• NIH Natural Disaster Policy - Hurricane Matthew  
  (NOT-OD-17-007)  
  National Institutes of Health
• Notice of Change to Expiration Date for PA-13-354 "Advancing the Science of Geriatric Palliative Care (R01)"  
  (NOT-AG-16-076)  
  National Institute on Aging
• Notice of Clarifications for PAR-16-357 "Avenir Award Program for Genetics or Epigenetics of Substance Use Disorders (DP1)"  
  (NOT-DA-16-047)  
  National Institute on Drug Abuse
• Notice of NIBIB Participation in Microphysiological Systems (MPS) for Disease Modeling and Efficacy Testing (UG3/UH3)  
  (NOT-EB-16-010)  
  National Institute of Biomedical Imaging and Bioengineering
• Notice of NHLBI Participation in Microphysiological Systems (MPS) for Disease Modeling and Efficacy Testing (UG3/UH3)  
  (NOT-HL-16-447)  
  National Heart, Lung, and Blood Institute
• Notice of Change in the Application Due Date in RFA-TR-16-017 "Microphysiological Systems (MPS) for Disease Modeling and Efficacy Testing (UG3/UH3)"  
  (NOT-TR-17-005)  
  National Center for Advancing Translational Sciences
• NIH Offers Niche Assessment Program to SBIR and STTR Phase I Awardees  
  (NOT-OD-16-144)  
  National Institutes of Health
• NIH Operates Under a Continuing Resolution  
  (NOT-OD-17-001)  
  National Institutes of Health
• Notice of Information Regarding the "Announcement of Antimicrobial Resistance Rapid, Point-of-Care Diagnostic Test Challenge Competition"  
  (NOT-OD-17-004)  
  National Institutes of Health
• Optional Electronic Submission Method to Request to Submit An Unsolicited Application That Will Exceed $500,000 In Direct Costs  
  (NOT-OD-17-005)  
  National Institutes of Health
• Request for information (RFI): Including Preprints and Interim Research Products in NIH Applications and Reports  
  (NOT-OD-17-006)  
  National Institutes of Health
• Notice of Clarification of the Purpose and Research Objectives and Revised Research Strategy Instructions in PAR-16-115 "Optimization of Monoclonal Antibodies for Eliminating the HIV Reservoir (R01)"  
  (NOT-AI-16-087)  
  National Institute of Allergy and Infectious Diseases, National Institute of Mental Health
• Notice to Inform the Applicant Community that NIDDK Will Not Accept Clinical Trial Applications in Response to Current Small Business Announcements  
  (NOT-DK-16-030)  
  National Institute of Diabetes and Digestive and Kidney Diseases
• AHRQ Policy Guidance Regarding Inflationary Increases (aka, cost-of-living adjustments, or COLAs) beginning in Fiscal Year 2017  
  (NOT-HS-17-001)  
  Agency for Healthcare Research and Quality
• Notice of Correction for the Application Due Date for RFA-NS- 17-002 "High Impact Neuroscience Research Resource Grants (R24)"  
  (NOT-NS-17-001)  
  National Institute of Neurological Disorders and Stroke
• NIH Peer Review Online Briefings for Fellowship and R01 Grant Applicants, and Basic Research Grant Applicants and Reviewers  
  (NOT-OD-16-152)  
  National Institutes of Health
Synopsis: This FOA invites applications for the Microphysiological Systems (MPS) for Disease Modeling and Efficacy Testing Program to develop highly reproducible and translatable in vitro models for preclinical efficacy studies through discovery and validation of translatable biomarkers, development of standardized methods for preclinical efficacy testing and definitive efficacy testing of candidate therapeutics using best practices and rigorous study design. An essential feature will be a multidisciplinary approach that brings together experts in bioengineering, microfluidics, material science, "omic" sciences, computational biology, disease biology, pathology, electrophysiology, pharmacology, biostatistics and clinical science. Applicants responding to this FOA must address objectives for both the UG3 and UH3 phases.

