NIH-NCI Newsletter

National Cancer Institute

**Population-based Research to Optimize the Screening Process (PROSPR) (UM1)**

RFA-CA-16-016

**Application Due Date:** February 9, 2017


**About**

Population-based Research to Optimize the Screening Process (PROSPR) is the National Cancer Institute (NCI) program to promote research aimed at evaluating and improving the cancer screening process. As a part of the reissued PROSPR program, this Funding Opportunity Announcement (FOA) solicits applications for PROSPR UM1 Research Centers. A companion FOA (RFA-CA-16-017) will support a PROSPR U24 Coordinating Center. This FOA utilizes the Resource-Related Research Projects – Cooperative Agreements (U24) award mechanism.

**Period of Support** 5 years

**Funds/Direct Costs** $2.5M direct costs per year

**Contact**

Paul Doria-Rose

Phone: (240) 276-6904
doriarop@mail.nih.gov

NEW

National Cancer Institute

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

RFA-CA-17-010

"http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-17-010.html"

**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. Well-suited applications must offer the potential to accelerate and/or enhance research in the areas of cancer biology, early detection and screening, clinical diagnosis, treatment, control, epidemiology, and/or address issues associated with cancer health disparities. This FOA utilizes the Exploratory/ Developmental Grants Phase II (R33) award mechanism.

**Period of Support** 3 years

**Funds/Direct Costs** $300,000 direct costs per year

**Contact**

Tony Dickherber

Phone: (301) 547-9980
dickherberaj@mail.nih.gov

NEW

National Cancer Institute

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

RFA-CA-17-011


**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. Well-suited applications must offer the potential to accelerate and/or enhance research in the areas of cancer biology, early detection and screening, clinical diagnosis, treatment, control, epidemiology, and/or address issues associated with cancer health disparities. This FOA utilizes the Exploratory/ Developmental Grants Phase II (R33) award mechanism.

**Period of Support** 3 years

**Funds/Direct Costs** $400,000 direct costs for entire period of support

**Contact**

Tony Dickherber

Phone: (301) 547-9980
dickherberaj@mail.nih.gov
About
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 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 FOA utilizes the Exploratory/Developmental (R21) award mechanism.

Period of Support 3 years
Funds/Direct Costs $400,000 direct costs for entire period of support
Budgetary Notes Up to $200,000 direct costs allowed
Contact Tony Dickherber
Phone: (301) 547-9980
dickerberaj@mail.nih.gov

NEW
National Cancer Institute
Advanced Development and Validation of Emerging Biospecimen Science Technologies for Basic and Clinical Cancer Research (R33)
RFA-CA-17-013

About
This funding opportunity announcement (FOA) solicits grant applications proposing exploratory research projects focused on further development and validation of emerging technologies that improve the quality of the samples used for cancer research or clinical care. 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 utilizes the exploratory/developmental (R33) award mechanism.

Period of Support 3 years
Funds/Direct Costs $300,000 direct costs per year
Contact Tony Dickherber
Phone: (301) 547-9980
dickerberaj@mail.nih.gov

NEW
National Cancer Institute
NCI Research Specialist (Laboratory-based Scientist) Award (R50)
PAR-17-049
"http://grants.nih.gov/grants/guide/pa-files/PAR-17-049.html"

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. The Research Specialist Award is intended to provide salary support and sufficient autonomy so that individuals are not solely dependent on NCI grants held by others for career continuity. This FOA utilizes the Research Specialist (R50) award mechanism.

Period of Support 5 years
Funds/Direct Costs See Announcement
Contact Christine Siemon
Phone: (240) 276-6180
siemonc@mail.nih.gov

NEW
Multiple Institutes, including the National Cancer Institute
Addressing the Etiology of Health Disparities and Health Advantages Among Immigrant Populations (R01)
PA-17-041
"http://grants.nih.gov/grants/guide/pa-files/PA-17-041.html"

About
The purpose of this funding opportunity announcement (FOA) is to support innovative research to understand uniquely associated factors (biological, behavioral, sociocultural, and environmental) that contribute to health disparities or health advantages among U.S. immigrant populations. This FOA utilizes the Research Project (R01) award mechanism.

Period of Support 5 years
Funds/Direct Costs Application budgets are not limited but need to reflect the actual needs of the proposed project.
Contact Damali Martin
Phone: (240) 276-6746
martinda@mail.nih.gov

NEW
Multiple Institutes, including the National Cancer Institute
Addressing the Etiology of Health Disparities and Health Advantages Among Immigrant Populations (R21)
PA-17-042
"http://grants.nih.gov/grants/guide/pa-files/PA-17-042.html"
About
The purpose of this Funding Opportunity Announcement (FOA) is to support and accelerate innovative exploratory and developmental research to develop and test feasibility of effective interventions to address health disparities among U.S. immigrant populations. Among immigrants, cardiovascular disease (CVD), stroke, hypertension diabetes and some types of cancers (particularly those associated with infectious agents) are often higher than their counterparts in the general U.S. born populations, although in some groups the rates of CVD and stroke are substantially lower. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs for entire period of support
Budgetary Notes Up to $200,000 allowed per year
Contact Carol Perry
Phone: (240) 276-6282
perryc@mail.nih.gov

NEW
Multiple Institutes, including the National Cancer Institute

Addressing Health Disparities through Effective Interventions Among Immigrant Populations (R01)
PA-17-043
"http://grants.nih.gov/grants/guide/pa-files/PA-17-043.html"

About
The purpose of this Funding Opportunity Announcement (FOA) is to support innovative exploratory and developmental research to understand uniquely associated factors (biological, behavioral, sociocultural, and environmental) that contribute to health disparities or health advantages among U.S. immigrant populations. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs for entire period of support
Budgetary Notes Up to $200,000 allowed per year
Contact Carol Perry
Phone: (240) 276-6282
perryc@mail.nih.gov

NEW
Multiple Institutes, including the National Cancer Institute

Addressing Health Disparities through Effective Interventions Among Immigrant Populations (R21)
PA-17-044
"http://grants.nih.gov/grants/guide/pa-files/PA-17-044.html"

About
The purpose of this Funding Opportunity Announcement (FOA) is to support innovative exploratory and developmental research to develop and test feasibility of effective interventions to address health disparities among U.S. immigrant populations. Among immigrants, cardiovascular disease (CVD), stroke, hypertension diabetes and some types of cancers (particularly those associated with infectious agents) are often higher than their counterparts in the general U.S. born populations, although in some groups the rates of CVD and stroke are substantially lower. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs for entire period of support
Budgetary Notes Up to $200,000 allowed per year
Contact Carol Perry
Phone: (240) 276-6282
perryc@mail.nih.gov

NEW
National Cancer Institute

NCI Research Specialist (Core-based Scientist) Award (R50)
PAR-17-050

About
The purpose of this Funding Opportunity Announcement (FOA) is to support innovative exploratory and developmental research to understand uniquely associated factors (biological, behavioral, sociocultural, and environmental) that contribute to health disparities or health advantages among U.S. immigrant populations. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs for entire period of support
Budgetary Notes Up to $200,000 allowed per year
Contact Carol Perry
Phone: (240) 276-6282
perryc@mail.nih.gov

NEW
Multiple Institutes, including the National Cancer Institute

Addressing Health Disparities through Effective Interventions Among Immigrant Populations (R01)
PA-17-043
"http://grants.nih.gov/grants/guide/pa-files/PA-17-043.html"

About
The purpose of this Funding Opportunity Announcement (FOA) is to support innovative exploratory and developmental research to understand uniquely associated factors (biological, behavioral, sociocultural, and environmental) that contribute to health disparities or health advantages among U.S. immigrant populations. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs for entire period of support
Budgetary Notes Up to $200,000 allowed per year
Contact Carol Perry
Phone: (240) 276-6282
perryc@mail.nih.gov

NEW
Multiple Institutes, including the National Cancer Institute

Addressing Health Disparities through Effective Interventions Among Immigrant Populations (R21)
PA-17-044
"http://grants.nih.gov/grants/guide/pa-files/PA-17-044.html"

About
The purpose of this Funding Opportunity Announcement (FOA) is to support innovative exploratory and developmental research to understand uniquely associated factors (biological, behavioral, sociocultural, and environmental) that contribute to health disparities or health advantages among U.S. immigrant populations. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs for entire period of support
Budgetary Notes Up to $200,000 allowed per year
Contact Carol Perry
Phone: (240) 276-6282
perryc@mail.nih.gov

NEW
National Cancer Institute

Limited Competition: Cancer Immunotherapy Trials Network (CITN)(UM1)
RFA-CA-16-501
About
The purpose of this limited Funding Opportunity Announcement (FOA) is to support the infrastructure to design and conduct multi-institutional Phase I and early Phase II clinical immunotherapy trials for cancer patients, using novel immunomodulatory agents. To realize these goals, the FOA will continue to support the research activities of the Cancer Immunotherapy Trials Network (CITN). This FOA utilizes the Research Project with Complex Structure Cooperative Agreement (UM1) award mechanism.

Period of Support 5 years
Funds/Direct Costs $1.5M direct costs per year
Contact William Merritt
Phone: (240) 276-6137
merrittw@mail.nih.gov

NEW
National Cancer Institute
National Cancer Institute Youth Enjoy Science Research Education Program (R25)
PAR-17-059
"http://grants.nih.gov/grants/guide/pa-files/PAR-17-059.html"

About
The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this National Cancer Institute (NCI) R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral, and clinical research workforce. This FOA utilizes the Educations Projects (R25) award mechanism.

Period of Support 5 years
Funds/Direct Costs $500,000 direct costs per year
Contact Alison Lin
Phone: (240) 276-6177
linaj@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Tobacco Regulatory Science Small Grant Program for New Investigators (R03)
RFA-OD-15-004

About
The purpose of this funding opportunity announcement (FOA) is to support New Investigators in the biomedical, behavioral, and social sciences who are in the early stages of establishing independent careers in tobacco regulatory research. 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. Applicants are encouraged to conduct projects that ultimately have potential to inform regulations on tobacco product manufacturing, distribution, and marketing. This FOA utilizes the Small Grant Program (R03) award mechanism.

Period of Support 2 years
Funds/Direct Costs $75,000 direct costs per year
Contact Carol Perry
Phone: (240) 276-6282
perryc@mail.nih.gov

National Institutes of Health
Chronic Condition Self-Management in Children and Adolescents (R01)
PA-14-029

About
The purpose of this funding opportunity announcement (FOA) is to encourage research to improve self-management and quality of life in children and adolescents with chronic conditions. This FOA encourages research that takes into consideration various factors that influence self-management such as individual differences, biological and psychological factors, family and sociocultural context, family-community dynamics, healthcare system factors, technological advances, and the role of the environment. Examples of chronic conditions include but are not limited to: asthma, obesity, diabetes, chronic/end-stage renal disease, cystic fibrosis, heart disease, HIV and some forms of cancer. This FOA is restricted to studies of children and adolescents ages 8 to 21 with chronic conditions as children younger are less likely to manage their health conditions. This FOA utilizes the NIH Research Project
Grant (R01) award mechanism.

**Period of Support** 5 years

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

**Contact**  
Karen Huss  
Phone: (301) 594-5970  
hussk@mail.nih.gov

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**National Cancer Institute**

**NCI Mentored Patient-Oriented Research Career Development Award to Promote Diversity (K23)**

PAR-15-062  

**About**
The NCI’s Diversity Training Branch (DTB) and the Center to Reduce Cancer Health Disparities (CRCHD) announce the availability of the “Mentored Patient-Oriented Research Award to Promote Diversity” for career development of individuals with a health professional doctoral degree from groups currently underrepresented on a national level in the biomedical, clinical, behavioral, and social sciences. The NCI recognizes a unique and compelling need to promote diversity in the patient-oriented research workforce. This FOA will utilize the NIH Mentored Patient-Oriented Research Career Development Award (K23) mechanism.

**Period of Support** 1 year

**Funds/Direct Costs** $130,000 direct costs for one year

**Contact** John Ojeifo  
Phone: (240) 276-6186  
ojeifo@mail.nih.gov

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

**NCI Mentored Clinical Scientist Research Career Development Award to Promote Diversity (K08)**

PAR-15-060  

**About**
The NCI-sponsored K08 award is specifically designed to promote career development of clinical scientists from diverse backgrounds that have been shown to be underrepresented in health-related science and for those who are committed to a career in basic biomedical, behavioral or translational cancer research, including research on cancer health disparities. The expectation is that through this sustained period of research career development and training, awardees will develop enhanced research capabilities for cancer research careers and be better prepared to compete for research project grants (e.g. R03, R21, or R01) funding. This FOA will utilize the NIH Clinical Investigator Award (CIA) (K08) mechanism.

**Period of Support** 5 years

**Funds/Direct Costs** $130,000 direct costs per year

**Contact** Behrouz Davani  
Phone: (240) 276-6098  
behrous.davani@nih.gov

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**National Cancer Institute**

**The NCI Transition Career Development Award (K22)**

PAR-15-056  

**About**
National Cancer Institute (NCI) provides support 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. This program will use the NIH Career Development (K22) award mechanism.

**Period of Support** 3 years

**Funds/Direct Costs** $150,000 total costs per year

**Budgetary Notes** 8% indirect costs are allowed

**Contact** Sonia Jakowlew  
Phone: (240) 276-5630  
jkowles@mail.nih.gov

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**Multiple Institutes, including the National Cancer Institute**
Diet and Physical Activity Assessment Methodology (R21)

PAR-15-171

About
This funding opportunity announcement (FOA) will support research pertinent to improving the measurements of diet and physical activity through the development of better instruments, innovative technologies, and/or applications of advanced statistical/analytic techniques. Specifically, this funding opportunity is intended to support innovative research focused on assessments of dietary and physical activity patterns and the settings in which such behaviors occur, not on the determinants of these behaviors, studies of the causal association between environment and behavior, or interventions designed to modify or improve behaviors related to dietary intake or physical activity/sedentary behavior. The purpose is to promote substantive improvements in the assessment of diet and physical activity as related to public health, obesity, cancer, and chronic diseases across the lifespan. This FOA utilizes the Exploratory/Developmental Research grant (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs over entire period of support
Budgetary Notes Up to $200,000 direct costs allowed per year

Contact Richard Troiano
Phone: (301) 435-6916
troianor@mail.nih.gov

Multiple Institutes, including the National Cancer Institute

NCI Transition Career Development Award to Promote Diversity (K22)

PAR-15-063

About
National Cancer Institute (NCI) invites applications for the National Cancer Institute (NCI) Career Transition Award. The purpose of the award is to help ensure that a diverse pool of highly trained scientists are available in adequate numbers and in appropriate research areas to address the nation’s biomedical, behavioral, and clinical research needs. This award will provide "protected time" for recipients to develop and receive support for their initial cancer research program. In addition, this award can provide a two-year mentored experience in NCI intramural programs for interested individuals. This program utilizes the NIH Transition Career Development Award (K22) mechanism.

