diverse big data sources, conduct robust and reproducible analyses, and create meaningful visualizations of big data, as well as, engage ethical experts where appropriate to ensure the development of this scientific area is guided by ethical principles.  
**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Geraldina Dominguez  
(301) 496-3204  
domingug@mail.nih.gov

**National Cancer Institute**  
**Physical Activity and Weight Control Interventions Among Cancer Survivors: Effects on Biomarkers of Prognosis and Survival (R21)**  
**Deadline:** 10/16/2019  
**About:** This Funding Opportunity Announcement (FOA) encourages transdisciplinary and translational research that will identify the specific biological or biobehavioral pathways through which physical activity and/or weight control (either weight loss or avoidance of weight gain) may affect cancer prognosis and survival. Research applications should test the effects of physical activity, alone or in combination with weight control (either weight loss or avoidance of weight gain), on biomarkers of cancer prognosis among cancer survivors identified by previous animal or observational research on established biomarkers other than insulin/glucose metabolism, especially those obtained from tumor tissue sourced from repeat biopsies where available.  
**Period of Support:** 2 years  
**Funds/Direct Costs:** $275,000 direct costs for entire period of support  
**Program Contact:** Frank Perna  
(240) 276-6782  
pernafm@mail.nih.gov

**Multiple Institutes, including the National Cancer Institute**  
**Precision Imaging of Oral Lesions (R01- Clinical Trial Not Allowed)**  
**Deadline:** 10/5/2019  
**About:** The intent of this Funding Opportunity Announcement (FOA) is to advance the development, adaptation, optimization, and validation of accurate, reproducible, specific, and sensitive imaging approaches to improve diagnosis, treatment, and treatment monitoring for diseases and conditions in the oral cavity and oropharynx.  
**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.  
**Program Contact:** Shane Woodward  
(240) 276-6303  
woodwars@mail.nih.gov

**National Cancer Institute**  
**Physical Activity and Weight Control Interventions Among Cancer Survivors: Effects on Biomarkers of Prognosis and Survival (R01 Clinical Trial Optional)**  
**Deadline:** 10/05/2019
Multiple Institutes, including the National Cancer Institute

End-of-Life and Palliative Care Approaches to Advanced Signs and Symptoms (R21)

Deadline: 10/16/2019

About: The purpose of this funding opportunity announcement (FOA) is to stimulate research to examine the multi-dimensional foundations, experiences and management of complex, advanced signs and symptoms at the end of life.

Period of Support: Up to 2 years
Funds/Direct Costs: $275,000 direct costs for entire period of support

Program Contact: Karen Kehl
(301) 594-8010
kehlka@nih.gov

Multiple Institutes, including the National Cancer Institute

Exploratory/Developmental Bioengineering Research Grants (EBRG) (R21 Clinical Trial Not Allowed)

Deadline: 10/16/2019

About: 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.

Period of Support: Up to 2 years
Funds/Direct Costs: Application budgets are limited to $400,000 Direct Costs per year.
Program Contact: Nastaran Zahir
(240) 276-7610
nas.zahir@nih.gov

National Cancer Institute

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

Deadline: 10/5/2019

About: This Funding Opportunity Announcement (FOA) encourages transdisciplinary and translational research that will identify the specific biological or biobehavioral pathways through which physical activity and/or weight control (either weight loss or avoidance of weight gain) may affect cancer prognosis and survival. Research applications should test the effects of physical activity, alone or in combination with weight control (either weight loss or avoidance of weight gain), on biomarkers of cancer prognosis among cancer survivors identified by previous animal or observational research on established biomarkers other than insulin/glucose metabolism, especially those obtained from tumor tissue sourced from repeat biopsies where available.

Period of Support: Up to 5 years
Funds/Direct Costs: Application budgets are not limited but need to reflect the actual needs of the proposed project.
Program Contact: Frank Perna
(240) 276-6782
pernafm@mail.nih.gov

Multiple Institutes, including the National Cancer Institute

End-of-Life and Palliative Needs of Adolescents and Young Adults (AYA) with Serious Illnesses (R01)

Deadline: 10/5/2019

About: The purpose of this funding opportunity announcement (FOA) is to foster research on the unique perspectives, needs, wishes, and decision-making processes of adolescents and young adults (AYA; defined by the World Health Organization and the Centers for Disease Control and Prevention as youth between 12–24 years of age) with serious, advanced illnesses; and research focused on specific end-of-life/palliative care (EOLPC) models that support the physical, psychological, spiritual, and social needs of AYA with serious illness, their families and caregivers.