Application Receipt Date(s): December 13, 2016

REQUEST FOR APPLICATIONS

TITLE: Microphysiological Systems (MPS) for Disease Modeling and Efficacy Testing (UG3/UH3)
(RFA-TR-16-017)
SPONSOR: National Center for Advancing Translational Sciences, National Heart, Lung, and Blood Institute, 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 of Dental and Craniofacial Research, National Institute of Diabetes and Digestive and Kidney Diseases, National Institute of Environmental Health Sciences, National Institute of Neurological Disorders and Stroke, Office of Research on Women’s Health

Synopsis: This FOA invites applications for the Microphysiological Systems (MPS) for Disease Modeling and Efficacy Testing Program to develop highly reproducible and translatable in vitro models for preclinical efficacy studies through discovery and validation of translatable biomarkers, development of standardized methods for preclinical efficacy testing and definitive efficacy testing of candidate therapeutics using best practices and rigorous study design. An essential feature will be a multidisciplinary approach that brings together experts in bioengineering, microfluidics, material science, "omic" sciences, computational biology, disease biology, pathology, electrophysiology, pharmacology, biostatistics and clinical science. Applicants responding to this FOA must address objectives for both the UG3 and UH3 phases.

Application Receipt Date(s): December 13, 2016

TITLE: Collaborative Consortia for the Study of HIV Associated Cancers: U.S. and Low-and Middle-Income Country Partnerships (U54)
(RFA-CA-16-018)
SPONSOR: National Cancer Institute, John E. Fogarty International Center

Synopsis: 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. Each application is required to propose between two to three research projects that address high-priority questions relevant to both the LMIC and the NIH HIV/AIDS research agenda. The proposed projects may range, as appropriate, from basic research to translational efforts as well as population and implementation studies. Clinical trials, however, will not be supported. In addition, the proposed consortium must include two mandatory cores; an Administrative Core and a Career Enhancement Core. Additional cores such as Shared Resource cores may be included as appropriate for the needs of the projects.

Application Receipt Date(s): December 20, 2016

- **TITLE:** BD2K Support for Meetings of Data Science Related Organizations (U13)  
  *(RFA-CA-16-020)*

  **SPONSOR:** National Cancer Institute, National Center for Advancing Translational Sciences, National Center for Complementary and Integrative Health, National Eye 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 Drug Abuse, National Institute on Deafness and Other Communication Disorders, National Institute of Dental and Craniofacial Research, National Institute of Diabetes and Digestive and Kidney Diseases, National Institute of Environmental Health Sciences, National Institute of Mental Health, National Institute of Neurological Disorders and Stroke, National Institute of Nursing Research, Office of Behavioral and Social Science Research, Office of Research on Women's Health, The Common Fund/Offerice of Strategic Coordination

  **Synopsis:** 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. This FOA, which uses the NIH conference cooperative agreement program (U13), is part of the NIH-wide initiative, Big Data to Knowledge (BD2K). Data science related organizations have a critical role in advancing biomedical data science but often depend on meetings to carry out their work. This FOA will support high quality conferences or meetings that are relevant to the biomedical data science needs of the participating Institutes and Centers of the National Institutes of Health. 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.

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

- **TITLE:** Population Dynamics Centers Research Infrastructure Program FY 2017 (P2C)  
  *(RFA-HD-17-007)*

  **SPONSOR:** Eunice Kennedy Shriver National Institute of Child Health and Human Development

  **Synopsis:** The purpose of this funding opportunity announcement (FOA) is to advance the field of population dynamics research by increasing research impact, innovation, and productivity; develop junior scientists; and maximize the efficiency of research support.

  Application Receipt Date(s): December 28, 2016

- **TITLE:** Coordinating Center for NICHD Population Dynamics Centers Research Infrastructure Program, FY 2017 (R24)  
  *(RFA-HD-17-022)*

  **SPONSOR:** Eunice Kennedy Shriver National Institute of Child Health and Human Development

  **Synopsis:** The purpose of this funding announcement is to support a coordinating center for the NICHD Population Dynamics Centers Research Infrastructure Programs.

  Application Receipt Date(s): December 28, 2016

- **TITLE:** Limited Competition: The Chernobyl Tissue Bank - Coordinating Center (U24)  
  *(RFA-CA-16-052)*

  **SPONSOR:** National Cancer Institute

  **Synopsis:** 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. The Chernobyl Tissue Bank Coordinating Center is the critical infrastructure that serves this goal and functions to lead, plan, integrate, and achieve the stated research objectives in collaboration with the participating institutions in the Chernobyl-affected countries.