Period of Support 3 years
Funds/Direct Costs $150,000 direct costs per year

Contact John Ojeifo
Phone: (240) 276-6186
ojeifojo@mail.nih.gov

Multiple Institutes, including the National Cancer Institute

BD2K Support for Meetings of Data Science Related Organizations (U13)

RFA-CA-16-020

About
The purpose of this Funding Opportunity Announcement (FOA) is to support high quality and impactful conferences/scientific meetings that are convened by data science related organizations whose missions focus on biomedical data science. Applicants representing data science related organizations may request support for one or a series of meetings over multiple years that address areas of data science aligned with the goals of the NIH BD2K program. This FOA utilizes the Support for Conferences and Scientific Meetings (U13) award mechanism.

Period of Support 3 years
Funds/Direct Costs $470,000 direct costs per year
Contact David Contois
Phone: (240) 276-6447
ncirefof@dea.nci.nih.gov

Multiple Institutes, including the National Cancer Institute

Bioengineering Research Grants (BRG) (R01)

PAR-16-242

About
The purpose of this funding opportunity announcement (FOA) 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 problems in basic, translational, or clinical science and practice. An application may propose design-directed, developmental, discovery-driven, or hypothesis-driven research and is appropriate for small teams applying an integrative approach that can increase our understanding of and solve problems in biological, clinical or translational science. This FOA utilizes the NIH Research Project Grant (R01) grant mechanism.

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

Contact Grants Info
Phone: (301) 435-0714
National Cancer Institute

National Cancer Institute Program Project Applications (P01)
PAR-16-457


**About**

National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective. This FOA will utilize the NIH Program Project (P01) grant mechanism.

**Period of Support** 5 years

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

**Contact** Referral Officer
**Phone:** (240) 276-6390
**ncirefof@dea.nci.nih.gov**

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Multiple Institutes, including the National Cancer Institute

Diet and Physical Activity Assessment Methodology (R01)
PAR-15-170


**About**

This funding opportunity announcement (FOA) encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted under this FOA are encouraged to include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including children and older adults; improved technology or applications of existing technology; statistical methods/modeling to improve assessment and/or to correct for measurement errors or biases; methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors. The purpose is to promote substantive improvements in the assessment of diet and physical activity as related to public health, obesity, cancer, and chronic diseases across the lifespan. This FOA utilizes the Research Project Grant (R01) grant mechanism.

**Period of Support** 5 years

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

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

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Multiple Institutes, including the National Cancer Institute

Spatial Uncertainty: Data, Modeling, and Communication (R21)
PA-15-009


**About**

The goal of this funding opportunity announcement (FOA) is to facilitate multidisciplinary collaborations among researchers to promote research in identifying, quantifying, and communicating spatial uncertainty in health research to improve disease control and prevention. The National Cancer Institute (NCI) is interested in general methodology of spatial statistical models and visualization tools that are applicable to disease control and prevention especially as related to cancer and cancer patients. This FOA utilizes the NIH Exploratory/Developmental Research Grant Award (R21) mechanism.

**Period of Support** 2 years

**Funds/Direct Costs** $275,000 direct costs over entire period of support
**National Cancer Institute**

**Nutrigenetics and Nutrigenomics Approaches for Nutrition Research (R01)**

PA-16-332


**About**

The purpose of this funding opportunity announcement (FOA) is to promote application of nutrigenetics and/or nutrigenomics approaches to nutrition research through collaborative interaction among nutrition researchers and experts in omics technologies. The National Cancer Institute has multiple interests in nutrigenetic and nutrigenomic based mechanistic studies including vitamins, minerals and other nutritive agents present in food that reduce the risk of cancer. Genetic variations present in individuals may alter their susceptibility to cancer. This FOA utilizes the Research Project Grant (R01) award mechanism.

**Period of Support**

5 years

**Funds/Direct Costs**

Application budgets are not limited but need to reflect the actual needs of the proposed project

**Contact**

Nancy Emenaker

**Phone:** (240) 276-7125

emaken@mail.nih.gov

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**National Cancer Institute**

**Examination of Survivorship Care Planning Efficacy and Impact (R21)**

PA-16-011


**About**

The purpose of this funding opportunity announcement (FOA) is to stimulate research to evaluate the effect of care planning on cancer survivors' health and psychosocial outcomes; self-management of late effects and adherence to cancer screening and health behavior guidelines; utilization of follow-up care; organizational-level factors influencing the implementation of care planning; and associated costs. Specifically, the FOA aims to stimulate research that will: 1) develop and test metrics for evaluating the impact of survivorship care planning; 2) evaluate the impact of survivorship care planning on cancer survivors' morbidity, self-management and adherence to care recommendations, utilization of follow-up care, and on systems outcomes, such as associated costs and impact on organizations implementing care planning; and 3) identify models and processes of care that promote effective survivorship care planning. This FOA will utilize the NIH Exploratory/Developmental (R21) grant mechanism.

**Period of Support**

2 years

**Funds/Direct Costs**

$275,000 direct costs over entire period of support

**Budgetary Notes**

Up to $200,000 direct costs allowed per year

**Contact**

Stephen Taplin

**Phone:** (240) 276-6947

Taplins@mail.nih.gov

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

**Accelerating the Pace of Drug Abuse Research Using Existing Data (R01)**

PAR-16-234


**About**

The purpose of this funding opportunity announcement (FOA) is to invite applications proposing the innovative analysis of existing social science, behavioral, administrative, and neuroimaging data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, prescription and other drug) and related disorders, prevention of drug use and HIV, and health service utilization. This FOA encourages the analyses of public use and other extant community-based or clinical datasets to their full potential in order to increase our knowledge of etiology, trajectories of drug using behaviors and their consequences including morbidity and mortality,
risk and resilience in the development of psychopathology, strategies to guide the development, testing, implementation, and delivery of high quality, effective and efficient services for the prevention and treatment of drug abuse and HIV. This FOA will utilize the NIH Research Project (R01) grant mechanism.

Period of Support  5 years
Funds/Direct Costs  $500,000 direct costs per year
Contact  Erik Augustson

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Period of Support  6 months (phase I) and 2 years (phase II)
Funds/Direct Costs  $150,000 (phase I) $1M (phase II) total costs per year
Contact  Michael Weingarten

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National Cancer Institute
Quantitative Imaging for Evaluation of Response to Cancer Therapies (U01)
PAR-14-116

About
The National Cancer Institute (NCI) invites applications which are expected to enhance the value of quantitative imaging (QI) in clinical trials for prediction and/or measurement of response to cancer therapies. One avenue for this enhancement is to emphasize the development, optimization and validation of state-of-the-art QI methods and software tools for potential implementation in single site phase 1 or 2 clinical trials. The second avenue to enhance QI methods is to address the challenges of integrating existing and or new QI methods as required for multicenter phase 3 clinical trials. This FOA utilizes the NIH Cooperative Agreement (U01) award mechanism.

Period of Support  5 years
Funds/Direct Costs  $500,000 direct costs per year
Contact  Robert Nordstrom

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Multiple Institutes, including the National Cancer Institute
Behavioral Interventions to Address Multiple Chronic Health Conditions in Primary Care (R01)
PA-14-114
"http://grants.nih.gov/grants/guide/announcements/PA-14-114.html"

About
This funding opportunity announcement (FOA) seeks Research Project Grant (R01) applications that propose to use a common conceptual model to develop behavioral interventions to modify health behaviors and improve health outcomes in patients with comorbid chronic diseases and health conditions. The proposed approach must modify behaviors using a common approach rather than administering a distinct intervention for each targeted behavior and/or condition. Diseases and health conditions can include, but are not limited to: mental health disorders (e.g., depression), diabetes, smoking, obesity, chronic pain, alcohol and substance abuse and dependence, chronic obstructive pulmonary disorder, cancer and hypertension. This FOA utilizes the NIH Research Project Grant (R01) award mechanism.
**Period of Support**: 5 years

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

**Contact**  
Carol Perry  
**Phone**: (301) 496-7205  
perryc@mail.nih.gov

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

**Early Stage Development of Technologies in Biomedical Computing, Informatics, and Big Data Science (R01)**  
PA-14-155  

**About**  
This funding opportunity announcement (FOA) encourages research projects that focus on early stage research and development of technologies in biomedical computing, informatics, and Big Data science. The FOA is coordinated by the NIH Big Data Initiative (BD2K) and the Biomedical Information Science and Technology Initiative (BISTI) committees. Projects should focus on innovative and high impact biomedical computational, informatics, and Big Data science approaches to advancing biomedical research. The application should address the intended use of the technology, identify the technology development needs that the project will address, and how these needs are related to important biomedical, translational, or clinical research problems. Applicants will be expected to demonstrate fundamental understanding and adequate expertise in the relevant areas of both biomedical research and computational science and technology. This FOA utilizes the NIH Research Project (R01) award mechanism.

**Period of Support**: 3 years  
**Funds/Direct Costs**: $300,000 direct costs per year  
**Contact** Vivian Bonazzi  
**Phone**: (301) 451-8276  
bonazziv@mail.nih.gov

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

**Extended Development, Hardening and Dissemination of Technologies in Biomedical Computing, Informatics and Big Data Science (R01)**  
PA-14-156  
"http://grants.nih.gov/grants/guide/pa-files/PA-14-156.html"

**About**  
The goal of this program announcement is to support the extended development, maintenance, testing, evaluation, hardening, and dissemination of existing biomedical software. The NIH is interested in promoting a broad base of research and development of technologies in biomedical computing, informatics, and Big Data Science that will support rapid progress in areas of scientific opportunity in biomedical research. Major themes of research include collaborative environments; data integration; analysis and modeling methodologies; and novel computer science and statistical approaches. The proposed work should apply best practices and proven methods for software design, construction, and implementation to extend the applicability of existing technologies in biomedical computing, informatics and big data science to a broader biomedical research community. This FOA utilizes the NIH (R01) Research Project award mechanism.

**Period of Support**: 5 years  
**Funds/Direct Costs**: Application budgets are not limited but need to reflect the actual needs of the proposed project  
**Contact** NIH Grant Resources  
**Phone**: (301) 435-0714  
GrantsInfo@nih.gov

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

**Exploratory Studies of Smoking Cessation Interventions for People with Schizophrenia (R21/R33)**  
PAR-14-230  

**About**  
The purpose of this funding opportunity announcement (FOA) is to provide support for grant applications to generate and conduct preliminary tests of targeted smoking cessation treatments for individuals with schizophrenia. This FOA provides support for up to two years (R21 phase) for protocol development and target identification and engagement studies, followed by up to 3 years of support (R33 phase) for exploratory/pilot studies to further evaluate target engagement and its prospective association with clinical benefits, and to evaluate the feasibility of conducting a larger trial. This FOA utilizes the NIH Phased Innovation (R21/R33) award mechanism.

**Period of Support**: 5 years  
**Funds/Direct Costs**: $275,000 (phase I) and $450,000 (phase II) direct costs for entire period of support  
**Contact** Yvonne Hunt  
**Phone**: (240) 276-6975  
huntym@mail.nih.gov

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

**Exploratory Studies of Smoking Cessation Interventions for People with Schizophrenia (R33)**  
PAR-14-231  
About
The purpose of this funding opportunity announcement (FOA) is to provide support for grant applications of two major types. Type I will conduct exploratory testing of novel, targeted treatments for smoking cessation for individuals with schizophrenia. Type II will conduct exploratory testing of targeted implementation strategies of existing efficacious treatments at the service-delivery system level. All applicants should provide a compelling scientific rationale for any measures proposed to assess the link between the target, hypothesized change mechanism and effect. This FOA utilizes the NIH Exploratory/Developmental Grants Phase II (R33) grant mechanism.

**Period of Support** 3 years

**Funds/Direct Costs** $450,000 direct costs over entire period of support

**Budgetary Notes** Up to $225,000 direct costs per year

**Contact** Yvonne Hunt
Phone: (240) 276-6975
huntym@mail.nih.gov

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**National Cancer Institute**

**Collaborative Research Projects to Enhance Applicability of Mouse Models for Translational Research (Collaborative R01)**

PAR-14-240


**About**
The purpose of this funding opportunity announcement (FOA) is to invite applications for collaborative R01 projects from multi-disciplinary teams to expand, improve, or transform the utility of mouse cancer and tumor models for translational research. The National Cancer Institute (NCI) supports many hypothesis-driven, mechanistic R01 projects that employ mice, or develop and use mouse cancer models or human-in-mouse tumor models for oncology research. Teams of applicants could propose demonstrations of how to overcome limitations of oncology mouse and human-in-mouse models, define new uses of models or mouse genetics for unexplored translational challenges, advance standard practices for use of translational models, test approaches to validate and credential models, or challenge current practices for how models are used translationally. This FOA utilizes the NIH Research Project Grant (R01) award mechanism.

**Period of Support** 3 years

**Funds/Direct Costs** $450,000 direct costs per year

**Contact** Cheryl Marks
Phone: (240) 276-6217
marksc@mail.nih.gov

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**National Cancer Institute**

**New Informatics Tools and Methods to Enhance U.S. Cancer Surveillance Research (UG3/UH3)**

PAR-16-349

**About**
The goal of this funding opportunity announcement (FOA) is to advance surveillance science by supporting the development of new and innovative tools and methods for more efficient, detailed, timely, and accurate data collection by cancer registries. Tools and methods proposed for development are expected to enhance the registry core infrastructure and, in so doing, expand the usefulness of registry-collected data to support high-quality cancer research. This FOA utilizes the Phase Innovation Awards Cooperative Agreement (UG3/UH3) award mechanism.

**Period of Support** 2 years (UG3) and 3 years (UH3)

**Funds/Direct Costs** $300,000 (UG3) and $500,000 (UH3) direct costs per year

**Contact** Nadia Howlader
Phone: (240) 276-6891
howladern@mail.nih.gov

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

**Target Assessment, Engagement and Data Replicability to Improve Substance Use Disorders Treatment Outcomes (R33)**

PAR-16-352


**About**
This funding opportunity announcement (FOA) is part of an NIH initiative known as Collaborative Research on Addiction at NIH (CRAN). The mission of the CRAN is to provide a strong collaborative framework to enable the National Institute on Drug Abuse (NIDA), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the National Cancer Institute (NCI) to integrate resources and expertise to advance addiction research and public health outcomes. Areas supported by this FOA include research to generate and conduct preliminary tests of targeted addiction treatment to address multiple substances, which may include alcohol, tobacco and other drug use (ATOD). This FOA utilizes the Exploratory/Developmental (R33) award mechanism.

**Period of Support** 3 years

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

**Contact** Glen Morgan
Phone: (240) 276-6787
glen.morgan@nih.gov

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

**Target Assessment, Engagement and Data Replicability to Improve Substance Use Disorders Treatment Outcomes (R21/R33)**

PAR-16-353
Multiple Institutes, including the National Cancer Institute

Clinical Evaluation of Adjuncts to Opioid Therapies for the Treatment of Chronic Pain (R01)
PAR-14-225

About
This funding opportunity announcement (FOA) aims to fund applications designed to assess the clinical value of adjuncts prescribed to chronic pain patients together with opioid analgesics. Studies with adjuncts of interest should be focused on enhancing analgesia, rather than on reducing an adverse effect. A secondary purpose is to increase awareness among opioid prescribers of the potential value of adjunctive therapies by focused data dissemination. This FOA utilizes the NIH Research Project Grant (R01) award mechanism.