Period of Support: Up to 5 years
Funds/Direct Costs: Application budgets are not limited but need to reflect the actual needs of the proposed project.
Program Contact: Lynn Adams
(301) 594-8911
lynn.adams@nih.gov

MCC Research Administration
August 2019 Funding Newsletter
17 of 22
$275,000 in direct costs per year

Program Contact: Miguel R. Ossandon
(240) 276-5714
ossandom@mail.nih.gov

National Cancer Institute
Exploratory/Developmental Bioengineering Research Grants (EBRG) (R21 Clinical Trial Optional)
Deadline: 10/16/2019

About: 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.

Period of Support: Up to 2 years
Funds/Direct Costs: The combined budget for direct costs for the two-year project period may not exceed $275,000.

Program Contact: Miguel R. Ossandon
(240) 276-5714
ossandom@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Bioengineering Research Grants (BRG) (R01 Clinical Trial Required)
Deadline: 10/5/2019

About: The purpose of this funding opportunity announcement is to encourage collaborations between the life and physical sciences that: 1) apply a multidisciplinary bioengineering approach to the solution of a biomedical problem; and 2) integrate, optimize, validate, translate or otherwise accelerate the adoption of promising tools, methods and techniques for a specific research or clinical problem in basic, translational, or clinical science and practice.

Period of Support: Up to 5 years
Funds/Direct Costs: Application budgets are not limited but need to reflect the actual needs of the proposed project.

Program Contact: Houston Baker
(240) 276-5908
bakerhou@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Accelerating the Pace of Child Health Research Using Existing Data from the Adolescent Brain Cognitive Development (ABCD) Study (R21-Clinical Trial Not Allowed)
Deadline: 10/16/2019

About: This FOA will support activities proposing to conduct analyses of existing ABCD Study data to accelerate the pace of research on child health and development, including: cross-sectional and/or longitudinal analyses; development of new or advanced statistical methods; and/or integration of multiple data sets with common data elements. Existing data provide unique opportunities to answer novel research questions in a cost-effective way. We also strongly encourage inclusion of statisticians, computational neuroscientists, and interdisciplinary teams to address novel research questions using these data.

Period of Support: Up to 2 years
Funds/Direct Costs: The combined budget for direct costs for the two-year project period may not exceed $275,000.

Program Contact: Crystal Wolfrey
(240) 276-6277
wolfreyc@mail.nih.gov

National Cancer Institute
Biology of Bladder Cancer (R01 Clinical Trial Optional)
Deadline: 10/05/2019

About: This Funding Opportunity Announcement (FOA) encourages applications investigating the biology and underlying mechanisms of bladder cancer. Applications that involve multidisciplinary teams and use clinical specimens or investigate both normal and cancer processes are encouraged.

Period of Support: Up to 5 years
Funds/Direct Costs: Application budgets are not limited but need to reflect the actual needs of the proposed project.

Program Contact: Ron Johnson
(240) 276-6250
rjohnso2@mail.nih.gov

National Cancer Institute
Microbial-based Cancer Therapy -Bugs as Drugs (R01 Clinical Trial Not Allowed)
Deadline: 10/05/2019

About: The overall purpose of this funding opportunity announcement (FOA) is to stimulate the development of novel microbial-based cancer therapies, especially for conditions where conventional cancer therapies are inadequate, such as poorly vascularized, hypoxic, solid tumors, dormant or slowly dividing cells resistant to current interventions, and brain tumors. Utilizing bacteria, archaebacteria, bacteriophages and other non-virus
microorganisms, this initiative will support research projects designed to study the underlying mechanisms of the complex interactions between microorganisms, tumor, and immune system.

**Period of Support:** Up to 5 years

**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Program Contact:** Avi Rasooly  
(240) 276-6196  
rasoolya@mail.nih.gov

---

**National Cancer Institute**

**Microbial-based Cancer Therapy - Bugs as Drugs (R21 Clinical Trial Not Allowed)**

**Deadline:** 10/16/2019  

**About:** The overall purpose of this funding opportunity announcement (FOA) is to stimulate exploratory development of novel microbial-based cancer therapies, especially for conditions where conventional cancer therapies are inadequate, such as poorly vascularized, hypoxic, solid tumors, dormant or slowly dividing cells resistant to current interventions, and brain tumors. The FOA also aims to support research into the use of microorganisms for cancer treatment and to complement or synergize with current therapies.

