• Request for Information (RFI): FY 2016-2020 Strategic Plan for the Office of Research Infrastructure Programs: Office of Science Education/Science Education Partnership Awards [NOT-OD-15-055] Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs

• Request for Information (RFI): FY 2016-2020 Strategic Plan for the Office of Research Infrastructure Programs: Division of Comparative Medicine and Division of Construction and Instruments Programs [NOT-OD-15-056] Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs

• Delays in Grant Application Submission due to Severe Winter Storms [NOT-OD-15-066] National Institutes of Health

• NCI Announcement of Interest in Supporting KRAS-Related Research through NIH Parent Program Announcement PA-14-149 "Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32)" [NOT-CA-15-012] National Cancer Institute


• Change in Receipt Dates for Non-Competing NIGMS NRSA Institutional Training Grant Progress Reports (T32 and T34) [NOT-GM-15-109] National Institute of General Medical Sciences


• Request for Information: NHLBI Whole Genome Sequencing Project (NHLBI-WGS) [NOT-HL-15-253] National Heart, Lung, and Blood Institute


• Notice of Intent to Publish a Funding Opportunity Announcement for Pre-applications for Collaborative Innovation Award, Clinical and Translational Science Award Program (X02) [NOT-TR-15-005] National Center for Advancing Translational Sciences

• Notice of Intent to Publish a Funding Opportunity Announcement for Collaborative Innovation Award, Clinical and Translational Science Award Program (U01) [NOT-TR-15-006] National Center for Advancing Translational Sciences

• Request for Information (RFI): The Impact of Environmental Lead Exposure on Cognition and Bone Function [NOT-TW-15-002] John E. Fogarty International Center

Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute of Environmental Health Sciences
Reinforcing Service to the Biomedical Research Community
(NOT-OD-15-035) National Institutes of Health
Notice of Extension of the Public Comment Period for NOT-OD-15-019 "NIH Request for Public Comments on the Draft NIH Policy on Dissemination of NIH-Funded Clinical Trial Information"
(NOT-OD-15-068) National Institutes of Health
Announcement of Anticipated Availability of Funds for Research and Research Conferences on Research Integrity
(NOT-OD-15-069) Department of Health and Human Services
The National Center for Complementary and Alternative Medicine (NCCAM) is now the National Center for Complementary and Integrative Health (NCCIH)
(NOT-AT-15-003) National Center for Complementary and Integrative Health
Notice of Expiration of PAR-14-239 Oncology Models Forum (U24)
(NOT-CA-15-015) National Cancer Institute
Notice of NIH Participation in the Cyber-Physical Systems Initiative (CPS)
(NOT-EB-15-003) National Institute of Biomedical Imaging and Bioengineering
National Center for Advancing Translational Sciences
National Cancer Institute
Office of Behavioral and Social Science Research
Request for Information (RFI): Input on Sustaining Biomedical Data Repositories
(NOT-ES-15-011) National Institute of Environmental Health Sciences
National Cancer Institute
National Human Genome Research Institute
National Institute of Allergy and Infectious Diseases
National Institute on Drug Abuse
National Institute of General Medical Sciences
The Common Fund/Office of Strategic Coordination
Request for Information (RFI) on Harmonization Principles to Guide Analyses of MRI-Based Neuroimaging Datasets from Diverse Sources
(NOT-MH-15-010) National Institute of Mental Health
Notice of Availability of Administrative Supplements to Extend the Scope and Reach of LINCS Datasets
(NOT-RM-15-012) The Common Fund/Office of Strategic Coordination
Notice of Extension of Public Comment Period for Notice of Proposed Rulemaking for Clinical Trials Registration and Results Submission under FDAAA
(NOT-OD-15-072) National Institutes of Health
Correction to Application Guide Instructions for Subawards Not Active in All Budget Periods of the Prime Applicant
(NOT-OD-15-073) National Institutes of Health
Notice of the National Institute on Drug Abuse (NIDA) Participation in PAR-15-070 "Assay Development and Therapeutic Agent Identification and Characterization to Support Therapeutic Discovery (R21/R33)"
(NOT-DA-15-045) National Institute on Drug Abuse
Notice of the National Institute on Drug Abuse (NIDA) Participation in PAR-15-071 "Pharmacodynamics and In vivo Efficacy Studies for Small Molecules and Biologics/Biotechnology Products (R21/R33)"
(NOT-DA-15-046) National Institute on Drug Abuse
Notice of Correction to the Pre-Application Technical Assistance Webinar for the Adolescent Brain Cognitive Development (ABCD) Longitudinal Study Funding Opportunity Announcements Announced in NOT-DA-15-047
(NOT-DA-15-050) National Institute on Drug Abuse
National Cancer Institute
National Institute on Alcohol Abuse and Alcoholism
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute of Mental Health
National Institute on Minority Health and Health Disparities
Office of Behavioral and Social Science Research
Adding the Center for Drug Evaluation and Research (CDER) to PAR-14-237
(NOT-FD-15-002) Food and Drug Administration
• Request for Information (RFI) on NIGMS Programs to Enhance Diversity in the Biomedical Research Workforce (NOT-GM-15-108)
  National Institute of General Medical Sciences
• Notice of Clarification of Language in RFA-HG-15-001 "Centers for Common Disease Genomics (UM1)" (NOT-HG-15-022)
  National Human Genome Research Institute