Period of Support 3 years
Funds/Direct Costs Application budgets are not limited but need to reflect the actual needs of the proposed project

Contact Ann O'Mara
Phone: (240) 276-7050
omaraa@mail.nih.gov

Small Research Grants for Analyses of Data for the Gabriella Miller Kids First Data Resource (R03)
PAR-16-348

About
The NIH Common Fund has established the Gabriella Miller Kids First Pediatric Research Program (Kids First) to develop a pediatric research data resource populated by genome sequence and phenotype data that will be of high value for the communities of investigators who study the genetics of childhood cancers and/or structural birth defects. The overall goal of the Gabriella Miller Kids First Pediatric Data Resource is to help researchers understand the underlying mechanisms of these conditions, leading to more refined diagnostic capabilities and ultimately more targeted therapies, as well as to develop an integrated pediatric research data resource by obtaining and aggregating genome sequence and phenotype data for as many relevant structural birth defects and pediatric cancer cohorts as possible and to advance research in this area through the broad sharing of these data with the research community. This FOA utilizes the Small Grant Program (R03) award mechanism.

Period of Support 2 years
Funds/Direct Costs $200,000 direct costs for entire period of support

Contact Malcolm Smith
Phone: (240) 276-6560
smithm@mail.nih.gov

Multiple Institutes, including the National Cancer Institute

Ethical, Legal, and Social Implications (ELSI) of Genomic Research Regular Research Program (R01)
PA-14-276

About
This funding opportunity announcement (FOA) invites Research Project Grant (R01) applications that propose to study the ethical, legal and social implications (ELSI) of human genome research. The National Cancer Institute (NCI) is interested in research that focuses on the ethical, legal and social issues related to cancer and genomics. The ultimate goal of this research will be to understand how people make sense of and act upon genetic and genomic information related to cancer; to inform the ethical conduct of cancer research involving genetic and genomic information and data; and overall to improve outcomes related to cancer. This FOA utilizes the NIH Research Project Grant (R01) award mechanism.

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

Contact Carol Perry
Phone: (240) 276-6282
perryc@mail.nih.gov
Multiple Institutes, including the National Cancer Institute

Ethical, Legal, and Social Implications (ELSI) of Genomic Research Small Research Grant Program (R03)
PA-14-277

About
The NCI is interested in research that focuses on the ethical, legal and social issues related to cancer and genomics. Examples of topics of particular interest include: research on the anticipated and actual impact of genetic and genomic information; studies on ethical, regulatory and policy challenges in cancer research (such as clinical trials, population based studies) incorporating genetic and genomic technologies; issues raised by the collection, storage and use of biological samples and associated data; studies that incorporate the perspectives of diverse communities, as well as children, older adults and people with disabilities; and studies on models of participant and community engagement or participatory research in cancer research. This FOA utilizes the NIH Small Grant Program (R03) award mechanism.

Period of Support 2 years
Funds/Direct Costs $50,000 direct costs per year
Contact Charlisse Caga-Anan
Phone: (240) 276-6738
charlisse.caga-anan@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)
PA-15-324

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. This FOA utilizes the Research Project Grants (R01) award mechanism.

Period of Support 5 years
Funds/Direct Costs Application budgets are not limited but need to reflect the actual needs of the proposed project
Contact Carol Perry
Phone: (240) 276-6282

Multiple Institutes, including the National Cancer Institute

Discovery of in vivo Chemical Probes (R01)
PAR-14-279

About
This funding opportunity announcement (FOA) intends to support investigators who have interest and capability to join efforts for the discovery of in vivo chemical probes. Emphasis will be placed on projects that provide new insight into important disease targets and processes. Validated hits that are pertinent to the mission of National Cancer Institute (NCI) should be justified in the application as relevant to cancer. The NCI is particularly interested in validated hits for targets that address unmet needs in the prevention, treatment, or diagnosis of cancer. This FOA utilizes the NIH Research Project Grant (R01) award mechanism.

Period of Support 3 years
Funds/Direct Costs Application budgets are not limited but need to reflect the actual needs of the proposed project
Contact Suzanne Forry
Phone: (240) 276-5922
forryscs@mail.nih.gov
Multiple Institutes, including the National Cancer Institute

High Throughput Screening (HTS) to Discover Chemical Probes (R21)
PAR-14-283

About
This funding opportunity announcement (FOA) encourages investigators to form collaborations with an established academic, nonprofit, or commercial high throughput screening (HTS) facility that has the requisite expertise and experience to implement HTS-ready assays for the discovery and development of small molecule chemical probes. The NCI is interested in high throughput screens intended to identify small molecules for use in elucidating molecular, cellular, or in vivo mechanisms or processes of probable or known importance to cancer biology, and for use in developing strategies for cancer prevention, diagnosis, treatment or clinical monitoring of treatment. High throughput screens for targets that address unmet needs in cancer prevention, treatment or diagnosis are encouraged. This FOA utilizes the Exploratory/Developmental Research Grant (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs over entire period of support
Budgetary Notes Up to $200,000 direct costs allowed per year

Contact Suzanne Forry
Phone: (240) 276-5922
forryscs@mail.nih.gov

Multiple Institutes, including the National Cancer Institute

High Throughput Screening (HTS) to Discover Chemical Probes (R01)
PAR-14-284

About
This funding opportunity announcement (FOA) encourages investigators to form collaborations with an established academic, nonprofit, or commercial high throughput screening (HTS) facility that has the requisite expertise and experience to implement HTS-ready assays for the discovery and development of small molecule chemical probes. The National Cancer Institute is interested in high throughput screens intended to identify small molecules for use in elucidating molecular, cellular, or in vivo mechanisms or processes of probable or known importance to cancer biology, and for use in developing strategies for cancer prevention, diagnosis, treatment or clinical monitoring of treatment. High throughput screens for targets that address unmet needs in cancer prevention, treatment or diagnosis are encouraged. This FOA utilizes the Research Project Grant (R01) award mechanism.

Period of Support 3 years
Funds/Direct Costs Application budgets are not limited but need to reflect the actual needs of the proposed project

Contact Carol Perry
Phone: (301) 496-7205
perryc@mail.nih.gov

Multiple Institutes, including the National Cancer Institute

Advancing Interventions to Improve Medication Adherence (R01)
PA-14-334

About
This funding opportunity announcement (FOA) is being issued by the NIH Adherence Network through the Office of Behavioral and Social Sciences Research (OBSSR), with participation from multiple NIH Institutes and Centers. This FOA seeks Research Project Grant (R01) applications that propose interventions to significantly improve medication adherence in individuals. Applications may target medication adherence in the context of treatment for a single illness or chronic condition (e.g., hypertension), to stave off a disease recurrence (e.g., cancer) or for multiple comorbid conditions (e.g., hypertension, diabetes, alcohol use disorders and HIV/AIDS). This FOA utilizes the NIH Research Project Grant (R01) award mechanism.

Period of Support 3 years
Funds/Direct Costs Application budgets are not limited but need to reflect the actual needs of the proposed project

Contact Carol Perry
Phone: (301) 496-7205
perryc@mail.nih.gov

Multiple Institutes, including the National Cancer Institute

Advancing Interventions to Improve Medication Adherence (R21)
PA-14-335
"http://grants.nih.gov/grants/guide/pa-files/PA-14-335.html"

About
This funding opportunity announcement (FOA) encourages applications for research and development of interventions to significantly improve medication adherence in individuals. Applications may target medication adherence in the context of treatment for a single illness or chronic condition (e.g., hypertension), to stave off a disease recurrence (e.g., cancer) or for multiple comorbid conditions (e.g., hypertension, diabetes, alcohol use disorders and HIV/AIDS). The National Cancer Institute (NCI) is interested in basic and applied research in the behavioral, social, and population sciences to create or
enhance interventions that reduce cancer risk, incidence, morbidity and mortality, and improve quality of life. This FOA utilizes the NIH Exploratory/Developmental Research Grant (R21) award mechanism.

**Period of Support** 2 years

**Funds/Direct Costs** $275,000 direct costs for entire period of support

**Budgetary Notes** Up to $200,000 direct costs allowed per year

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

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### Specialized Programs of Research Excellence (SPOREs) in Human Cancers for Years 2015, 2016, and 2017 (P50)

PAR-14-353  

#### About
This funding opportunity announcement (FOA) invites applications for (P50) Research Center Grants for Specialized Programs of Research Excellence (SPOREs). The program will fund (P50) SPORE grants to support state-of-the-art investigator-initiated translational research that will contribute to improved prevention, early detection, diagnosis, and treatment of an organ-specific cancer (or a related group of cancers). SPOREs are expected not only to conduct a wide spectrum of research activities, but also to contribute significantly to the development of specialized shared resources core facilities, improved research model systems, and collaborative research projects with other institutions. The research supported through this program must be translational in nature and must always be focused upon knowledge of human biology stemming from research using cellular, molecular, structural, biochemical, and/or genetic experimental approaches with the goal of a translational human endpoint within the project period of the grant. This FOA utilizes the NIH Specialized Center (P50) award mechanism.

**Period of Support** 5 years

**Funds/Direct Costs** $2.3M total costs per year

**Contact** Toby Hecht  
Phone: (301) 496-8528  
hecht@nih.gov

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### Multiple Institutes, including the National Cancer Institute

#### Spatial Uncertainty: Data, Modeling, and Communication (R01)

PA-15-010  

#### About
The purpose of this funding opportunity announcement (FOA) is to support innovative research that identifies sources of spatial uncertainty (i.e., inaccuracy or instability of spatial or geographic information) in public health data, incorporates the inaccuracy or instability into statistical methods, and develops novel tools to visualize the nature and consequences of spatial uncertainty. The National Cancer Institute (NCI) is interested in general methodology of spatial statistical models and visualization tools that are applicable to disease control and prevention especially as related to cancer and cancer patients. This FOA utilizes the NIH Research Project Grant (R01) award mechanism.

**Period of Support** 5 years

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

**Contact** Li Zhu  
Phone: (240) 276-6851  
li.zhu@nih.gov

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### Multiple Institutes, including the National Cancer Institute

#### Academic-Industrial Partnerships for Translation of Technologies for Cancer Diagnosis and Treatment (R01)

PAR-15-075  
National Cancer Institute (NCI) invites applications from research partnerships formed by academic and industrial investigators, to accelerate the translation of technologies, methods, assays or devices, and/or systems for preclinical or clinical molecular diagnosis or in vitro imaging that are designed to solve a targeted cancer problem. The proposed systems may include molecular diagnosis, molecular imaging or related research resources. Funding may be requested to enhance, adapt, optimize, validate, and otherwise translate the following examples, among others: (a) current commercially supported systems, (b) next generation systems, (c) quality assurance and quality control, (d) validation and correlation studies, (e) quantitative imaging, and (f) related research resources. This FOA does not intend to support either actual commercial production or basic research projects that do not emphasize translation. This FOA will utilize the NIH Research Project (R01) award mechanism.

**Period of Support** 5 years

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

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

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The goal of this interagency funding opportunity announcement (FOA) is to support the development of multiscale models to accelerate biological, biomedical, behavioral, environmental and clinical research. This FOA supports the development of non-standard modeling methods and experimental approaches to facilitate multiscale modeling, and active participation in community-driven activities through the Multiscale Modeling (MSM) Consortium. The National Cancer Institute (NCI) is interested in supporting the development of predictive multiscale models of cancer processes. This FOA utilizes the NIH Research Project – Cooperative Agreements (U01) award mechanism.

**Period of Support** 5 years

**Funds/Direct Costs** $500,000 direct costs per year

**Contact** Carol Perry  
Phone: (240) 276-6282  
perryc@mail.nih.gov

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The purpose of this funding opportunity announcement (FOA) is to improve the development and validation of molecular diagnostics for the treatment, control, or prevention of cancer. The UH2 phase of this FOA supports analytical validation of assays for these markers that must be achieved within two years before an assay may undergo clinical validation. The UH3 phase of this FOA supports the clinical validation of established assays for up to three years using specimens from retrospective or prospective studies from NCI-supported or other clinical trials. In both the UH2 and UH3 phases, clinical laboratory staff, technical and other needs must be an integral part of the application. Investigators responding to this FOA must address both UH2 and UH3 phases. This FOA will utilize the NIH Phase Cooperative Agreement (UH2/UH3) award mechanism.

**Period of Support** 2 years (UH2) and 3 years (UH3)

**Funds/Direct Costs** $270,000 (UH2) and $250,000 (UH3) direct costs

**Contact** Magdalena Thurin  
Phone: (240) 276-5973  
thurinm@mail.nih.gov

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The purpose of this funding opportunity announcement (FOA) is to improve the development and validation of molecular diagnostics for the treatment, control, or prevention of cancer. This FOA includes, but is not limited to, the validation of prognostic, predictive or response markers for treatment and markers for cancer control or prevention trials. Applicants to this FOA must have an assay whose performance has been analytically validated within specimens similar to those for the intended clinical use of the assay and marker. This FOA utilizes the NIH Exploratory/Developmental Cooperative Agreement Phase II (UH3) award mechanism.

**Period of Support** 3 years

**Funds/Direct Costs** $250,000 direct costs per year

**Contact** Magdalena Thurin  
Phone: (240) 276-5973  
thurinm@mail.nih.gov

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The National Cancer Institute (NCI) invites applications for the development and validation of molecular diagnostics for the treatment, control, or prevention of cancer. This FOA includes, but is not limited to, the validation of prognostic, predictive or response markers for treatment and markers for cancer control or prevention trials. Applicants to this FOA must have an assay whose performance has been analytically validated within specimens similar to those for the intended clinical use of the assay and marker. This FOA utilizes the NIH Exploratory/Developmental Cooperative Agreement Phase II (UH3) award mechanism.

**Period of Support** 3 years

**Funds/Direct Costs** $250,000 direct costs per year

**Contact** Magdalena Thurin  
Phone: (240) 276-5973  
thurinm@mail.nih.gov

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

**Predictive Multiscale Models for Biomedical, Biological, Behavioral, Environmental and Clinical Research (U01)**

**PAR-15-085**


**About**

The goal of this interagency funding opportunity announcement (FOA) is to support the development of multiscale models to accelerate biological, biomedical, behavioral, environmental and clinical research. This FOA supports the development of non-standard modeling methods and experimental approaches to facilitate multiscale modeling, and active participation in community-driven activities through the Multiscale Modeling (MSM) Consortium. The National Cancer Institute (NCI) is interested in supporting the development of predictive multiscale models of cancer processes. This FOA utilizes the NIH Research Project – Cooperative Agreements (U01) award mechanism.