**Period of Support:** Up to 2 years

**Funds/Direct Costs:** Application budgets are limited to $275,000 per year.

**Program Contact:** Avi Rasooly  
(240) 276-6196  
rasoolya@mail.nih.gov

---

**National Cancer Institute**

**Clinical Characterization of Cancer Therapy-induced Adverse Sequelae and Mechanism-based Interventional Strategies (R01 Clinical Trial Optional)**

**Deadline:** 09/30/2019  

**About:** The purpose of this Funding Opportunity Announcement (FOA) is to support collaborative research projects designed to address adverse sequelae of cancer therapies that persist and become chronic comorbidities or develop as delayed posttreatment effects. This FOA supports basic, translational, and/or clinical research projects that seek to identify the mechanisms of therapy-induced adverse sequelae, clinically characterize the adverse sequelae, or translate the mechanistic understanding into therapeutic approaches to prevent or minimize the development of long-term sequelae.

**Period of Support:** Up to 5 years

**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Program Contact:** Kelly Filipski  
(240) 276-6841  
flipskikk@mail.nih.gov

---

**National Cancer Institute**

**Exploratory Grants in Cancer Epidemiology (R21 Clinical Trial Optional)**

**Deadline:** 10/08/2019  

**About:** This funding opportunity announcement (FOA) encourages the submission of exploratory/developmental research grant (R21) applications for cancer epidemiologic research. 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 improving data collection methods, developing and validating methods of exposures and biological effects, such as epigenetics and metabolomics, and their application in population-based research, functional assessment of genetic variants, and assessing recruitment methods for understudied populations.

**Period of Support:** 2 years

**Funds/Direct Costs:** The combined budget for direct costs for the two-year project period may not exceed $275,000.
**National Cancer Institute**

**NCI Research Specialist (Laboratory-based Scientist) Award (R50 Clinical Trial Not Allowed)**

**Deadline:** 10/18/2019  

**About:** The Research Specialist Award is designed to encourage the development of stable research career opportunities for exceptional scientists who want to continue to pursue research within the context of an existing NCI-funded basic, translational, clinical, or population science cancer research program, but not serve as independent investigators. These non-tenure track scientists, such as researchers within a research program, are vital to sustaining the biomedical research enterprise. It is anticipated that only exceptional scientists who want to pursue research within the context of an existing NCI-funded cancer research program, but not serve as independent investigators, will be competitive for this award.

**Period of Support:** Up to 5 years  
**Funds/Direct Costs:** See announcement for details.

**Program Contact:** Christine Siemon  
(240) 276-6180  
siemonc@mail.nih.gov

---

**National Cancer Institute**

**Stimulating Innovations in Behavioral Intervention Research for Cancer Prevention and Control (R21 Clinical Trial Optional)**

**Deadline:** 10/16/2019  

**About:** The purpose of this FOA is to provide support for the development of innovative interventions that improve cancer-related health behaviors in a variety of settings (e.g., families, communities, and health care delivery settings) across diverse racial/ethnic populations. The aim is to address one or more cancer-related behavioral risk factors to reduce cancer risk and disease burden.

**Period of Support:** Up to 2 years  
**Funds/Direct Costs:** The combined budget for direct costs for the two-year project period may not exceed $275,000.

**Program Contact:** Tanya Agurs-Collins  
(240) 276-6956  
collinsta@mail.nih.gov

---

**Request for Applications (RFA)**

**National Cancer Institute**

**Innovative Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R21)**

**Deadline:** 9/27/2019  

**About:** This Funding Opportunity Announcement (FOA) solicits grant applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies offering novel molecular or cellular analysis capabilities for basic or clinical cancer research. The emphasis of this FOA is on supporting the development of novel capabilities involving a high degree of technical innovation for targeting, probing, or assessing molecular and cellular features of cancer biology.

**Period of Support:** Up to 3 years  
**Funds/Direct Costs:** Direct costs are limited to $400,000 over a 3-year period, with no more than $200,000 in direct costs allowed in any single year.

**Program Contact:** Tony Dickherber  
(301) 547-9980  
dickherberaj@mail.nih.gov

---

**National Cancer Institute**

**Advanced Development and Validation of Emerging Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research (R33)**

**Deadline:** 9/27/2019  

**About:** This Funding Opportunity Announcement (FOA) solicits grant applications proposing exploratory research projects focused on further development and validation of emerging technologies offering novel capabilities for targeting, probing, or assessing molecular and cellular features of cancer biology for basic or clinical cancer research.

**Period of Support:** Up to 3 years  
**Funds/Direct Costs:** Direct costs are limited to $300,000 per year.

**Program Contact:** Tony Dickherber  
(301) 547-9980  
dickherberaj@mail.nih.gov

---

**National Cancer Institute**

**Innovative Biospecimen Science Technologies for Basic and Clinical Cancer Research (R21)**

**Deadline:** 9/27/2019  

**About:** This Funding Opportunity Announcement (FOA) solicits grant applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies offering novel molecular or cellular analysis capabilities for basic or clinical cancer research. The emphasis of this FOA is on supporting the development of novel capabilities involving a high degree of technical innovation for targeting, probing, or assessing molecular and cellular features of cancer biology.
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.