  Application Receipt Date(s): January 20, 2017
• **TITLE:** BRAIN Initiative: Next-Generation Invasive Devices for Recording and Modulation in the Human Central Nervous System (U44)
  (RFA-NS-17-007)
  **SPONSOR:** National Institute of Neurological Disorders and Stroke, National Center for Complementary and Integrative Health, National Eye Institute, National Institute on Aging, National Institute on Alcohol Abuse and Alcoholism, National Institute of Biomedical Imaging and Bioengineering, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development, National Institute on Drug Abuse, National Institute on Deafness and Other Communication Disorders, National Institute of Mental Health
  **Synopsis:** 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.
  Application Receipt Date(s): Multiple dates, see announcement.

• **TITLE:** BRAIN Initiative: SBIR Direct to Phase II Next-Generation Invasive Devices for Recording and Modulation in the Human Central Nervous System (U44)
  (RFA-NS-17-008)
  **SPONSOR:** National Institute of Neurological Disorders and Stroke, National Center for Complementary and Integrative Health, National Eye Institute, National Institute on Aging, National Institute on Alcohol Abuse and Alcoholism, National Institute of Biomedical Imaging and Bioengineering, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development, National Institute on Drug Abuse, National Institute on Deafness and Other Communication Disorders, National Institute of Mental Health
  **Synopsis:** The purpose of this Funding Opportunity Announcement (FOA) is to encourage small business concerns (SBCs) to pursue translational non-clinical studies and clinical studies for recording and/or stimulating devices to treat nervous system disorders and thereby better understand the human brain.
  Application Receipt Date(s): Multiple dates, see announcement.

• **TITLE:** NIH-CASIS Coordinated Microphysiological Systems Program for Translational Research in Space (UG3/UH3)
  (RFA-TR-16-019)
  **SPONSOR:** National Center for Advancing Translational Sciences
  **Synopsis:** The purpose of this FOA is to promote the development of in vitro microphysiological systems in modeling human diseases and conditions that mimic the pathology in major organs and tissues in the human body, when exposed to the extreme environments of space, and the use of these models at the International Space Station-U.S. National Laboratory (ISS-NL) to facilitate the assessment of biomarkers, bioavailability, efficacy, and toxicity of therapeutic agents prior to entry into clinical trials. Funds from the NIH will be made available through the UG3/UH3 cooperative agreement mechanism. During the initial two-year UG3 phase, support will be provided to develop robust models that recapitulate the progression and pathology of human diseases and conditions exposed to prolonged microgravity environment. Following administrative review, the two-year UH3 phase will build upon successful UG3 models to demonstrate the functional utility of the models for more defined experiments at the ISS-NL. It is anticipated that these studies will lead to identification of novel treatment mechanisms through better understanding of disease biology, drug screening, assessment of candidate therapies for efficacy and safety assessments, and establishing the pre-clinical foundation that will inform clinical trial design on Earth.
  Application Receipt Date(s): December 15, 2016

**PROGRAM ANNOUNCEMENTS**

• **TITLE:** Spatial Uncertainty: Data, Modeling, and Communication (R01)
  (PA-15-010)
  **SPONSOR:** National Cancer Institute, National Institute of Allergy and Infectious Diseases, National Institute of Environmental Health Sciences, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development
  **Synopsis:** 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.

• **TITLE:** Spatial Uncertainty: Data, Modeling, and Communication (R03); (R21)
  (PA-15-011); (PA-15-009)
  **SPONSOR:** National Cancer Institute, National Institute of Allergy and Infectious Diseases, National Institute of Environmental Health Sciences, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development
  **Synopsis:** 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.

- **TITLE: High Throughput Screening (HTS) to Discover Chemical Probes (R21)**  
  (PAR-14-283)  
  **SPONSOR:** National Institute of Mental Health, National Cancer Institute, National Institute on Aging, National Institute on Alcohol Abuse and Alcoholism, 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 on Drug Abuse  
  **Synopsis:** 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. Through this FOA, NIH wishes to stimulate research in 1) discovery and development of novel, small molecules for their potential use in studying disease treatments relevant to the missions of the participating NIH Institutes, and 2) discovery and/or validation of novel, biological targets that will inform studies of disease mechanisms. Emphasis will be placed on projects that provide new insight into important disease targets and processes.