**Period of Support** 5 years

**Funds/Direct Costs** $500,000 direct costs per year

**Contact** Carol Perry  
Phone: (240) 276-6282  
perryc@mail.nih.gov

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

**Assay Validation for High Quality Markers for NCI-Supported Clinical Trials (UH2/UH3)**

**PAR-15-095**


**About**

The purpose of this funding opportunity announcement (FOA) is to improve the development and validation of molecular diagnostics for the treatment, control, or prevention of cancer. The UH2 phase of this FOA supports analytical validation of assays for these markers that must be achieved within two years before an assay may undergo clinical validation. The UH3 phase of this FOA supports the clinical validation of established assays for up to three years using specimens from retrospective or prospective studies from NCI-supported or other clinical trials. In both the UH2 and UH3 phases, clinical laboratory staff, technical and other needs must be an integral part of the application. Investigators responding to this FOA must address both UH2 and UH3 phases. This FOA will utilize the NIH Phase Cooperative Agreement (UH2/UH3) award mechanism.

**Period of Support** 2 years (UH2) and 3 years (UH3)

**Funds/Direct Costs** $270,000 (UH2) and $250,000 (UH3) direct costs

**Contact** Magdalena Thurin  
Phone: (240) 276-5973  
thurinm@mail.nih.gov

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

**Assay Validation for High Quality Markers for NCI-Supported Clinical Trials (UH3)**

**PAR-15-096**


**About**

The purpose of this funding opportunity announcement (FOA) is to improve the development and validation of molecular diagnostics for the treatment, control, or prevention of cancer. This FOA includes, but is not limited to, the validation of prognostic, predictive or response markers for treatment and markers for cancer control or prevention trials. Applicants to this FOA must have an assay whose performance has been analytically validated within specimens similar to those for the intended clinical use of the assay and marker. This FOA utilizes the NIH Exploratory/Developmental Cooperative Agreement Phase II (UH3) award mechanism.

**Period of Support** 3 years

**Funds/Direct Costs** $250,000 direct costs per year

**Contact** Magdalena Thurin  
Phone: (240) 276-5973  
thurinm@mail.nih.gov

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**Multiple Institutes, including the National Cancer Institute**
Early-life Factors and Cancer Development Later in Life (R01)
PA-15-126

**About**
The purpose of this funding opportunity announcement (FOA) is to stimulate research focused on the role of early life factors in cancer development later in life. Studies proposed in response to this announcement should focus on human studies, but may incorporate supporting animal models, especially in elucidating mechanisms relevant in humans. Human studies can be new, but applicants are encouraged to take advantage of existing resources such as from prospective studies, including birth cohort studies, case-control studies and databases to utilize data and biological specimens to test hypotheses. This FOA utilizes the Research Project Grant (R01) award mechanism.

**Period of Support**  5 years

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

**Contact**  Somdat Mahabir  
Phone:  (240) 276-6941  
mahabir@mail.nih.gov

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Multiple Institutes, including the National Cancer Institute

Early-life Factors and Cancer Development Later in Life (R03)
PA-15-124

**About**
The purpose of this funding opportunity announcement (FOA) is to stimulate research focused on the role of early life factors in cancer development later in life. Given that current emerging evidence from limited research indicates a potentially important role for early-life events and exposures in cancer development, it is necessary to better understand 1) the early-life (maternal-paternal, in utero, birth and infancy, puberty and adolescence, and teenage and young adult years) factors that are associated with later cancer development; 2) how early-life factors mediate biological processes relevant to carcinogenesis; and 3) whether predictive markers for cancer risk based on what happens biologically at early-life can be measured and developed for use in cancer prevention strategies. This FOA utilizes the Small Grant Program (R03) award mechanism.

**Period of Support**  2 years

**Funds/Direct Costs**  $100,000 direct costs over entire period of support

**Budgetary Notes**  Up to $50,000 direct costs allowed per year

**Contact**  Somdat Mahabir  
Phone:  (240) 276-6941  
mahabir@mail.nih.gov

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National Institutes of Health

Alcohol Impairment of Immune Function, Host Defense, and Tissue Homeostasis (R01)
PA-15-159

**About**
National Institute on Alcohol Abuse and Alcoholism (NIAAA) invites applications from researchers with broad expertise to study the consequences of alcohol consumption on immune function with a goal toward improving the outcome of patients who abuse alcohol. Research topics of interest include, but are not limited to, the following: Characterization and mechanistic investigation of alcohol-induced immune dysfunctions; Characterization of the intracellular and extracellular milieu in infection, disease, cancer and co morbid settings using high throughput methodologies such as systems biology, histoimmunological or histochemical approaches. Collaborations among multiple laboratories with complementary expertise are strongly encouraged; and Translational research on pharmacological or nutritional remedies of alcohol-induced immune dysfunction to increase the resistance to alcohol-associated infection and to ameliorate or reverse alcohol-induced pathogenesis.

**Period of Support**  5 years

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

**Contact**  Roberto Flores  
Phone:  (240) 276-7119  
floresr2@mail.nih.gov
comprehensive understanding of alcohol-induced immune dysfunctions and the underlying mechanisms is critical for developing effective diagnostic, preventive, and treatment approaches. This FOA will use the NIH Research Project (R01) award mechanism.

**Period of Support** 5 years

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

**Contact** M. Katherine Jung  
**Phone:** (301) 443-8744  
**Email:** jungma@mail.nih.gov

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The National Cancer Institute is interested in the role of cannabinoids and the endocannabinoid system in the treatment of metastatic bone pain, chemotherapy induced peripheral neuropathy, and aromatase inhibitor arthralgias. This FOA utilizes the Research Project Grant (R01) award mechanism.

**Period of Support** 4 years

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

**Contact** Ann O'Mara  
**Phone:** (240) 276-7050  
**Email:** omaraa@mail.nih.gov

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**National Cancer Institute**  
**Research Answers to NCI's Provocative Questions (PQ) (R01)**


**About**
The purpose of this funding opportunity announcement (FOA) is to support research projects designed to solve specific problems and paradoxes in cancer research identified by the National Cancer Institute (NCI) Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCI's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. This FOA will utilize the Research Project (R01) award mechanism.

**Period of Support** 5 years

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

**Contact** Emily Greenspan  
**Phone:** (301) 496-1045  
**Email:** greenspanej@mail.nih.gov

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**Multiple Institutes, including the National Cancer Institute**  
**Early Stage Development of Technologies in Biomedical Computing, Informatics, and Big Data Science (R43/R44)**


**About**
This funding opportunity announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose development of a broad base of innovative technologies in biomedical computing, informatics, and Big Data Science that will support rapid progress in areas of scientific opportunity in biomedical research. Major themes of research include collaborative environments; data integration; analysis and modeling methodologies; and novel computer science and statistical approaches. This FOA utilizes the Small Business Innovation Research (SBIR) Grant - Phase I, Phase II, and Fast Track (R43/R44) award mechanism.

**Period of Support** 6 mo (phase I) or 2 years (phase II)

**Funds/Direct Costs** $150,000 (phase I) or $1M (phase II) total costs for entire period of support

**Contact** Jonathan Franca-Koh  
**Phone:** (240) 276-7622  
**Email:** jonathan.franca-koh@nih.gov

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**Multiple Institutes, including the National Cancer Institute**  
**Turkey-US Collaborative Program for Affordable Medical Technologies**

PAR-15-276  
About
This funding opportunity announcement (FOA) invites applications from research partnerships formed between U.S. and Turkish scientists to aid the development of appropriate affordable diagnostic and therapeutic technologies to address medical needs in low-middle resource settings. Funding may be requested to enhance, adopt, validate, and translate so that the technologies can accomplish cancer risk assessment, screening, detection, diagnosis, treatment or monitor treatment related outcomes. This FOA utilizes the Research Project Grant (R01) mechanism.

Period of Support 2 years
Funds/Direct Costs $100,000 direct costs per year
Contact Miguel Ossandon
  Phone: (240) 276-5714
  ossandom@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Harnessing Big Data to Halt HIV (R01)
PA-15-273

About
The purpose of the funding opportunity announcement (FOA) is to promote innovative research using Big Data Science (BDS) to understand the complex and substantially interrelated factors that place persons at risk of HIV infection and that influence their HIV treatment course. NIH is interested in promoting and applying Big Data Science technologies, computing, informatics, and analytics to address gaps in our understanding of HIV transmission risks, social networks, and the HIV treatment continuum including comorbidities such as cancer. This FOA utilizes the Research Project Grant (R01) award mechanism.

Period of Support 5 years
Funds/Direct Costs Application budgets are not limited but need to reflect the actual needs of the proposed project
Contact Geraldina Dominguez
  Phone: (301) 496-3204
domingug@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Multidisciplinary Studies of HIV/AIDS and Aging (R03)
PAR-15-281

About
This funding opportunity announcement (FOA) invites applications proposing to study HIV infection, HIV-associated conditions, HIV treatment, and/or biobehavioral or social factors associated with HIV/AIDS in the context of aging and/or in older adults. Research approaches of interest include clinical translational, observational, and intervention studies in domestic and international settings. NCI as a participating institute seeks to foster research studies to help understand how aging in the presence of chronic HIV infection affects the risk, spectrum and biology of cancer (AIDS-defining and non-AIDS-defining cancers). This FOA utilizes the Small Grant Program (R03) award mechanism.

Period of Support 2 years
Funds/Direct Costs $50,000 direct costs per year
Contact Geraldina Dominguez
  Phone: (301) 496-3204
domingug@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Revision Applications for Assay Validation For High Quality Markers For NCI-Supported Clinical Trials (U10)
PAR-16-056

About
This funding opportunity announcement (FOA) seeks to improve the development of molecular diagnostics for use in NCI-supported clinical trials in cancer. This FOA includes, but is not limited to, the validation of prognostic, predictive or response markers for treatment and markers for cancer control or prevention trials. Applicants should have an assay that has essentially completed analytical validation in human samples and whose importance is well justified for development into a clinical assay. Support through this Revision is to enhance the clinical validation of established assays with little further analytical validation required. Support may be sought to obtain retrospective or prospective specimens from NCI-supported or other clinical trials. This FOA utilizes the Cooperative Clinical Research – Cooperative Agreements (U10) award mechanism.

Period of Support Time remaining on parent grant or 2 years
Funds/Direct Costs $150,000 direct costs per year
Contact Magdalena Thurin
  Phone: (240) 276-5973
thurinm@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Global Noncommunicable Diseases and Injury Across the Lifespan: Exploratory Research (R21)
PAR-16-052
About
This funding opportunity announcement (FOA) supports planning, design and initial pilots for locally relevant and catalytic research on non-communicable diseases (NCDs) or injury in low and middle-income countries (LMICs). Research addressing multiple NCDs and their risk factors and research addressing NCDs as comorbidities for/with infectious diseases including HIV/AIDS is encouraged. Scientists in the United States (U.S.) or upper middle income countries (UMICs) are eligible to partner with scientists in LMIC institutions. This FOA utilizes the Exploratory/Developmental Grant (R21) award mechanism.

Period of Support
2 years

Funds/Direct Costs
$125,000 direct costs per year

Contact
Damali Martin
Phone: (240) 276-6746
martinda@mail.nih.gov

Multiple Institutes, including the National Cancer Institute

Direct Phase II SBIR Grants to Support Work in Biomedical Computing, Informatics, and Big Data Science (R44)
PAR-15-288

About
This funding opportunity announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose the extended development, maintenance, testing, evaluation, hardening and dissemination of existing biomedical software. This FOA is for applications that have completed the proof of concept Phase I stage-type of research through other (non-SBIR) funding sources. The NIH is interested in promoting a broad base of research and development of a broad base of innovative technologies in biomedical computing, informatics, and Big Data Science that will support rapid progress in areas of scientific opportunity in biomedical research. This FOA utilizes the Small Business Innovation Research (SBIR) Grant - Phase II only (R44) award mechanism.

Funds/Direct Costs
$1.5M total costs for entire period of support

Budgetary Notes
2 years

Contact
Jonathan Franca-Koh
Phone: (240) 276-7622
jonathan.franca-koh@nih.gov

Multiple Institutes, including the National Cancer Institute

SBIR Technology Transfer (R43/R44)
PA-15-354

About
This funding opportunity announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) for projects to transfer technology out of the NIH intramural research labs into the private sector. If selected for SBIR funding, the SBC will be granted a royalty-free, non-exclusive patent license agreement for internal research use for the term of and within the field of use of the SBIR award to technologies held by NIH with the intent that the SBC will develop the invention into a commercial product to benefit the public. This FOA utilizes the Small Business Innovation Research (SBIR) Grant - Phase I, Phase II, and Fast-Track I award mechanism.

Funds/Direct Costs
$225,000 (phase I) and $1.5M (phase II) total costs for entire period of support

Budgetary Notes
2 years

Contact
Crystal Wolfrey
Phone: (240) 276-6277
wolfreyC@mail.nih.gov

National Cancer Institute

Physical Activity and Weight Control Interventions Among Cancer Survivors: Effects on Biomarkers of Prognosis and Survival (R21)
PA-15-310

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. Applications should use experimental designs (e.g., randomized controlled clinical trials (RCTs), fractional factorial designs), and will require transdisciplinary approaches that bring together behavioral intervention expertise, cancer biology, and other basic and clinical science disciplines relevant to the pathways being studied. This FOA utilizes the Exploratory/Developmental Research Grant (R21) award mechanism.

Period of Support
2 years

Funds/Direct Costs
$275,000 direct costs for entire period of support

Budgetary Notes
Up to $200,000 direct costs allowed per year

Contact
Frank Perna
Phone: (240) 276-6782
pernafm@mail.nih.gov

National Cancer Institute

Oncology Co-Clinical Imaging Research Resources to Encourage Consensus on Quantitative Imaging Methods and Precision

SCCC Research Administration NIH-NCI Newsletter Page 20 of 42
About
The purpose of this Funding Opportunity Announcement (FOA) is to invite Cooperative Agreement applications to develop research resources that will encourage a consensus on how Quantitative Imaging (QI) methods are optimized to improve the quality of imaging results for co-clinical trials. Applicants are encouraged to organize multidisciplinary teams with experience in mouse models research, human investigations, imaging platforms, QI methods, decision support software and informatics to populate the research resource. This FOA utilizes the Resource-Related Projects - Cooperative Agreements (U24) award mechanism.

Period of Support 5 years
Funds/Direct Costs $500,000 direct costs per year
Contact Huiming Zhang
Phone: (240) 276-5979
zhanghui@mail.nih.gov

National Cancer Institute
NCI Mentored Patient-Oriented Research Career Development Award to Promote Diversity (K23)
PAR-16-399

About
The NCI's Diversity Training Branch (DTB) and the Center to Reduce Cancer Health Disparities (CRCHD) announce the availability of the "Mentored Patient-Oriented Research Award to Promote Diversity" for career development of individuals with a health professional doctoral degree from groups currently underrepresented on a national level in the biomedical, clinical, behavioral, and social sciences. The NCI recognizes a unique and compelling need to promote diversity in the patient-oriented research workforce. This FOA utilizes the Mentored Patient-Oriented Research Career Development Award to Promote Diversity (K23) award mechanism.