REQUESTS FOR APPLICATIONS

• TITLE: Big Data to Knowledge (BD2K) Advancing Biomedical Science Using Crowdsourcing and Interactive Digital Media (UH2)
  (RFA-CA-15-006)
  SPONSOR: National Cancer Institute, National Eye Institute, National Heart, Lung, and Blood Institute, National Human Genome Research Institute, National Institute on Aging, National Institute on Alcohol Abuse and Alcoholism, National Institute of Allergy and Infectious Diseases, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institute of Biomedical Imaging and Bioengineering, Eunice Kennedy Shriver National Institute of Child Health and Human Development National Institute on Deafness and Other Communication Disorders, National Institute of Dental and Craniofacial Research National Institute on Drug Abuse, National Institute of Mental Health, National Institute of Neurological Disorders and Stroke National Institute of Nursing Research, National Institute on Minority Health and Health Disparities, National Library of Medicine, Division of Program Coordination, Planning and Strategic Initiatives, Office of Disease Prevention, Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs, Office of Strategic Coordination
  Synopsis: The purpose of this Big Data to Knowledge funding opportunity (FOA) announcement is to support the development of new or significantly adapted interactive digital media that engages the public, experts or non-experts, in performing some aspect of biomedical research via crowdsourcing. To be responsive to this FOA, each application is expected to pose a challenging biomedical research problem and propose the development of engaging interactive digital media that incorporates crowdsourcing as a fundamental component of how the problem is solved. The biomedical research problem should be amenable to one or more human computation approaches, as the users must be active participants in the analysis and/or interpretation of data, rather than acting primarily as data collectors or sources of data.
  Application Receipt/Submission Date(s): May 3, 2015.

PROGRAM ANNOUNCEMENTS

• TITLE: High-End Instrumentation (HEI) Grant Program (S10)
  (PAR-15-118)
  SPONSOR: Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs
  Application Receipt/Submission Date(s): May 29, 2015

• TITLE: Early-life Factors and Cancer Development Later in Life (R03)
  (PA-15-124)
  SPONSOR: National Cancer Institute, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Environmental Health Sciences
  Synopsis: 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. Markers that predict malignancy or pre-malignant conditions would allow assessment of early-life exposures with relevant outcomes without having to wait 50 years for cancer development. Applications submitted to this FOA should be exploratory and novel.
  Application Receipt/Submission Date(s): Multiple dates; see announcement for details.

• TITLE: Early-life Factors and Cancer Development Later in Life (R21)
  (PA-15-125)
  SPONSOR: National Cancer Institute, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Environmental Health Sciences
  Synopsis: 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. Markers that predict malignancy or pre-malignant conditions would allow assessment of early-life exposures with relevant outcomes without having to wait 50 years for cancer development. Ultimately, a better mechanistic understanding of how early-life events and exposures contribute to the etiology of cancer later in life will allow for the development of effective interventions during pregnancy or early life that may have a profound impact on cancer prevention. The NIH R03 small grant mechanism supports discrete, well-defined projects that realistically can be completed in 2 years and that require limited levels of funding.

Application Receipt/Submission Date(s): Multiple dates; see announcement for details.