- **TITLE: Advancing the Science of Geriatric Palliative Care (R03)**  
  (PA-13-356)  
  **SPONSOR:** National Institute on Aging, National Cancer Institute  
  **Synopsis:** This Funding Opportunity Announcement (FOA) encourages research grant applications focused on palliative care in geriatric populations. This R03 announcement specifically encourages projects primarily aimed at collection of pilot data, demonstration of feasibility, development of new methodology, or other goals of limited scope requiring short-term support. This FOA emphasizes studies in a variety of settings including ambulatory care, hospitals (and specific sites within hospitals including specialty wards, intensive care units and emergency departments), assisted living facilities, and short- and long-term care facilities; however, hospice and end-of-life settings are not included within the scope of this FOA, as they are the subject of other NIH programs. Rather, this FOA highlights research on palliative care in settings and at time points earlier in geriatric patients' disease or disability trajectories. Types of studies may include observational, quasi-experimental, or pilot interventional studies using primary data collection and/or secondary analyses. Leveraging on-going cohorts, intervention studies, networks, data and specimen repositories, and other existing resources and infrastructure are encouraged.

- **TITLE: Modeling Social Behavior (R01)**  
  (PAR-13-374)  
  **SPONSOR:** National Cancer Institute, National Institute on Alcohol Abuse and Alcoholism, National Institute of Biomedical Imaging and Bioengineering, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Dental and Craniofacial Research, National Institute of Environmental Health Sciences, National Institute of Mental Health, National Center for Complementary and Integrative Health, Division of Program Coordination, Planning and Strategic Initiatives, Office of Behavioral and Social Sciences Research, Division of Program Coordination, Planning and Strategic Initiatives, Office of Disease Prevention  
  **Synopsis:** This Funding Opportunity Announcement (FOA) encourages applications for developing and testing innovative theories and computational, mathematical, or engineering approaches to deepen our understanding of complex social behavior. This research will examine phenomena at multiple scales to address the emergence of collective behaviors that arise from individual elements or parts of a system working together. Emergence can also describe the functioning of a system within the context of its environment. Often properties we associate with a system itself are in actuality properties of the relationships and interactions between a system and its environment. This FOA will support research that explores the often complex and dynamic relationships among the parts of a system and between the system and its environment in order to understand the system as a whole.

- **TITLE: Early Stage Development of Technologies in Biomedical Computing, Informatics, and Big Data Science (R41/R42)**  
  (PA-14-157)
SPONSOR: National Institute of General Medical Sciences, National Human Genome Research Institute, 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 Drug Abuse, National Institute of Environmental Health Sciences, National Institute of Mental Health, National Institute of Neurological Disorders and Stroke, National Institute of Nursing Research, National Library of Medicine, National Cancer Institute, Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs

Synopsis: This funding opportunity announcement (FOA) encourages Small Business Technology Transfer (STTR) grants 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. It is expected that this research and development is conducted in the context of important biomedical and behavioral research problems. As such, applications are intended to develop enabling technologies that could apply to the interests of most NIH Institutes and Centers and range from basic biomedicine to research in all relevant organ systems and diseases. Major themes of research include collaborative environments; data integration; analysis and modeling methodologies; and novel computer science and statistical approaches. New opportunities are also emerging as large and complex data sets are becoming increasingly available to the research community.

- **TITLE:** Examination of Survivorship Care Planning Efficacy and Impact (R01) (PA-16-012)
  **SPONSOR:** National Cancer Institute
  **Synopsis:** The purpose of this Funding Opportunity Announcement (FOA) is to stimulate research evaluating the effect of care planning on self-management of late effects of cancer therapy; adherence to medications, cancer screening, and health behavior guidelines; utilization of follow-up care: survivors' health and psychosocial outcomes. How organizational-level factors influence the implementation of care planning and its associated costs is also of interest. 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; 3) evaluate effects of planning on systems outcomes, such as associated costs and impact on providers and organizations implementing the care planning; and 4) identify models and processes of care that promote effective survivorship care planning. The ultimate goal of this FOA is to generate a body of science that will inform the development and delivery of interventions that improve follow-up care for cancer survivors.

- **TITLE:** Large Health Services Research Demonstration and Dissemination Projects for Prevention of Healthcare-Associated Infections (R18) (PA-17-007)
  **SPONSOR:** Agency for Healthcare Research and Quality
  **Synopsis:** This FOA issued by AHRQ invites grant applications for funding to conduct Large Health Services Research Demonstration and Dissemination Projects (R18) that propose to address strategies and approaches for prevention and reduction of Healthcare-Associated Infections (HAIs). The FOA describes the broad areas of HAI research for which funds are available to support Health Services Research Demonstration and Dissemination Projects Application Receipt/Submission Date(s): Standard dates apply Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