Period of Support 5 years
Funds/Direct Costs $100,000 direct costs per year
Budgetary Notes 8% indirect costs allowed
Contact John Ojeifo
Phone: (240) 276-6186
ojeifojo@mail.nih.gov

National Cancer Institute
NCI Mentored Clinical Scientist Research Career Development Award to Promote Diversity (K08)
PAR-16-400
"http://grants.nih.gov/grants/guide/pa-files/PAR-16-400.html"

About
The purpose of the NCI Mentored Clinical Scientist Career Development Award (K08) program is to prepare individuals for careers that have a significant impact on the health-related research needs of the nation. The NCI-sponsored K08 award is specifically designed to promote career development of clinical scientists from diverse backgrounds that have been shown to be underrepresented in health-related science and for those who are committed to a career in basic biomedical, behavioral or translational cancer research, including research on cancer health disparities. This FOA utilizes the Clinical Investigator (CIA) (K08) award mechanism.

Period of Support 5 years
Funds/Direct Costs $130,000 direct costs per year
Budgetary Notes 8% indirect costs allowed
Contact Claire Zhu
Phone: (240) 276-7013
zhucla@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Research Infrastructure Development for Interdisciplinary Aging Studies (R21/R33)
About
This FOA invites applications that propose to develop novel research infrastructure that will advance the science of aging in specific areas requiring interdisciplinary partnerships or collaborations. This FOA will use the NIH Phased Innovation Award (R21/R33) mechanism to provide up to 2 years of R21 support for initial developmental activities, and up to 3 years of R33 support for expanded activities. Through this award, investigators will develop a sustainable research infrastructure to support projects that address key interdisciplinary aging research questions. This FOA utilizes the Phased Innovation (R21/R33) award mechanism.

Period of Support
2 years (R21) and 3 years (R33)

Funds/Direct Costs
$275,000 (R21) and $500,000 (R33)
direct costs per year

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

National Cancer Institute
Early-Stage Development of Informatics Technologies for Cancer Research and Management (U01)
PAR-15-332

About
National Cancer Institute (NCI) invites applications for the development of enabling informatics technologies to improve the acquisition, management, analysis, and dissemination of data and knowledge across the cancer research continuum, including cancer biology, cancer treatment and diagnosis, cancer prevention, cancer control and epidemiology, and/or cancer health disparities. As a component of the NCI's Informatics Technology for Cancer Research (ITCR) Program, this FOA focuses on early-stage development from prototyping to hardening and adaptation. In order to be successful, proposed development plans must have a clear rationale on why the proposed technology is needed and how it will benefit the cancer research field. This FOA will use the NIH Research Project - Cooperative Agreements (U01) award mechanism.

Period of Support
3 years

Funds/Direct Costs
$300,000 direct costs per year

Contact
Juli Klemm  
Phone: (301) 480-5778  
juli.klemm@nih.gov

National Cancer Institute
Advanced Development of Informatics Technologies for Cancer Research and Management (U24)
PAR-15-331

About
National Cancer Institute (NCI) invites applications or the development of innovative methods and algorithms in biomedical computing, informatics, and data science addressing priority needs across the cancer research continuum, including cancer biology, cancer treatment and diagnosis, cancer prevention, cancer control and epidemiology, and/or cancer health disparities. As a component of the NCI's Informatics Technology for Cancer Research (ITCR) Initiative, this FOA encourages applications focused on the development of novel computational, mathematical, and statistical algorithms and methods that can considerably improve acquisition, management, analysis, and dissemination of relevant data and/or knowledge. In order to be successful, the proposed informatics method or algorithm must have a clear rationale on why it is novel and how it will benefit the cancer research field. This FOA utilizes the Exploratory/Developmental Research Grant (R21) award mechanism.

Period of Support
2 years

Funds/Direct Costs
$275,000 direct costs over entire period of support

Budgetary Notes
Up to $200,000 total costs allowed per year

Contact
Juli Klemm  
Phone: (301) 480-5778  
juli.klemm@nih.gov

National Cancer Institute
Sustained Support for Informatics Resources for Cancer Research and Management (U24)
**About**
The purpose of this funding opportunity announcement (FOA) is to invite Cooperative Agreement (U24) applications for the continued development and sustainment of high-value informatics research resources to serve current and emerging needs across the cancer research continuum including cancer biology, cancer treatment and diagnosis, cancer prevention, cancer control and epidemiology, and/or cancer health disparities. The central mission of ITCR is to promote research-driven informatics technology across the development lifecycle to address priority needs in cancer research. In order to be successful, the proposed sustainment plan must provide clear justifications for why the research resource should be maintained and how it has benefited and will continue to benefit the cancer research field. This FOA utilizes the Resource-Related Research Projects - Cooperative Agreements (U24) award mechanism.

**Period of Support** 5 years

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

**Contact** Juli Klemm  
Phone: (301) 480-5778  
juli.klemm@nih.gov

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

**Improving Outcomes in Cancer Treatment-Related Cardiotoxicity (R01)**

**PA-16-035**


**About**
National Cancer Institute (NCI) and National Heart, Lung, and Blood Institute (NHLBI) invite 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. Research applications should focus on mitigation/management of adverse effects associated with anti-cancer treatments including: cytotoxic chemotherapies, targeted agents, immunomodulatory therapies and radiation (that occur during cancer treatment and/or long-term survivorship) as defined by cardiac specific common terminology criteria for adverse events (CTCAE). This FOA will utilize the NIH Research Project (R01) award mechanism.

**Period of Support** 2 years

**Funds/Direct Costs** Up to $200,000 direct costs allowed per year

**Budgetary Notes**
Up to $200,000 direct costs allowed per year

**Contact** Nonniekaye Shelburne  
Phone: (240) 276-6897  
nshelburne@mail.nih.gov

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**National Cancer Institute**

**Small-Cell Lung Cancer (SCLC) Consortium: Therapeutic Development and Mechanisms of Resistance (U01)**

**PA-16-049**


**About**
National Cancer Institute (NCI) invites applications to establish research teams of the Small-Cell Lung Cancer (SCLC) Consortium to conduct research whose overall goals are: 1) to improve SCLC therapeutics, focusing on understanding how the molecular vulnerabilities of this cancer could be used to develop targeted agent combinations; and/or, 2) to gain a better understanding of the rapid development of clinical resistance to drug and radiation therapy. The research supported by this FOA will be performed by individual research teams who are expected to collaborate with one another and with a central SCLC Coordinating Center. This program will use the NIH Research Project Cooperative Agreements (U01) award mechanism.

**Period of Support** 5 years

**Funds/Direct Costs** $450,000 direct costs per year

**Contact** Suzanne Forry
**National Cancer Institute**

**Small-Cell Lung Cancer (SCLC) Consortium: Innovative Approaches to the Prevention and Early Detection of Small Cell Lung Cancer (U01)**
PAR-16-051


**About**
National Cancer Institute (NCI) invites applications to establish research teams of the Small-Cell Lung Cancer (SCLC) Consortium to conduct research whose overall goals are: 1) to expand the understanding of the critical molecular changes in the lung that precede the development of frank SCLC and/or, 2) to identify populations at particularly high risk for SCLC. This FOA focuses on one of the five research priorities identified in the National Cancer Institute’s 2014 Scientific Framework for Small Cell Lung Cancer (SCLC). The research supported by this FOA will be performed by individual research teams who are expected to collaborate with one another and with a central SCLC Coordinating Center. A third component of the SCLC Consortium focuses on therapeutic approaches and mechanisms of resistance in SCLC. This program will use the NIH Research Project Cooperative Agreements (U01) award mechanism.

**Period of Support** 5 years

**Funds/Direct Costs** $450,000 direct costs per year

**Contact** Suzanna Forry
Phone: (240) 276-5922
forryscs@mail.nih.gov

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

**Administrative Supplements to NIH Awards for Validation Studies of Analytical Methods for Natural Products (Admin Supp)**
PA-16-048


**About**
In order to support formal validation studies and publication of relevant quantitative analytical chemistry methods, Administrative Supplements to certain active awards administered by the participating ICs are available through this FOA. The methods proposed for validation must be used to identify and quantify chemical constituents (active or marker chemical compounds, adulterants, contaminants, or metabolites thereof) in experimental reagents, raw materials, and/or clinical specimens (for example urine or plasma samples). The NCI Nutritional Science Research Group is particularly interested in validation of quantitative analytical methods for vitamins, minerals, amino acids, putative biologically active botanical constituents, and/or their metabolites, in human or animal specimens that may also be useful indicators of bioavailability, or of particular metabolic, epigenetic, or physiological states. The NCI Cancer Biomarkers Research Group is particularly interested in validation of quantitative analytical methods for...
dietary supplement metabolites in human or animal specimens that may also be useful indicators of particular metabolic, physiological or pathological states. This FOA is an Administrative Supplement.

**Period of Support**  
Dependent on parent award

**Funds/Direct Costs**  
25% of council-approved direct costs or $100,000 for entire period of support

**Contact**  
Nancy Emenaker  
Phone: (240) 276-7026  
enemaken@mail.nih.gov

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**National Cancer Institute**

**Feasibility Studies to Build Collaborative Partnerships in Cancer Research (P20)**

PAR-16-084  
"http://grants.nih.gov/grants/guide/pa-files/PAR-16-084.html"

**About**  
The National Cancer Institute (NCI) invites P20 planning grant applications for a developing collaborative partnership between institutions serving underserved health disparity populations and underrepresented students (ISUPS) and NCI- designated Cancer Centers (or Cancer Centers with highly integrated cancer research programs). This FOA is designed to facilitate the planning and execution of focused collaborations in cancer-related research, research experience, and research education. This FOA utilizes the Exploratory Grants (P20) award mechanism.

**Period of Support**  
4 years

**Funds/Direct Costs**  
$275,000 direct costs for entire period of support

**Contact**  
Behrous Davani  
Phone: (301) 276-6098  
behrous.davani@nih.gov

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**National Cancer Institute**

**Cooperative Agreement to Develop Targeted Agents for Use with Systemic Agents Plus Radiotherapy (U01)**

PAR-16-111  

**About**  
The purpose of this funding opportunity announcement (FOA) is to invite cooperative agreement (U01) applications that propose studies to enhance pre-clinical in vitro and in vivo testing of NCI-prioritized molecularly targeted anti-cancer agents for use with radiation therapy combined with systemic chemotherapy. These studies should generate validated high-quality preclinical data on the effects of molecular therapeutics when added to standard-of-care therapies for solid tumors. This FOA utilizes the Cooperative Agreement (U01) award mechanism.

**Period of Support**  
5 years

**Funds/Direct Costs**  
$450,000 direct costs per year

**Contact**  
Eric Bernhard  
Phone: (240) 276-6390  
bernhardej@mail.nih.gov

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

**Population Health Interventions: Integrating Individual and Group Level Evidence (R01)**

PA-16-146  
"http://grants.nih.gov/grants/guide/pa-files/PA-16-146.html"

**About**  
To improve health and reduce the burden of disease, scientific research needs to be implemented at the population level in addition to the biological and clinical levels. The purpose of this funding opportunity announcement (FOA) is to support multilevel, trans-disciplinary population health interventions that target underlying social, economic, and environmental conditions in an effort to improve health outcomes. This FOA utilizes the Research Project Grant (R01) award mechanism.

**Period of Support**  
5 years

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

**Contact**  
Carol Perry
**Multiple Institutes, including the National Cancer Institute**

**Population Health Interventions: Integrating Individual and Group Level Evidence (R21)**

PA-16-147


**About**

To improve health and reduce the burden of disease, scientific research needs to be implemented at the population level in addition to the biological and clinical levels. The purpose of this funding opportunity announcement (FOA) is to support multilevel, transdisciplinary population health interventions that target underlying social, economic, and environmental conditions in an effort to improve health outcomes. This FOA utilizes the Exploratory/Developmental Research Grant (R21) award mechanism.

**Period of Support** 2 years

**Funds/Direct Costs** $275,000 direct costs for entire period of support

**Budgetary Notes** Up to $200,000 direct costs allowed per year

**Contact** Carol Perry  
Phone: (240) 276-6282  
perryc@mail.nih.gov

**National Cancer Institute**

**Cancer Research Education Grants Program to Promote Diversity - Courses for Skills Development (R25)**

PAR-16-139

"http://grants.nih.gov/grants/guide/pa-files/PAR-16-139.html"

**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 enhance the diversity of the nation's biomedical, behavioral, and clinical research workforce. Applications are encouraged that propose innovative, state-of-the-art programs that address the cause, diagnosis, prevention, and treatment of cancer, rehabilitation from cancer, and the continuing care of cancer patients and the families of cancer patients, as well as the cause and reduction of cancer health disparities in accordance with the overall mission of the NCI. This FOA utilizes the Education Projects (R25) award mechanism.

**Period of Support** 5 years

**Funds/Direct Costs** $300,000 direct costs per year

**Contact** Davyd Chung  
Phone: (240) 276-6921  
davyd.chung@nih.gov

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

**Cancer Research Education Grants Program to Promote Diversity - Research Experiences (R25)**

PAR-16-138


**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 enhance the diversity of the nation's biomedical, behavioral, and clinical research workforce. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Research Experiences. Applications are encouraged that propose innovative, state-of-the-art programs that address the cause, diagnosis, prevention, and treatment of cancer, rehabilitation from cancer, and the continuing care of cancer patients and the families of cancer patients, as well as the cause and reduction of cancer health disparities in accordance with the overall mission of the NCI. This FOA will utilize the Education Projects (R25) award mechanism.

**Period of Support** 5 years

**Funds/Direct Costs** $300,000 direct costs per year

**Contact** Davyd Chung

**Physical Activity and Weight Control Interventions Among Cancer Survivors: Effects on Biomarkers of Prognosis and Survival (R01)**

PAR-16-122


**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. This FOA utilizes the Research Project Grant (R01) award mechanism.

**Period of Support** 5 years

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

Physical Activity and Weight Control Interventions Among Cancer Survivors: Effects on Biomarkers of Prognosis and Survival (R21)
PAR-16-123
"http://grants.nih.gov/grants/guide/pa-files/PAR-16-123.html"

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. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs for entire period of support
Budgetary Notes

Contact Frank Perna
Phone: (240) 276-6782
pernafm@mail.nih.gov

Multiple Institutes, including the National Cancer Institute

Diet and Physical Activity Assessment Methodology (R01)
PA-16-167

About

This funding opportunity announcement (FOA) encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted under this FOA are encouraged to include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including children and older adults; improved technology or applications of existing technology; statistical methods/modeling to improve assessment and/or to correct for measurement errors or biases; methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

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

Contact Amy Subar
Phone: (301) 594-0831
subara@mail.nih.gov

National Cancer Institute

Obesity Policy Evaluation Research (R01)
PA-16-165
"http://grants.nih.gov/grants/guide/pa-files/PA-16-165.html"

About

This funding opportunity announcement (FOA) encourages applications that propose to evaluate policies or large scale programs that are expected to influence obesity related behaviors (e.g., dietary intake, physical activity, or sedentary behavior) and/or weight outcomes have the potential to prevent or reduce rates of obesity. The National Cancer Institute is particularly interested in the evaluation of programs or policies that may affect dietary or physical activity behavior and/or weight, and studies incorporating economic research. This FOA utilizes the Research Project Grant (R01) award mechanism.