Period of Support: Up to 3 years
Funds/Direct Costs: Direct costs are limited to $400,000 over a 3-year period, with no more than $200,000 in direct costs allowed in any single year.

Program Contact: Tony Dickherber  
(301) 547-9980  
dickherberaj@mail.nih.gov

---

**Advanced Cancer Institute**

**Feasibility and Planning Studies for Development of Specialized Programs of Research Excellence (SPOREs) to Investigate Cancer Health Disparities (P20 Clinical Trial Optional)**

**Deadline:** 10/18/2019  

**About:** This Funding Opportunity Announcement (FOA) invites applications for development of translational research programs that are focused upon investigating cancer health disparities. The P20 grants will support feasibility and planning activities to build comprehensive cancer health disparities research programs. It is the expectation that the research programs developed by the P20 awards should be competitive with other applications for a full Specialized Programs of Research Excellence (SPORE), addressing cancer health disparities as a cross-cutting research theme.

**Period of Support:** Up to 3 years
**Funds/Direct Costs:** Applicants may request a maximum of $800,000 direct costs per year
**Program Contact:** Tiffany Wallace  
(240) 276-5114  
wallaceti@mail.nih.gov

---

**National Cancer Institute**

**Multiple Institutes, including the National Cancer Institute**

**HEAL Initiative: Translational Development of Devices to Treat Pain (U18 Clinical Trial Not Allowed)**

**Deadline:** 10/22/2019  

**About:** The purpose of this Funding Opportunity Announcement (FOA) is to support preclinical development and demonstration of safe, effective, and non-addictive device-based technologies and approaches to treat pain. The goal of the program is to demonstrate treatment using credible neural targets for device-based interventions and/or diagnostics for pain, building upon the latest mechanistic knowledge about the anatomy and physiology of central, spinal, and peripheral pathways involved in pain.

**Period of Support:** Up to 3 years
**Funds/Direct Costs:** Application budgets are not limited but need to reflect the actual needs of the proposed project. Budgets should rarely exceed $500,000 direct cost per year.
**Program Contact:** Diane St. Germain  
(240) 276-7082  
dstgermain@mail.nih.gov

---

**National Cancer Institute**

**Maximizing the Scientific Value of Existing Biospecimen Collections: Scientific Opportunities for Exploratory Research (R21 Clinical Trial Not Allowed)**

**Deadline:** 10/8/2019  

**About:** The purpose of this Funding Opportunity Announcement (FOA) is to invite R21 applications to stimulate exploratory research relevant to the mission of the Food and Drug Administration (FDA) - Center for Tobacco Products (CTP) using existing (publicly available) biospecimens currently stored in repositories in the United States. This will include, but not be limited to, collections associated with the Population Assessment of Tobacco and Health (PATH) Study, the National Health and Nutrition Examination Survey (NHANES), the National Heart, Lung and Blood Institute’s (NHLBI) Biologic Specimen and Data Repository Information Coordinating Center (BioLINCC), and the Prostate, Lung, Colorectal and Ovarian (PLCO) Cancer Screening Trial. Proposed research should seek to
maximize the scientific value of these stored collections and
to provide researchers with an opportunity to generate
preliminary data for subsequent research proposals.

**Period of Support:** Up to 2 years

**Funds/Direct Costs:** The combined budget for direct costs
for the entire project period may not exceed $275,000.

**Program Contact:** Mutema Nyankale
(240) 276-5987
nyankalem@nih.gov

---

**Intramural Funding Opportunities**

**Massey Cancer Center, Pauley Heart Center**

**Pilot Project Opportunity in Cardio-Oncology**

**Deadline:** 9/19/2019

For submission guidelines email Farah Mirza

**About:** Together, the Pauley Heart Center and Massey Cancer Center are offering a one-time funding opportunity for up to $50,000 for a pilot project grant to stimulate NEW collaborative research initiatives that will take on a life of their own after the funding is spent. The intent is to support critical searching experiments that will lay the groundwork needed for grant applications to external peer-reviewed funding organizations. The topic area for this submission will include the field of Cardio-Oncology and is open to address issues related to immunology, obesity, inflammation and metabolism, biomedical engineering, imaging, exercise physiology, behavioral science, or population based sciences.

**Period of Support:** 1 year

**Funds/Direct Costs:** Up to $50,000

**Program Contact:** Farah Mirza
(804) 628-1750
fmirza@vcu.edu