- **TITLE:** Large Research Projects for Prevention of Healthcare-Associated Infections (R01) (PA-17-008)
  **SPONSOR:** Agency for Healthcare Research and Quality
  **Synopsis:** This FOA issued by AHRQ invites grant applications for funding to conduct Large Research Projects (R01) that propose to advance the base of knowledge for detection, prevention, and reduction of Healthcare-Associated Infections (HAIs). The FOA describes the broad areas of HAI research for which funds are available to support Large Research Projects Application Receipt/Submission Date(s): Standard dates

- **TITLE:** National Cancer Institute Program Project Applications (P01) (PAR-16-457)
  **SPONSOR:** National Cancer Institute
  **Synopsis:** With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated Program Project (P01) applications. The proposed Program may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer prevention, cancer diagnosis, cancer treatment, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each application submitted in response to this FOA must consist of at least three research projects and an Administrative Core. The projects must share a common central theme, focus, and/or overall objective. Application Receipt/Submission Date(s): Standard dates apply, by 5:00 PM local time of applicant organization. The first
standard due date for this FOA is January 25, 2017. Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

- TITLE: NINDS Ruth L. Kirschstein National Research Service Award (NRSA) for Training of Postdoctoral Fellows (F32)
  (PAR-16-458)
  SPONSOR: National Institute of Neurological Disorders and Stroke
  Synopsis: The purpose of this award is to support outstanding scientific training of highly promising postdoctoral candidates with outstanding mentors. Candidates are eligible to apply for support from this program from ~12 months prior to the start of the proposed postdoctoral position to within 12 months after starting in postdoctoral position. Based on the early timeframe of eligibility, and the discouragement of inclusion of preliminary data, this NINDS F32 seeks to foster early goal-directed planning and to encourage applications for bold and/or innovative projects by the candidate that have the potential for significant impact. Applications are expected to incorporate strong training in quantitative reasoning and the quantitative principles of experimental design and analysis. Support by this program is limited to the first 3 years of a candidate's activity in a specific laboratory or research environment, so as to further encourage early fellowship application and timely completion of “mentored training” of the postdoctoral candidate in a single environment.
  Application Receipt/Submission Date(s): Standard dates apply, by 5:00 PM local time of applicant organization.

- TITLE: Emerging Global Leader Award (K43)
  (PAR-17-001)
  SPONSOR: John E. Fogarty International Center, National Cancer Institute, National Human Genome Research Institute, National Institute of Dental and Craniofacial Research, National Institute of Environmental Health Sciences National Institute of Mental Health, National Institute of Neurological Disorders and Stroke, Office of Research on Women's Health
  Synopsis: The purpose of the Fogarty Emerging Global Leader Award is to provide research support and protected time (three to five years) to an early career research scientist from a low- or middle-income country (LMIC) who holds a junior faculty position at an LMIC academic or research institution, as defined by the World Bank (http://data.worldbank.org/about/country-classifications/country-and-lending-groups, including “low-income,” “lower-middle-income,” and “upper-middle-income” countries). This intensive, mentored research career development experience is expected to lead to an independently funded research career at the LMIC institution or in another LMIC. This Funding Opportunity Announcement (FOA) invites applications from LMIC scientists from any health-related discipline who propose career development activities and a research project that is relevant to the health priorities of their country under the mentorship of LMIC and U.S. mentors.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

- TITLE: International Research Scientist Development Award (IRSDA) (K01)
  (PAR-17-002)
  SPONSOR: John E. Fogarty International Center, National Cancer Institute
  Synopsis: 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), as defined by the World Bank (http://data.worldbank.org/about/country-classifications/country-and-lending-groups, including “low-income,” “lower-middle-income,” and “upper-middle-income” countries) leading to an independently-funded research career focused on global health. This Funding Opportunity Announcement (FOA) invites applications from early-career investigators from any health-related discipline who propose career development activities and a research project that is relevant to the health priorities of the LMIC under the mentorship of LMIC and U.S. mentors.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