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

Contact Carol Perry
Phone: (240) 276-6282
perryc@mail.nih.gov

Integrating Biospecimen Science Approaches into Clinical Assay Development (U01)
PAR-16-166
"http://grants.nih.gov/grants/guide/pa-files/PAR-16-166.html"

About

This funding opportunity announcement (FOA) will support extramural research to investigate and mitigate challenges facing clinical assay development due to biopsy biospecimen preanalytical variability. The program will tie in with current efforts to optimize clinical biomarker assays utilized in NCI-sponsored clinical trials. Results from this research program will improve the understanding of how biopsy collection, processing, and storage procedures may affect all aspects of analytical performance for current and emerging clinical biomarkers, as well as expedite clinical biomarker assay development through the evidence-based standardization of biopsy handling practices. Critical information gained through these research awards may...
increase the reliability of clinical biomarker assays, reduce time requirements for assay development, and decrease assay failure during late-stage testing. This FOA utilizes the Research Project - Cooperative Agreements (U01) award mechanism.

**Period of Support** 5 years

**Funds/Direct Costs** $250,000 direct costs per year

**Contact** Abhi Rao  
**Phone:** (240) 276-5715  
abi.roa@nih.gov

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**National Cancer Institute**

**Exploratory Grants in Cancer Epidemiology and Genomics Research (R21)**

PA-16-175

"http://grants.nih.gov/grants/guide/pa-files/PA-16-175.html"

**About**

This funding opportunity announcement (FOA) invites applications for research on cancer epidemiology, genomics, and risk assessment. 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 cancer research, such as improving epidemiologic study data collection; validating measurement of exposures in body fluids and tissues; applying epigenetic or metabolomic approaches to cancer epidemiology research; developing and applying novel strategies for discovery of risk variants for rare cancers; understanding the population genetic architecture of cancer in understudied populations; or validating methods to extract, collect, and synthesize clinical data via electronic medical records for use in observational studies of cancer patients and survivors. This FOA utilizes the Exploratory/Developmental Research Grant (R21) award mechanism.

**Period of Support** 2 years

**Funds/Direct Costs** $275,000 direct costs for entire period of support

**Budgetary Notes** Up to $200,000 direct costs allowed per year

**Contact** Carol Perry  
**Phone:** (240) 276-6282  
perryc@mail.nih.gov

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**National Cancer Institute**

**Pilot and Feasibility Studies Evaluating the Role of RNA Modifications (the ‘epitranscriptome’) in Cancer Biology (R21)**

PA-16-177

"http://grants.nih.gov/grants/guide/pa-files/PA-16-177.html"

**About**

This funding opportunity announcement (FOA) encourages basic research into the role of RNA chemical modifications and their corresponding writers, readers and erasers in the initiation and progression of cancer. Chemical modifications of RNA bases have been reported to regulate the fate and function of both coding and noncoding RNAs and are emerging as a critical element of post-transcriptional gene regulation. This FOA supports investigation of novel scientific ideas or new model systems, tools or technologies that have the potential for significant impact on biomedical or biobehavioral research. This FOA utilizes the Exploratory/Developmental Research Grant (R21) award mechanism.

**Period of Support** 2 years

**Funds/Direct Costs** $275,000 direct costs for entire period of support

**Budgetary Notes** Up to $200,000 direct costs allowed per year

**Contact** Jennifer Strasburger  
**Phone:** (240) 276-6230  
strasbuj@mail.nih.gov

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**National Cancer Institute**

**NCI Clinical and Translational Exploratory/Developmental Studies (R21)**

PAR-16-176


**About**

This funding opportunity announcement (FOA) supports the development of new exploratory research in cancer diagnosis, treatment, imaging, symptom/toxicity, and prevention clinical trials; correlative studies associated with clinical trials; novel cancer therapeutic, symptom/toxicity, and preventive agent development, radiotherapy development activities, and mechanism-driven combinations; and innovative preclinical studies—including the use of new clinically-relevant models and imaging technologies—which could lead to first-in-human clinical trials. This FOA utilizes the Exploratory/Developmental Grant (R21) award mechanism.

**Period of Support** 2 years

**Funds/Direct Costs** $275,000 direct costs for entire period of support

**Budgetary Notes** Up to $200,000 direct costs allowed per year

**Contact** William Timmer  
**Phone:** (240) 276-6390  
william.timmer@nih.gov

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

**Tools for Cell Line Indentification (SBIR [R43/R44])**

PA-16-186

**About**

This funding opportunity announcement (FOA) is intended to address the problem of misidentified cell lines. This FOA will support SBIR projects to improve existing technologies, and/or develop novel, reliable, and cost effective tools that will make it easier for researchers to confirm the identity and/or sex of the cells that they use in their work.

Applications for support of research and development of particular types of complex technologies that require funding levels and durations beyond those reflected in standard SBIR guidelines are encouraged, as are multi-PD/PI applications, including multi-PD/PI applications that arise from academic-industrial partnerships. This FOA utilizes the Small Business Innovation Research (SBIR) Grant - Phase I, Phase II, and Fast-Track (R43/R44) award mechanism.

**Period of Support**

6 months (Phase I) and 2 years (Phase II)

**Funds/Direct Costs**

$150,000 (Phase I) and $1M (Phase II) total costs

**Contact**

Jonathan Franca-Koh
Phone: (240) 276-7622
francakohjc@mail.nih.gov

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

**Mentored Clinical Scientist Research Career Development Award (Parent K08)**

PA-16-191


**About**

The primary purpose of the NIH Mentored Clinical Scientist Research Career Development Awards (K08) program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This program represents the continuation of a long-standing NIH program that provides support and “protected time” to individuals with a clinical doctoral degree for an intensive, supervised research career development experience in the fields of biomedical and behavioral research, including translational research. Individuals with a clinical doctoral degree interested in pursuing a career in patient-oriented research should refer to the NIH Mentored Patient-Oriented Research Career Development Award (Parent K23). This FOA utilizes the Clinical Investigator Award (K08) mechanism.

**Period of Support**

5 years

**Funds/Direct Costs**

$130,000 direct costs per year

**Budgetary Notes**

8% indirect costs allowed

**Contact**

Grants Info
Phone: (240) 276-7622
francakohjc@mail.nih.gov

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

**Mentored Patient-Oriented Research Career Development Award (Parent K23)**

PA-16-198


**About**

The purpose of the NIH Mentored Patient-Oriented Research Career Development Award (K23) is to support the career development of individuals with a clinical doctoral degree who have made a commitment to focus their research endeavors on patient-oriented research. Individuals with a clinical degree who are interested in further career development in biomedical research other than patient-oriented research should refer to the Mentored Clinical Scientist Career Development (Parent K08) Award. This FOA utilizes the Mentored Patient-Oriented Research Career Development Award (K23) mechanism.

**Period of Support**

5 years

**Funds/Direct Costs**

$130,000 (K99 Phase) and $249,000 (R00 Phase) direct costs

**Budgetary Notes**

8% indirect costs allowed

**Contact**

Grants Info
Phone: (240) 276-7622
francakohjc@mail.nih.gov

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

**Academic Research Enhancement Award (Parent R15)**

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PA-16-200


About
The purpose of the Academic Research Enhancement Award (AREA) program is to stimulate research in educational institutions that provide baccalaureate or advanced degrees for a significant number of the Nation's research scientists, but that have not been major recipients of NIH support. AREA grants create opportunities for scientists and institutions otherwise unlikely to participate extensively in NIH research programs to contribute to the Nation's biomedical and behavioral research effort. AREA grants are intended to support small-scale research projects proposed by faculty members of eligible, domestic institutions, to expose undergraduate and/or graduate students to meritorious research projects, and to strengthen the research environment of the applicant institution. This FOA utilizes the Academic Research Enhancement Award (AREA) (R15) mechanism.

Period of Support 3 years
Funds/Direct Costs $300,000 direct costs for entire period of support

Contact Grants Info
Phone: (301) 435-0714
GrantsInfo@nih.gov

National Cancer Institute
Research Answers to NCI's Pediatric Provocative Questions (R01)
PAR-16-218

About
The purpose of this funding opportunity announcement (FOA) is to invite applications for research projects designed to use sound and innovative strategies to solve specific problems and paradoxes in childhood cancer research identified by the National Cancer Institute (NCI) as the NCI's Pediatric Provocative Questions (Pediatric PQs). These problems and paradoxes framed as questions are not intended to represent the full range of NCI's priorities in childhood cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of pediatric cancer research that are deemed important but have not received sufficient attention. This FOA utilizes the Research Project Grant (R01) award mechanism.

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

Contact Sean Hine
Phone: (240) 276-6291
hines@mail.nih.gov

National Cancer Institute
Comprehensive Partnerships to Advance Cancer Health Equity (CPACHE) (U54)
PAR-15-103

About
The purpose of this limited competition funding opportunity announcement (FOA) is to continue fostering and supporting intensive collaborations among investigators at ISUPS and CCs in order to develop stronger national cancer programs aimed at understanding the reasons behind the significant cancer disparities and related impacts on these populations. This FOA is intended for: (1) supporting active Comprehensive Partnerships under the U54 mechanism or inactive Comprehensive Partnerships but formerly supported by the U54 mechanism; and (2) elevating the promising U56 partnerships and other similar partnerships to the comprehensive status. This FOA utilizes the Specialized Center - Cooperative Agreements (U54) award mechanism.

Period of Support 5 years
Funds/Direct Costs $2.5M direct costs per year

Contact Carmen Moten
Phone: (240) 276-6181
cmoten@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
The Role of Mobile Genetic Elements in Cancer
About
The overall goal of this funding opportunity announcement (FOA) is to encourage applications to investigate mechanisms regulating the expression and activity of mobile genetic elements, including long terminal repeat (LTR) and non-LTR retroelements, in cancer. For example, although long interspersed element-1 (LINE-1 or L1) retroelements are active in many cancers whether somatic L1 insertions lead to cancer cell heterogeneity and/or adaptive phenotypes that confer growth or survival advantages during cancer evolution or response to therapy is not clear. Similarly, how human endogenous viruses (HERVs) affect cancer processes is also not well understood. In an effort to address this knowledge gap, this FOA invites research applications that specifically investigate mechanisms regulating the expression and activity of mobile genetic elements in the context of cell transformation and assess the impact of their activity on tumor heterogeneity, cancer evolution, and response to therapy. This FOA utilizes the Research Project (R01) award mechanism.

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

Contact T. Kevin Howcroft
Phone: (240) 276-6200
Howcrofk@mail.nih.gov

National Cancer Institute
The Role of Mobile Genetic Elements in Cancer (R21)
PAR-16-226

About
The overall goal of this funding opportunity announcement (FOA) is to encourage R21 exploratory/developmental grant applications to (a) generate a mechanistic understanding of the metabolic processes that support robust anti-tumor immune responses in vivo, (b) determine how the metabolic landscape of the tumor microenvironment affects immune effector functions, and (c) then use this information to manipulate (reprogram) the metabolic pathways used by the tumor, the immune response, or both to improve cancer immunotherapy. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

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

Contact Susan McCarthy
Phone: (240) 276-6200
mccarths@mail.nih.gov

National Cancer Institute
Metabolic Reprogramming to Improve Immunotherapy (R01)
PAR-16-227

About
The overall goal of this funding opportunity announcement (FOA) is to encourage applications to investigate mechanisms regulating the expression and activity of mobile genetic elements, including long terminal repeat (LTR) and non-LTR retroelements, in cancer. For example, although long interspersed element-1 (LINE-1 or L1) retroelements are active in many cancers whether somatic L1 insertions lead to cancer cell heterogeneity and/or adaptive phenotypes that confer growth or survival advantages during cancer evolution or response to therapy is not clear. Similarly, how human endogenous viruses (HERVs) affect cancer processes is also not well understood. In an effort to address this knowledge gap, this FOA invites research applications that specifically investigate mechanisms regulating the expression and activity of mobile genetic elements in the context of cell transformation and assess the impact of their activity on tumor heterogeneity, cancer evolution, and response to therapy. This FOA utilizes the Research Project (R01) award mechanism.

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

Contact T. Kevin Howcroft
Phone: (240) 276-6200
Howcrofk@mail.nih.gov

National Cancer Institute
Metabolic Reprogramming to Improve Immunotherapy (R21)
PAR-16-228

About
The overall goal of this funding opportunity announcement (FOA) is to encourage R21 exploratory/developmental grant applications to (a) generate a mechanistic understanding of the metabolic processes that support robust anti-tumor immune responses in vivo, (b) determine how the metabolic landscape of the tumor microenvironment affects immune effector functions, and (c) then use this information to manipulate (reprogram) the metabolic pathways used by the tumor, the immune response, or both to improve cancer immunotherapy. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

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

Contact Susan McCarthy
Phone: (240) 276-6200
mccarths@mail.nih.gov
National Cancer Institute

**Mechanisms of Cancer and Treatment-related Symptoms and Toxicities**

PA-16-258


**About**

National Cancer Institute (NCI) invites innovative pilot projects or feasibility studies to stimulate research aimed to better understand the complex interaction of biological, cognitive, behavioral, and sociocultural factors that contribute to cancer and treatment related symptoms and toxicities throughout the cancer care trajectory. Data from the preliminary studies would be used to validate and extend the findings in larger cohort studies and/or test novel, mechanistically-driven interventions via the R01 funding mechanism. This program will use the NIH Exploratory/ Developmental (R21) grant mechanism.

**Budgetary Notes**

Up to $200,000 direct costs allowed per year

**Funds/Direct Costs**

$275,000 direct costs for entire period of support

**Contact**

Chamelli Jhappan

Phone: (240) 276-6200

jhappanc@mail.nih.gov

**Period of Support**

2 years

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**Gene Fusions in Pediatric Sarcomas (R21)**

PAR-16-252


**About**

The overall goal of this funding opportunity announcement (FOA) is to encourage research grant applications to investigate the molecular mechanisms by which oncogenic fusion genes and their gene products contribute to pediatric sarcoma initiation, progression, and metastasis. Better understanding of the molecular pathways activated by chromosomal translocations in pediatric sarcomas, and their relationship to oncogenesis and tumor progression, can elucidate mechanisms of cancer pathogenesis and potentially lead to novel therapeutics. This FOA utilizes the Exploratory/ Developmental (R21) award mechanism.