**TITLE:** Early-life Factors and Cancer Development Later in Life (R01)  
(PA-15-126)  
**SPONSOR:** National Cancer Institute, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Environmental Health Sciences  
**Synopsis:** The purpose of this announcement 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. Markers that predict malignancy or pre-malignant conditions would allow assessment of early-life exposures with relevant outcomes without having to wait 50 years for cancer development. Ultimately, a better mechanistic understanding of how early-life events and exposures contribute to the etiology of cancer later in life will allow for the development of effective interventions during pregnancy or early life that may have a profound impact on cancer prevention.

Application Receipt/Submission Date(s): Multiple dates; see announcement for details.

**TITLE:** Advancing Translational and Clinical Probiotic/Prebiotic and Human Microbiome Research (R01)  
(PA-15-127)  
**SPONSOR:** National Cancer Institute, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute on Drug Abuse, National Center for Complementary and Integrative Health, Office of Dietary Supplements  
**Synopsis:** The purpose of this funding opportunity is twofold: 1. to accelerate translational and clinical Phase I and II a/b safety and efficacy studies for substantiating measurable functional benefits of probiotic/prebiotic components and/or their combinations; and; 2. to understand the underlying mechanisms of their action(s), and variability in responses to these interventions. This FOA calls for interdisciplinary collaborations across scientific disciplines engaged in microbiome and pro/prebiotic research including, but not limited to: nutritional science, microbiology, virology, microecology and microbiome, genomics, immunology, computational biology, chemistry, bioengineering, as well as integration of omics and computational approaches in DNA technologies. This FOA will not support phase III clinical trials.

Application Receipt/Submission Date(s): Multiple dates; see announcement for details.

**TITLE:** School Nutrition and Physical Activity Policies, Obesogenic Behaviors and Weight Outcomes (R03)  
(PA-13-099)  
**SPONSOR:** National Cancer Institute, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Office of Behavioral and Social Sciences Research  
**Synopsis:** This Funding Opportunity Announcement (FOA) is issued by the National Institutes of Health's Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Cancer Institute (NCI), and the Office of Behavioral and Social Sciences Research (OBSSR). The FOA encourages research project grant (R03) applications that propose to: (1) foster multidisciplinary research that will evaluate how policies (federal, state and school district levels) can influence school physical activity and nutrition environments, youths’ obesogenic behaviors (e.g., nutrition and physical activity behaviors), and weight outcomes; (2) understand how schools are implementing these policies and examine multi-level influences on adoption and implementation at various levels (e.g., federal, state, school district, and school); and (3) understand the synergistic or counteractive effect of school nutrition and physical activity policies on the home and community environment and body weight. 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.

Application Receipt/Submission Date(s): Multiple dates; see announcement for details.

**TITLE:** Nutrition and Alcohol-Related Health Outcomes (R03)  
(PA-13-360)
SPONSOR: National Cancer Institute, National Institute on Alcohol Abuse and Alcoholism, Office of Dietary Supplements

Synopsis: This Funding Opportunity Announcement (FOA) encourages applications that propose to examine associations between nutrition and alcohol-related health outcomes in humans and animal models. The goal of this FOA is to stimulate a broad range of research on the role of nutrition in the development, prevention, and treatment of a variety of alcohol-related health outcomes including alcohol use disorder and chronic disease. Application Receipt/Submission Date(s): Multiple dates; see announcement for details.

• TITLE: Bioengineering Research Grants (BRG) (R01) (PAR-13-137)
SPONSOR: National Cancer Institute, National Institute of Biomedical Imaging and Bioengineering, National Eye Institute, National Heart, Lung, and Blood Institute, National Human Genome Research Institute, National Institute of Allergy and Infectious Diseases, National Institute of Arthritis and Musculoskeletal and Skin Diseases, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute on Deafness and Other Communication Disorders, National Institute of Dental and Craniofacial Research, National Institute on Drug Abuse, National Institute of Environmental Health Sciences, National Institute of General Medical Sciences, National Institute of Neurological Disorders and Stroke

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

• TITLE: Mechanisms, Models, Measurement, & Management in Pain Research (R03) (PA-13-117)
SPONSOR: National Cancer Institute National Institute on Drug Abuse, National Institute of Nursing Research, National Institute on Aging, National Institute of Neurological Disorders and Stroke, Eunice Kennedy Shriver National Institute of Child Health and Human Development

Synopsis: The purpose of this Funding Opportunity Announcement (FOA) is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute injury is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.
Application Receipt/Submission Date(s): Multiple dates; see announcement for details.