- TITLE: Revision Applications for Validation of Biomarker Assays Developed Through NIH-Supported Research Grants (R01)
  (PAR-17-003)
  SPONSOR: National Cancer Institute
  Synopsis: 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. Research applications may support acquisition of well-annotated specimens from NCI-supported or other clinical trials or observational cohorts/consortia for the purpose of clinical validation of the assay. Research projects proposed for this FOA encourage multi-disciplinary interaction among scientific investigators, assay developers, clinicians, statisticians and clinical laboratory staff. Clinical laboratory scientist(s) and statistical experts are highly encouraged to comprise integral parts of the application. This FOA is not intended to support early stage development of technology or the conduct of clinical trials, but rather the adaption and validation of assays to the point where they could be integrated into clinical trials as investigational
• **TITLE: Secondary Analyses of Existing Datasets in Heart, Lung, and Blood Diseases and Sleep Disorders (R21)**
  (PAR-17-004)
  **SPONSOR:** National Heart, Lung, and Blood Institute
  **Synopsis:** The goal of this funding opportunity is to stimulate the use of existing human datasets for well-focused secondary analyses to investigate novel scientific ideas or new models, systems, tools, methods, or technologies that have the potential for significant impact on biomedical or biobehavioral research in areas relevant to the NHLBI mission. This FOA actively supports the use of existing database resources to conduct additional analyses secondary to a project's originally-intended primary purpose. Applications may be related to, but must be distinct from, the specific aims of the original data collection; it will not support the collection of new data.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

• **TITLE: In-Depth Phenotyping and Research Using IMPC-Generated Knockout Mouse Strains Exhibiting Embryonic or Perinatal Lethality or Subviability (R01)**
  (PAR-17-005)
  **SPONSOR:** Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Dental and Craniofacial Research
  **Synopsis:** The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications to phenotype and/or perform research on embryonic lethal knockout (KO) mouse strains being generated through the International Mouse Phenotyping Consortium (IMPC) of which the NIH Knockout Mouse Phenotyping Program (KOMP2) is a member. The KOMP2 KO mouse phenotyping effort has generated 2,500 mouse strains with plans to generate an additional 6,000 over the next five years. Overall, the IMPC hopes to achieve broad-based phenotyping of 20,000 KO strains. About 30% of these strains either are or are expected to be embryonic or perinatal lethal or subviable. A large portion of homozygous lethal mutations are expected to have viable heterozygous phenotypes. The scientific community has the unique opportunity to leverage these mouse strains while they are being created and bred as part of the IMPC adult mouse phenotyping effort to perform additional in-depth phenotyping and research.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

• **TITLE: Animal and Biological Material Resource Centers (P40)**
  (PAR-17-006)
  **SPONSOR:** Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs
  **Synopsis:** This FOA encourages grant applications for national Animal Model, and Biological Material Resource Centers. These Centers provide support for special colonies of laboratory animals, as well as other resources such as informatics tools, reagents, cultures (cells, tissues, and organs) and genetic stocks that serve the biomedical research community in a variety of research areas on a local, regional, national and international basis. Support for Animal and Biological Material Resource Centers is limited to those that span the interests of two or more categorical NIH Institutes/Centers/Offices (ICOs). Application Receipt/Submission Date(s): Standard dates apply, by 5:00 PM local time of applicant organization.

• **TITLE: Kidney Precision Medicine Project - Technology Development and Validation (R41/R42; R43/R44)**
  (PA-16-451) (PA-16-452)
  **SPONSOR:** National Institute of Diabetes and Digestive and Kidney Diseases
  **Synopsis:** The purpose of this Funding Opportunity Announcement (FOA) is to encourage small businesses to address the technological needs of the Kidney Precision Medicine Project (KPMP). The KPMP will obtain and evaluate kidney biopsies from participants with acute kidney injury (AKI) and chronic kidney disease (CKD), create a kidney tissue atlas, define disease subgroups, and identify critical cells, pathways and targets for novel therapies. Proposed technologies are expected to improve the safety of the human kidney biopsy or enhance interrogation of human kidney tissue, thus ensuring that the kidney biopsy yields useful research or clinical information.
  Application Receipt/Submission Date(s): Standard dates apply, by 5:00 PM local time of applicant organization.