**Budgetary Notes**

Up to $200,000 direct costs allowed per year

**Funds/Direct Costs**

$275,000 direct costs for entire period of support

**Contact**

Keren Witkin

Phone: (301) 276-6250

witkinker@mail.nih.gov

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**National Cancer Institute**

**Neural Regulation of Cancer (R21)**

PAR-16-246


**About**

National Cancer Institute (NCI) invites applications for collaborative, transdisciplinary research with both neuroscience and cancer elements, which together will advance current understanding of the nervous system contribution to cancer. Leveraging the knowledge, tools, experimental models and reagents in neuroscience research to uncover novel mechanisms used by the nervous system to promote tumor initiation, progression and metastasis can ultimately inform key areas of cancer research including the prevention and treatment of non-central nervous system tumors. This FOA utilizes the Exploratory/ Developmental (R21) award mechanism.

**Budgetary Notes**

Up to $200,000 direct costs allowed per year

**Funds/Direct Costs**

$275,000 direct costs for entire period of support

**Contact**

Ann O’ Mara

Phone: (240) 276-7050

omaraa@mail.nih.gov

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**National Cancer Institute**

**Neural Regulation of Cancer (R01)**

PAR-16-245


**About**

National Cancer Institute (NCI) invites applications for collaborative, transdisciplinary research with both neuroscience and cancer elements, which together will advance current understanding of the nervous system contribution to cancer. Leveraging the knowledge, tools, experimental models and reagents in neuroscience research to uncover novel mechanisms used by the nervous system to promote tumor initiation, progression and metastasis can ultimately inform key areas of cancer research including the prevention and treatment of non-central nervous system tumors. This FOA utilizes the Research Project (R01) award mechanism.

**Budgetary Notes**

Up to $200,000 direct costs allowed per year

**Funds/Direct Costs**

Application budgets are not limited but need to reflect the actual needs of the proposed project

**Contact**

Chamelli Jhappan

Phone: (240) 276-6200

jhappanc@mail.nih.gov
National Cancer Institute
Gene Fusions in Pediatric Sarcomas (R01)
PA-16-251

About
National Cancer Institute (NCI) invites applications to investigate the molecular mechanisms by which oncogenic fusion genes and their gene products contribute to pediatric sarcoma initiation, progression, and metastasis. Better understanding of the molecular pathways activated by chromosomal translocations in pediatric sarcomas, and their relationship to oncogenesis and tumor progression, can elucidate mechanisms of cancer pathogenesis and potentially lead to novel therapeutics. This FOA will use the NIH Research Project (R01) award mechanism.

Period of Support
5 years

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

Contact
Keren Witkin
Phone: (301) 276-6250
witkinkeren@mail.nih.gov

National Cancer Institute
Innovative Approaches to Studying Cancer Communication in the New Media Environment (R01)
PAR-16-249
"http://grants.nih.gov/grants/guide/pa-files/PAR-16-249.html"

About
This funding opportunity announcement (FOA) invites applications that seek to apply one or more innovative methodologies in communication research across the cancer control continuum, from prevention, early detection, diagnosis, treatment, and survivorship, to end of life. Applications to this FOA should utilize one or more of the following analytic approaches, methods, and data sources, including but not limited to social media data mining, Natural Language Processing (NLP) techniques, online social network analysis, crowdsourcing research tools (e.g., mTurk), online search data, Ecological Momentary Assessment, neuroscience and biobehavioral approaches to communication, and geographic information systems. Studies should assess outcomes related to cancer prevention and control (e.g., knowledge, attitudes, beliefs, perceived risk, decision making in screening and treatment, information inequalities, social support, shared decision making, persuasion, caregiving, behavioral intentions, preventive behaviors, and policy support, among others). This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

Period of Support
2 years

Funds/Direct Costs
$275,000 direct costs for entire period of support

Budgetary Notes
Up to $200,000 direct costs allowed per year

Contact
Kelly Blake
Phone: (240) 281-5934
kelly.blake@nih.gov

National Cancer Institute
Cancer-Related Behavioral Research through Integrating Existing Data (R01)
PAR-16-256

About
This funding opportunity announcement (FOA) invites applications that seek to integrate two or more independent data sets to answer novel cancer control and prevention questions. The goal is to encourage applications that incorporate Integrative Data Analysis (IDA) methods to study behavioral risk factors for cancer, including tobacco use, sedentary behavior, poor weight management, and lack of medical adherence to screening and vaccine uptake. It is important that the data being integrated are
from different sources and types (including both quantitative and qualitative; data may span different levels such as genetic and environmental) and should include at least one source of behavioral data. Importantly, applicants should use existing data sources rather than collect new data. In addition, creating harmonized measures, developing culturally sensitive measures, replicating results and cross-study comparisons will be encouraged. This FOA utilizes the Research Project (R01) award mechanism.

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

Contact  Richard Moser
  Phone:  (240) 276-6915
  moserr@mail.nih.gov

National Cancer Institute
Cancer-Related Behavioral Research through Integrating Existing Data (R21)
PAR-16-255

About
This funding opportunity announcement (FOA) invites applications that seek to integrate two or more independent data sets to answer novel cancer control and prevention questions. The goal is to encourage applications that incorporate Integrative Data Analysis (IDA) methods to study behavioral risk factors for cancer, including tobacco use, sedentary behavior, poor weight management, and lack of medical adherence to screening and vaccine uptake. It is important that the data being integrated are from different sources and types (including both quantitative and qualitative; data may span different levels such as genetic and environmental) and should include at least one source of behavioral data. Importantly, applicants should use existing data sources rather than collect new data. In addition, creating harmonized measures, developing culturally sensitive measures, replicating results and cross-study comparisons will be encouraged. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

Period of Support  2 years
Funds/Direct Costs  $275,000 direct costs for entire period of support
Budgetary Notes  Up to $200,000 direct costs allowed per year

Contact  Rebecca Ferrer
  Phone:  (301) 852-1167
  ferrerra@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Dissemination and Implementation Research in Health (R21)
PAR-16-236

About
This funding opportunity announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, test, evaluate and/or refine strategies to disseminate and implement evidence-based practices (e.g. behavioral interventions; prevention, early detection, diagnostic, treatment and disease management interventions; quality improvement programs) into public health, clinical practice, and community settings. In addition, studies to advance dissemination and implementation research methods and measures are encouraged. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

Period of Support  2 years
Funds/Direct Costs  $275,000 direct costs for entire period of support
Budgetary Notes  Up to $200,000 direct costs allowed per year

Contact  David Chambers
  Phone:  (240) 276-5090
  dchamber@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Predicting Behavioral Responses to Population-Level Cancer Control Strategies (R21)
PAR-16-257

About
The goal of this funding opportunity announcement (FOA) is to facilitate research to identify individual influences on the effectiveness of population-level strategies that target cancer-related behaviors. We seek to encourage collaborations among scientists with expertise in health policy research and implementation, as well as investigators in scientific disciplines that have not traditionally conducted cancer or policy research, such as: psychological science (e.g., social, developmental); affective and cognitive neuroscience; judgment and decision-making; consumer behavior and marketing; organizational behavior; sociology, cultural anthropology; behavioral economics; linguistics; and political science. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.
About
This funding opportunity announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, test, evaluate and/or refine strategies to disseminate and implement evidence-based practices (e.g. behavioral interventions; prevention, early detection, diagnostic, treatment and disease management interventions; quality improvement programs) into public health, clinical practice, and community settings. In addition, studies to advance dissemination and implementation research methods and measures are encouraged. This FOA utilizes the Research Project Grant (R01) award mechanism.

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

Contact David Chamber
Phone: (240) 276-5090
dchamber@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Dissemination and Implementation Research in Health (R03)
PAR-16-237

About
This funding opportunity announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, evaluate and refine effective and efficient methods, systems, infrastructures, and strategies to disseminate and implement evidence-based health behavior change interventions, evidence-based prevention, early detection, diagnostic, treatment and management, and quality of life improvement services into public health, clinical practice, and community settings. This FOA utilizes the Small Grant Program (R03) award mechanism.

Period of Support 2 years
Funds/Direct Costs $50,000 direct costs per year

Contact David Chambers
Phone: (240) 276-5090
dchamber@mail.nih.gov

Multiple Institutes, including the National Cancer Institute
Methodology and Measurement in the Behavioral and Social Sciences (R21)
PAR-16-261

About
The purpose of this funding opportunity announcement (FOA) is to invite qualified researchers to submit grant applications aimed at improving and developing methodology in the behavioral and social sciences through innovations in research design, measurement, data collection and data analysis techniques. The participating NIH Institutes and Centers (ICs) encourage research that will improve the quality and scientific power of behavioral and social science data relevant to the IC missions. This FOA utilizes the Exploratory/ Developmental (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs for entire period of support
Budgetary Notes Up to $200,000 direct costs allowed per year

Contact Sandra Mitchell
Phone: (240) 276-6929
mitchellsa@cc.nih.gov

Multiple Institutes, including the National Cancer Institute
Serious Adverse Drug Reaction Research (R01)
PAR-16-275

About
The purpose of this funding opportunity announcement (FOA) is to invite qualified researchers to submit grant applications aimed at improving and developing methodology in the behavioral and social sciences through innovations in research design, measurement, data collection and data analysis techniques. The participating NIH Institutes and Centers (ICs) encourage research that will improve the quality and scientific power of behavioral and social science data relevant to the IC missions. This FOA utilizes the Research Project (R01) award mechanism.

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

Contact Sandra Mitchell
Phone: (240) 276-6929
mitchellsa@cc.nih.gov
About
This funding opportunity announcement is to support research grants that will advance the state of knowledge of serious adverse drug reactions. Applications across the spectrum of research are encouraged. NCI welcomes applications for pre clinical, translational, and clinical research on: mechanisms underlying serious ADRs, including organ toxicities and immune-related ADRs, resulting from anti-cancer therapies; discovery and integration of informative biomarkers for prediction, early detection, or monitoring of ADRs; development and validation of clinical assays or tools for measuring these ADR markers; and development of interventions for alleviation of severe and/or chronic ADRs in cancer patients. This FOA utilizes the Research Project (R01) award mechanism.

**Period of Support**
4 years

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

**Contact**
Minkyung Song
Phone: (240) 276-6139
songm@mail.nih.gov

National Cancer Institute
Cancer Prevention, Control, Behavioral Sciences, and Population Sciences Career Development Award (K07)
PAR-16-284

About
The purpose of the Cancer Prevention, Control, Behavioral Sciences, and Population Sciences Career Development Award (K07) is to support the career development of junior investigators with research or health professional doctoral degrees who want to become cancer-focused academic researchers in cancer prevention, cancer control, or the behavioral or population sciences. This FOA utilizes the Academic/Teacher Award (ATA) mechanism.

**Period of Support**
5 years

**Funds/Direct Costs**
$130,000 direct costs for entire period of support

**Contact**
Susan Perkins
Phone: (240) 276-5630
perkinsu@mail.nih.gov

National Cancer Institute
The NCI Transition Career Development Award (K22)
PAR-16-293

About
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. This FOA utilizes the Career Transition (K22) award mechanism.

**Period of Support**
3 years

**Funds/Direct Costs**
$150,000 direct costs per year

**Contact**
Sonia Jakowlew
Phone: (240) 276-5630
jakowles@mail.nih.gov

National Cancer Institute
Stimulating Innovations in Behavioral Intervention Research for Cancer Prevention and Control (R21)
PAR-16-278
"http://grants.nih.gov/grants/guide/pa-files/PAR-16-278.html"

About
The purpose of this funding opportunity announcement (FOA) is to provide support for the development of innovative interventions that improve cancer-related health behaviors across diverse racial/ethnic populations. Specifically, this FOA is intended to stimulate research aimed at 1) testing new theories and conceptual frameworks; 2) developing and evaluating novel strategies to improve cancer-related health behaviors; 3) investigating multi-level and multi behavioral approaches; and 4) utilizing innovative research designs, methodologies, and technologies. The cancer-related health behaviors to be targeted are diet, obesity, physical activity and sedentary behavior, smoking, sleep and circadian dysfunction, alcohol use, and/or adherence to cancer-related medical regimens. Research can involve any aspect of the cancer continuum and any phase of the translational spectrum. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

**Period of Support**
2 years

**Funds/Direct Costs**
$275,000 direct costs for entire period of support

**Budgetary Notes**
$200,000 direct costs allowed per year

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

National Cancer Institute
Program to Assess the Rigor and Reproducibility of Exosome-Derived Analytes for Cancer Detection (R21)
PAR-16-277
This funding opportunity announcement (FOA) encourages research projects that focus on innovative research in the isolation and characterization of exosomes 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 exosomes as well as the computational analysis of the cargo carried in these vesicles. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

### Period of Support
2 years

### Funds/Direct Costs
$275,000 direct costs for entire period of support

### Budgetary Notes
Up to $200,000 direct costs allowed per year

### Contact
Sudhir Srivastava  
Phone: (240) 276-7028  
srivasts@mail.nih.gov

### About
This funding opportunity announcement (FOA) encourages applications for intervention research designed to support caregivers of adult cancer patients. Interventions supported by this FOA are intended to provide caregivers with care training, promote coping skills, and ultimately help them manage care. Outcomes of such interventions are expected to (1) optimize patient health care utilization, (2) improve caregiver well-being, and (3) improve patient physical health and psychosocial outcomes. This FOA utilizes the Research Project (R01) award mechanism.

### Period of Support
5 years

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

### Contact
Erin Kent  
Phone: (240) 276-6776  
erin.kent@nih.gov

### National Cancer Institute
**Program to Assess the Rigor and Reproducibility of Exosome-Derived Analytes for Cancer Detection (R01)**
PAR-16-276

This funding opportunity announcement (FOA) encourages research projects that focus on innovative research in the isolation and characterization of exosomes 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 exosomes as well as the computational analysis of the cargo carried in these vesicles. This FOA utilizes the Research Project (R01) award mechanism.

### Period of Support
5 years

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

### Contact
Sudhir Srivastava  
Phone: (240) 276-7028  
srivasts@mail.nih.gov

### About
This funding opportunity announcement (FOA) invites applications for intervention research designed to support caregivers of adult cancer patients. Interventions supported by this FOA are intended to provide caregivers with care training, promote coping skills, and ultimately help them manage care. Outcomes of such interventions are expected to (1) optimize patient health care utilization, (2) improve caregiver well-being, and (3) improve patient physical health and psychosocial outcomes. This FOA utilizes the Research Project Grant (R01) award mechanism.

### Period of Support
5 years

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

### Contact
Sarah Kobrin  
Phone: (240) 276-6931  
kobrins@mail.nih.gov

### National Cancer Institute
**Linking the Provider Recommendation to Adolescent HPV Vaccine Uptake (R01)**
PAR-16-338

This funding opportunity announcement (FOA) encourages research on how the healthcare delivery system enhances or inhibits the effectiveness of a provider's recommendation of the adolescent human papillomavirus (HPV) vaccine. Characteristics of the provider, parent/patient, and clinical setting, can all affect whether a provider makes a recommendation, and whether that recommendation results in uptake of the HPV vaccine. This research requires expertise in cancer prevention, adult and childhood behavior, immunization promotion, and healthcare delivery. This FOA utilizes the Research Project Grant (R01) award mechanism.