• TITLE: Administrative Supplements for Common Basic Sociobehavioral Mechanisms and Processes that Facilitate or Impede Self-Management of Chronic Conditions (Admin Supp) (PA-15-122)
SPONSOR: Office of Behavioral and Social Science Research, National Institute on Aging, National Institute of Biomedical Imaging and Bioengineering, National Institute on Deafness and Other Communication Disorders, National Institute of Diabetes and Digestive and Kidney Diseases, National Institute of Mental Health, National Institute of Nursing Research

NIH Basic Behavioral and Social Science Opportunity Network

Application Receipt/Submission Date(s): Multiple dates, see announcement.

• TITLE: One-Year Administrative Supplements to NICHD-supported Research for FY2015 (Admin Supp) (PA-15-128)
SPONSOR: National Institute of Mental Health

Application Receipt/Submission Date(s): Multiple dates, see announcement.

OTHER FUNDING OPPORTUNITIES

• TITLE: Organized Approaches to Increase Colorectal Cancer Screening http://www.grants.gov/web/grants/view-opportunity.html?oppId=274308
SPONSOR: Centers for Disease Control and Prevention (CDC)
**Synopsis:** The program’s purpose is to increase colorectal cancer (CRC) screening rates among an applicant-defined target population of persons 50-75 years of age within a partner health system, defined geographical areas, or disparate populations. This program has two components: 1) implement evidence-based interventions (EBIs) and other strategies in partnership with health systems to institute organized screening programs and 2) provide direct screening and follow-up services for a limited number of individuals aged 50-64 in the Program’s Priority Population (PPP) who are asymptomatic, at average risk for CRC, have inadequate or no health insurance for CRC screening, and are low-income.

Application Receipt/Submission Date(s): April 14, 2015

- **TITLE:** Smart and Connected Health (SCH)
  - **SPONSOR:** National Science Foundation
  - **Synopsis:** The goal of the Smart and Connected Health (SCH) Program is to accelerate the development and use of innovative approaches that would support the much needed transformation of healthcare from reactive and hospital-centered to preventive, proactive, evidence-based, person-centered and focused on well-being rather than disease. Approaches that partner technology-based solutions with biobehavioral health research are supported by multiple agencies of the federal government including the National Science Foundation (NSF) and the National Institutes of Health (NIH). The purpose of this program is to develop next generation health care solutions and encourage existing and new research communities to focus on breakthrough ideas in a variety of areas of value to health, such as sensor technology, networking, information and machine learning technology, decision support systems, modeling of behavioral and cognitive processes, as well as system and process modeling. Effective solutions must satisfy a multitude of constraints arising from clinical/medical needs, social interactions, cognitive limitations, barriers to behavioral change, heterogeneity of data, semantic mismatch and limitations of current cyberphysical systems. Such solutions demand multidisciplinary teams ready to address technical, behavioral and clinical issues ranging from fundamental science to clinical practice. Two classes of proposals will be considered in response to this solicitation: Exploratory Projects (EXP): One or more investigators spanning 1 to 3 years; Integrative Projects (INT): Multi-disciplinary teams spanning 1 to 4 years.
  - Application Receipt/Submission Date(s): Exploratory (EXP) Proposals October 13, 2015 (October 10, Annually Thereafter); Integrative (INT) Proposals December 10, 2015 (December 10, Annually Thereafter)

- **TITLE:** International Post-Doctoral Research Fellowship Program
  - [http://www.americanitaliancancer.org/research-fellowships.html](http://www.americanitaliancancer.org/research-fellowships.html)
  - **SPONSOR:** American-Italian Cancer Foundation

- **TITLE:** Biomedical Science: Collaborative Awards in Science
  - [http://www.wellcome.ac.uk/Funding/Biomedical-science/Funding-schemes/Science-collaborative-awards/index.htm](http://www.wellcome.ac.uk/Funding/Biomedical-science/Funding-schemes/Science-collaborative-awards/index.htm)
  - **SPONSOR:** Wellcome Trust