• **TITLE: AHRQ Conference Grant Programs (R13)**
  (PA-16-453)
  **SPONSOR:** Agency for Healthcare Research and Quality
  **Synopsis:** The Agency for Healthcare Research and Quality (AHRQ) announces its interest in supporting conferences through the AHRQ Single Year and Multiple Year Conference Grant Programs (R13). AHRQ seeks to support conferences that help to further its mission to produce evidence to make health care safer, higher quality, more accessible, equitable and affordable, and to work with HHS and other partners to make sure that the evidence is understood and used (http://www.ahrq.gov/funding/policies/foaguidance/index.html). The types of conferences eligible for support include: 1) Research Development - conferences where issues or challenges in the practice and delivery of health care are defined and a research agenda or strategy for studying them is developed; 2) Research design and methodology - conferences where methodological and technical issues of major importance in the field of health services research are addressed or new designs and methodologies are developed; 3) Dissemination and
implementation - conferences where research findings and evidence-based information and tools are summarized, communicated and used by organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or, 4) Research training, infrastructure and career development - conferences where faculty, trainees and students are brought together with stakeholders to develop, share or disseminate research products, experiences, curricula, syllabi, or training competencies. These types of conferences are not for the training of individuals in health services research. The applicant must clearly identify which type of conference is being proposed. AHRQ is especially interested in supporting conferences that demonstrate strategies that include plans for disseminating complementary conference materials and products beyond the participants attending the event. Regionally-based conferences are acceptable with the expectation that plans will be developed for national dissemination. Such strategies might include, but are not limited to, submitting articles for publication, posting information on a website, and seeking formal opportunities to discuss conference information with others.

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

- **TITLE:** International Bioethics Research Training Program (D43)  
  **SPONSOR:** John E. Fogarty International Center  
  **Synopsis:** The overall goal of this initiative is to support the development of a sustainable critical mass of bioethics scholars in low and middle income country (LMIC) research intensive institutions with the capabilities to conduct original empirical or conceptual ethics research that addresses challenging issues in health research and research policy in these countries as well as provide research ethics leadership to their institutions, governments and international research organizations. FIC will support LMIC-U.S. collaborative institutional bioethics doctoral and postdoctoral research training programs that incorporate didactic, mentored research and training components to prepare a number of individuals with ethics expertise for positions of scholarship and leadership in health research institutions in the LMIC.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

- **TITLE:** Research on the Mechanisms and/or Behavioral Outcomes of Multisensory Processing (R01)  
  **SPONSOR:** National Institute on Aging, National Center for Complementary and Integrative Health, National Cancer Institute, National Eye Institute, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute on Drug Abuse, National Institute on Deafness and Other Communication Disorders, National Institute of Dental and Craniofacial Research, National Institute of Neurological Disorders and Stroke, Office of Behavioral and Social Sciences Research, Office of Research on Women’s Health  
  **Synopsis:** This FOA encourages research grant applications investigating multisensory processing in perception or other behavioral and social outcomes and/or the mechanisms underlying multisensory processing in the context of the described specific areas of research interests from the participating NIH Institutes, Centers, and Offices (ICOs). The FOA is intended to encourage basic, behavioral, and/or clinical research projects examining the interactions between other neural systems, such as cognitive, affective, or motor processes, and multiple sensory modalities.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

- **TITLE:** Opportunities for Collaborative Research at the NIH Clinical Center (U01)  
  **SPONSOR:** Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Cancer Institute, National Eye Institute, National Heart, Lung, and Blood Institute, 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, National Institute on Deafness and Other Communication Disorders, National Institute of Dental and Craniofacial Research, National Institute of Diabetes and Digestive and Kidney Diseases, National Institute on Drug Abuse, National Institute of Mental Health, National Institute of Neurological Disorders and Stroke, National Center for Complementary and Integrative Health, Office of Dietary Supplements, Office of Research on Women’s Health  
  **Synopsis:** The program seeks to broaden and strengthen translational research collaborations between basic and clinical researchers both within and outside NIH to accelerate and enhance translational science by promoting partnerships between NIH intramural investigators (e.g., those conducting research within the labs and clinics of the NIH) and extramural investigators (e.g., those conducting research in labs outside the NIH), and by providing support for extramural investigators to take advantage of the unique research opportunities available at the NIH Clinical Center by conducting research projects in collaboration with NIH intramural investigators. In order to be eligible for this program, the application must include at least one intramural scientist as Program Director/Principal Investigator or collaborator, and at least some of the research must be conducted at the NIH Clinical Center.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

**OTHER FUNDING OPPORTUNITIES**

(Sponsors in bold are NIH Peer Reviewed Organizations)
- **TITLE:** Translational Research Program: Leukemia and Lymphoma, Familial Platelet Disease (FPD) / RUNX1 and Myeloma  
  [http://www.lls.org/research/translational-research-program](http://www.lls.org/research/translational-research-program)  
  **SPONSOR:** Leukemia & Lymphoma Society (LLS)  
  **Synopsis:** Applications are sought proposing novel approaches to the prevention, diagnosis or treatment of hematological malignancies and related pre-malignant conditions. Proposals should be based on molecular, cellular or integrated systems findings and be conceptually innovative. The application should have a clear plan for the clinical translation of the studies proposed and the results expected. This feature will be an important consideration of the review process.