### Period of Support
5 years

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

### Contact
Sarah Kobrin  
Phone: (240) 276-6931  
kobrins@mail.nih.gov

### National Cancer Institute
**Intervening with Cancer Caregivers to Improve Patient Health Outcomes and Optimize Health Care Utilization (R01)**
PAR-16-317

This funding opportunity announcement (FOA) encourages research projects that focus on innovative research in the isolation and characterization of exosomes 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 exosomes as well as the computational analysis of the cargo carried in these vesicles. This FOA utilizes the Exploratory/Developmental (R21) award mechanism.

### Period of Support
2 years

### Funds/Direct Costs
$275,000 direct costs for entire period of support

### Budgetary Notes
Up to $200,000 direct costs allowed per year

### Contact
Sudhir Srivastava  
Phone: (240) 276-7028  
srivasts@mail.nih.gov

### About
This funding opportunity announcement (FOA) invites applications for intervention research designed to support caregivers of adult cancer patients. Interventions supported by this FOA are intended to provide caregivers with care training, promote coping skills, and ultimately help them manage care. Outcomes of such interventions are expected to (1) optimize patient health care utilization, (2) improve caregiver well-being, and (3) improve patient physical health and psychosocial outcomes. This FOA utilizes the Research Project (R01) award mechanism.

### Period of Support
5 years

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

### Contact
Erin Kent  
Phone: (240) 276-6776  
erin.kent@nih.gov
About
This funding opportunity announcement (FOA) encourages research on how the healthcare delivery system enhances or inhibits the effectiveness of a provider’s recommendation of the adolescent human papillomavirus (HPV) vaccine. Characteristics of the provider, parent/patient, and clinical setting, can all affect whether a provider makes a recommendation, and whether that recommendation results in uptake of the HPV vaccine. This research requires expertise in cancer prevention, adult and childhood behavior, immunization promotion, and healthcare delivery. This FOA utilizes the Small Grant Program (R03) award mechanism.

Period of Support 2 years
Funds/Direct Costs $50,000 direct costs per year
Contact Sarah Kobrin  
Phone: (240) 276-6931  
kobrins@mail.nih.gov

National Cancer Institute
Biological Comparisons in Patient-Derived Models of Cancer (U01)
PAR-16-344
About
The purpose of this FOA is to encourage applications wherein similarities and differences in the underlying biological mechanisms that drive cancer phenotype and response to perturbations between two or more patient-derived models of cancer originating from a common patient sample are delineated and compared. This FOA utilizes the Research Project - Cooperative Agreements (U01) award mechanism.

Period of Support 5 years
Funds/Direct Costs Application budgets are not limited, but need to reflect the actual needs of the proposed project.
Contact Michael Graham Espey  
Phone: (240) 276-7619  
SP@nih.gov

Multiple Institutes, including the National Cancer Institute
Advanced-Stage Development and Utilization of Research Infrastructure for Interdisciplinary Aging Studies (R33)
PAR-16-368
About
This FOA invites applications that propose to support advanced-stage development and utilization of novel research infrastructure to advance the science of aging in specific areas requiring interdisciplinary partnerships or collaborations. This FOA will use the NIH Exploratory/Developmental Grants Phase II mechanism to provide support for expanded activities. Applicants are expected to have an existing research infrastructure developed either through PA-12-064, or with other NIH or non-NIH support. Through this award, investigators will develop a mature and sustainable research infrastructure to support projects that address key interdisciplinary aging research questions. This FOA utilizes the Exploratory/Developmental (R33) award mechanism.

Period of Support 5 years
Funds/Direct Costs $130,000 direct costs for entire period of support
Contact Davyd Chung  
Phone: (240) 276-6921  
davyd.chung@nih.gov

National Cancer Institute
NCI Mentored Research Scientist Development Award to Promote Diversity (K01)
PAR-16-401
About
The purpose of the NCI Mentored Research Scientist Development Award (K01) is to enhance the diversity of the NCI-funded cancer research workforce by supporting eligible individuals from groups that have been shown to be underrepresented in the biomedical, behavioral, social and clinical sciences. This FOA provides salary and research support for a sustained period of "protected time" for intensive research career development under the guidance of an experienced mentor, or sponsor. This FOA utilizes the Research Scientist Development Award - Research & Training (K01) award mechanism.

Period of Support 5 years
Funds/Direct Costs $500,000 direct costs per year
Contact Erica Breslau  
Phone: (240) 276-6773  
breslaue@mail.nih.gov

National Cancer Institute
NCI Small Grants Program for Cancer Research (NCI Omnibus R03)
PAR-16-416
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. This FOA utilizes the Small Grant Program (R03) award mechanism.

Period of Support 2 years
**Funds/Direct Costs** $50,000 direct costs per year  
**Contact** Crystal Wolfrey  
**Phone:** (240) 276-6277  
wolfreyc@mail.nih.gov

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

**Big Data to Knowledge (BD2K) Enhancing the Efficiency and Effectiveness of Digital Curation for Biomedical Big Data (U01)**

RFA-LM-17-001  

**About**
The purpose of this BD2K funding opportunity announcement (FOA) is to support the development, improvement and implementation of tools and approaches that increase the efficiency and effectiveness of digital curation processes used to characterize and describe the digital data used in or resulting from biomedical research. This FOA utilizes the Research Project - Cooperative Agreements (U01) award mechanism.

**Period of Support** 4 years  
**Funds/Direct Costs** $350,000 direct costs per year  
**Contact** Grants Info  
**Phone:** (301) 710-0267  
GrantsInfo@nih.gov

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

**Innovation Corps (I-Corps) at NIH Program for NIH and CDC Phase I SBIR and STTR Grantees (Admin Supp)**

PA-16-414  

**About**
This funding opportunity announcement (FOA) seeks to develop and nurture a national innovation ecosystem that builds upon biomedical research to develop technologies, products and services that benefit society. Toward meeting this objective, the I-Corps™ program is being offered. The I-Corps™ at NIH program is focused on educating researchers and technologists on how to translate technologies from the lab into the marketplace. Under this FOA, participating NIH and CDC Institutes and Centers will provide administrative supplement awards to two cohorts of currently-funded SBIR and STTR Phase I grantees to support entrepreneurial training under the I-Corps™ at NIH Program. This FOA utilizes the Administrative Supplement award mechanism.

**Period of Support** 5 months  
**Funds/Direct Costs** $50,000 total costs for entire period of support  
**Contact** Jackie Boudjeda  
**Phone:** (240) 276-6312  
boudjedaj@mail.nih.gov

**National Cancer Institute**

**Limited Competition: The Chernobyl Tissue Bank - Coordinating Center (U24)**

RFA-CA-16-502  
Application Due Date: January 20, 2017  

**About**
This limited competition funding opportunity announcement solicits the renewal application for the Chernobyl Tissue Bank Coordinating Center. The Chernobyl Tissue Bank is a collaborative resource that is supported by the National Cancer Institute and another international partner and includes active participation of countries critically affected by the Chernobyl nuclear power plant accident. The objective of the Chernobyl Tissue Bank is to maintain a research resource that supports current and future studies on the biology of thyroid cancer, a major health consequence of the Chernobyl accident. This FOA utilizes the Resource-Related Research Projects – Cooperative Agreements (U24) award mechanism.

**Period of Support** 5 years  
**Funds/Direct Costs** $300,000 direct costs per year  
**Contact** Referral Officer  
**Phone:** (240) 276-6390
Multiple Institutes, including the National Cancer Institute

Support of Competitive Research (SCORE) Pilot Project Award (SC2)

PAR-16-438


About

The SCORE Program is a developmental program designed to increase the research competitiveness of faculty and research capacity of institutions with an explicitly stated historical mission and/or a demonstrated historical track record of training and graduating students from backgrounds underrepresented in biomedical research. Eligible institutions must award science degrees to undergraduate (B.S. or B.A.) and/or graduate students (M.S. or Ph.D.) and have received less than 6 million dollars per year of NIH R01 support (total costs) in each of the last 2 fiscal years. This FOA utilizes the Pilot Research Project (SC2) award mechanism.

Period of Support 3 years
Funds/Direct Costs $100,000 direct costs per year
Contact Davyd Chung
Phone: (240) 276-6921
davyd.chung@nih.gov

Multiple Institutes, including the National Cancer Institute

Support of Competitive Research (SCORE) Research Advancement Award (SC1)

PAR-16-439


About

The SCORE Program is a developmental program designed to increase the research competitiveness of faculty and the research base at institutions with an explicitly stated historical mission and/or a demonstrated historical track record of training and graduating students from backgrounds underrepresented in biomedical research. Eligible institutions must award science degrees to undergraduate (B.S. or B.A.) and/or graduate students (M.S. or Ph.D.) and have received less than 6 million dollars per year of NIH R01 support (total costs) in each of the last 2 fiscal years. This FOA utilizes the Research Enhancement (SC1) award mechanism.

Period of Support 4 years
Funds/Direct Costs $250,000 direct costs per year
Contact Davyd Chung
Phone: (240) 276-6098
davyd.chung@nih.gov

Non-AIDS-defining or AIDS-defining Cancers (R01)

PA-16-426


About

This FOA encourages research efforts that will (i) identify specific contributions resulting from HIV infection and its potential interaction with other pathogens for the development and pathogenesis of these cancers and (ii) provide information on the clinical outcomes of such cancers in the HIV-infected population. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population. This FOA utilizes the Research Project (R01) award mechanism.

Period of Support 5 years
Funds/Direct Costs Application budgets are not limited but need to reflect the actual needs of the proposed project.
Contact Elizabeth Read-Connole
Phone: (240) 276-6226
bconnole@mail.nih.gov

National Cancer Institute

"High" or "Medium" Priority AIDS Research on Non-AIDS-defining or AIDS-defining Cancers (R21)

PA-16-425


About

This FOA encourages research efforts that will (i) identify specific contributions resulting from HIV infection and its potential interaction with other pathogens for the development and pathogenesis of these cancers and (ii) provide information on the clinical outcomes of such cancers in the HIV-infected population. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population. This FOA utilizes the Research Project Grant (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs per year
Budgetary Notes Up to $200,000 direct costs allowed per year
Contact Elizabeth Read-Connole
Phone: (240)-276-6226
bconnole@mail.nih.gov

National Cancer Institute

Revision Applications for Validation of Biomarker Assays Developed Through NIH-Supported Research Grants (R01)

PAR-17-003

"http://grants.nih.gov/grants/guide/pa-files/PAR-17-003.html"
About
The purpose of this Funding Opportunity Announcement (FOA) is to accelerate the pace of translation of NCI-supported methods/assays/technologies (referred to as "assays") to the clinic. Specifically, the focus of this FOA is on the adaption and clinical validation of molecular/cellular/imaging markers (referred to as "markers" or "biomarkers") for cancer detection, diagnosis, prognosis, monitoring, and prediction of response to treatment, as well as markers for cancer control and prevention. This FOA utilizes the Research Project Grant (R01) award mechanism.

Period of Support 2 years
Funds/Direct Costs $150,000 direct costs per year
Contact Kelly Kim
Phone: (240) 276-7811
kimke@mail.nih.gov

National Cancer Institute
Collaborative Consortia for the Study of HIV Associated Cancers: U.S. and Low-and Middle-Income Country Partnerships (U54)
RFA-CA-16-018
Application Due Date: December 20, 2016

About
The purpose of this funding opportunity announcement (FOA) is to fund research on HIV-associated cancers in low- and middle-income countries (LMICs) through collaborative efforts between investigators in United States (U.S.) and investigators in LMICs. The FOA will also support the enhancement of research capacity of LMIC institutions for research in this area. The FOA solicits applications for Specialized Center Cooperative Agreements (U54) for research on HIV associated cancers from research institutions in the U.S. and LMICs. Since the University of Miami may only submit one proposal, this opportunity is a limited submission competition. An expert panel will internally review our candidates to determine which applications will be submitted for competition by the Collaborative Consortia for the Study of HIV Associated Cancers deadline on December 20, 2016. Please contact Karen Lamper at klamper@miami.edu if you or your faculty are also in the process of developing an application.

Period of Support 5 years
Funds/Direct Costs $600,000 direct costs per year
Contact Geraldina Dominguez
Phone: (301) 496-3204
domingug@mail.nih.gov

National Cancer Institute
International Research Scientist Development Award (IRSDA) (K01)
PAR-17-002

About
The purpose of the International Research Scientist Development Award (IRSDA) is to provide support and protected time (three to five years) to advanced postdoctoral U.S. research scientists and recently-appointed U.S. junior faculty (applicants must be at least two years beyond conferral of doctoral degree) for an intensive, mentored research career development experience in a low- or middle-income country (LMIC) leading to an independently-funded research career focused on global health. This FOA utilizes the Research Scientist Development Award - Research & Training (K01) award mechanism.

Period of Support 3 years
Funds/Direct Costs $105,000 direct costs for entire period of support
Budgetary Notes 8% indirect costs are allowed
Contact Susan Lim
Phone: (240) 276-5630
lims@mail.nih.gov

National Cancer Institute
Linking the Provider Recommendation to Adolescent HPV Vaccine Uptake (R21)
PAR-16-336

About
This funding opportunity announcement (FOA) encourages research on how the healthcare delivery system enhances or inhibits the effectiveness of a provider's recommendation of the adolescent human papillomavirus (HPV) vaccine. Characteristics of the provider, parent/patient, and clinical setting, can all affect whether a provider makes a recommendation, and whether that recommendation results in uptake of the HPV vaccine. This research requires expertise in cancer prevention, adult and childhood behavior, immunization promotion, and healthcare delivery. This FOA utilizes the Exploratory/ Developmental (R21) award mechanism.

Period of Support 2 years
Funds/Direct Costs $275,000 direct costs for entire period of support
Budgetary Notes Up to $200,000 direct costs allowed per year
Contact Sarah Kobrin
Phone: (240) 276-6931
kobrins@mail.nih.gov

National Cancer Institute
Coordinating Center for Population-based Research to Optimize the Screening Process (PROSPR)(U24)
About
Population-based Research to Optimize the Screening Process (PROSPR) is the National Cancer Institute (NCI) program to promote research aimed at evaluating and improving the cancer screening process. The overall goal for the PROSPR Research Centers is to enhance understanding of the implementation and effects of screening as practiced in multiple healthcare environments in the United States. The intent of this FOA is to fund a single Coordinating Center that will support a network of three PROSPR Research Centers (PRCs; one each focused on cervical, colorectal, and lung cancer). This FOA utilizes the Resource-Related Research Projects - Cooperative Agreements (U24) award mechanism.

Period of Support  5 years
Funds/Direct Costs  $1M direct costs for entire period of support

Contact  Paul Doria-Rose
          Phone: (240) 276-6904
doriarop@mail.nih.gov