- **TITLE:** Pancreatic Cancer Action Network Precision Medicine Targeted Grant (To open December 1, 2016)  
  [https://www.pancan.org/research/grants-program/apply-for-a-pancreatic-cancer-research-grant/](https://www.pancan.org/research/grants-program/apply-for-a-pancreatic-cancer-research-grant/)  
  **SPONSOR:** Pancreatic Cancer Action Network

- **TITLE:** Pancreatic Cancer Action Network Early Detection Targeted Grant (To open December 1, 2016)  
  [https://www.pancan.org/research/grants-program/apply-for-a-pancreatic-cancer-research-grant/](https://www.pancan.org/research/grants-program/apply-for-a-pancreatic-cancer-research-grant/)  
  **SPONSOR:** Pancreatic Cancer Action Network

- **TITLE:** Pancreatic Cancer Action Network Translational Research Grant  
  **SPONSOR:** Pancreatic Cancer Action Network

- **TITLE:** Pancreatic Cancer Action Network – NCI, Frederick National Laboratory for Cancer Research KRAS Travel Scholarship  
  **SPONSOR:** Pancreatic Cancer Action Network & NCI Frederick National Laboratory for Cancer Research

- **TITLE:** Pancreatic Cancer Action Network – AACR Pathway to Leadership Grant  
  **SPONSOR:** Pancreatic Cancer Action Network - AACR

- **TITLE:** Claudia Cohen Research Foundation Prize for Outstanding Gynecologic Cancer Researcher  
  **SPONSOR:** Society of Gynecologic Oncology (SGO), Foundation for Women's Cancer (FWC)

- **TITLE:** Research Grants  
  [http://pscpartners.org/research-grants/grant-application/](http://pscpartners.org/research-grants/grant-application/)  
  **SPONSOR:** PSC Partners Seeking a Cure

- **TITLE:** Research Grants  
  [https://tbbcf.org/tbbcf-research-grants/granting-process/](https://tbbcf.org/tbbcf-research-grants/granting-process/)  
  **SPONSOR:** Terri Brodeur Breast Cancer Foundation (TBBCF)

- **TITLE:** Virginia Henderson Clinical Research Grant  
  [http://www.nursingsociety.org/advance-elevate/research/research-grants/virginia-henderson-clinical-research-grant](http://www.nursingsociety.org/advance-elevate/research/research-grants/virginia-henderson-clinical-research-grant)  
  **SPONSOR:** Sigma Theta Tau International Honor Society of Nursing (STTI)

- **TITLE:** Breast Cancer Research Initiative  
  [http://bccr.org/research/](http://bccr.org/research/)  
  **SPONSOR:** Breast Cancer Coalition of Rochester

- **TITLE:** Medical Research Grants  
  **SPONSOR:** Friends for an Earlier Breast Cancer Test

- **TITLE:** Kimmel Scholar Award  
  [http://kimmel.org/kimmel-scholars/](http://kimmel.org/kimmel-scholars/)  
  **SPONSOR:** Kimmel Foundation for Cancer Research, Sidney

- **TITLE:** CORE Grants: AHNS Pilot Grant  
  [http://www.entnet.org/content/centralized-otolaryngology-research-efforts-core-grants-program](http://www.entnet.org/content/centralized-otolaryngology-research-efforts-core-grants-program)  
  **SPONSOR:** American Academy of Otolaryngology - Head and Neck Surgery Foundation (AAO-HNSF)
• **TITLE:** HVTN Research and Mentorship Program (RAMP) Scholar Program for African-American and Latino/a Medical Students  
  **SPONSOR:** Fred Hutchinson Cancer Research Center, HIV Vaccine Trials Network (HVTN)

• **TITLE:** Merit Awards - Genitourinary Cancers Symposium  
  [http://gucasym.asco.org/merit-awards-0](http://gucasym.asco.org/merit-awards-0)  
  **SPONSOR:** American Society of Clinical Oncology (ASCO), Conquer Cancer Foundation

• **TITLE:** Distinguished Scientist Awards  
  **SPONSOR:** Sontag Foundation

• **TITLE:** Mitchell B. Max Award for Neuropathic Pain  
  **SPONSOR:** American Academy of Neurology (AAN)