NOTICES
National Institutes of Health

• NIH Implementation of Final Research Performance Progress Reports (Final RPPR) (NOT-OD-17-022)
• Notice of Expiration of PAR-15-108 "Multilevel Interventions in Cancer Care Delivery: Building from the Problem of Follow-up to Abnormal Screening Tests (U01)" (NOT-CA-17-005)
• Notice of Participation of the National Institute of Dental and Craniofacial Research (NIDCR) in PA-15-105 "Novel Biomarkers for the Development of HIV Incidence Assays with Improved Specificity (R01)" (NOT-DE-17-003)
• Notice of Participation of the National Institute of Dental and Craniofacial Research (NIDCR) in PA-15-106 "Novel Biomarkers for the Development of HIV Incidence Assays with Improved Specificity (R21)" (NOT-DE-17-004)
• Notice To Announce Continued Funding and Updated Research Objectives for PAS-16-033 "Stimulating Hematology Investigation: New Endeavors (SHINE) (R01)" (NOT-DK-17-002)
• Notice of Change to Eligibility in RFA-HL-18-002 "Perinatal Stroke (R01)" (NOT-HL-16-469)
• Notice of NHLBI Participation in NOT-LM-17-001 "Notice of Interest in High Priority Research in Bioethical, Legal, and Societal Implications of Biomedical Research" (NOT-HL-16-471)
• Request for Information (RFI): NHLBI Translational Research (NOT-HL-16-472)
• Notice of NINDS Participation in RFA-HL-18-002 "Perinatal Stroke (R01)" (NOT-NS-17-009)
• Reminder: Annual Reports to the Office of Laboratory Animal Welfare due January 31, 2017 (NOT-OD-17-024)
• NIA Intervention Testing Program (ITP) Announces Annual Call for Compounds to Test for Anti-Aging Activity in Mice (NOT-AG-16-082)
• Notice Announcing Pre-application Information Webinar for NICHD Genomic Clinical Variant Expert Curation Panels (U24) (NOT-HD-16-035)
• Notice of Change to the Award Budget for PAR-16-402 "NHLBI Program Project Applications (P01)" (NOT-HL-16-465)
• Notice of Update to Instructions for Data Tables for RFA-HL-16-008 "Short-Term Research Education Program to Increase Diversity in Health-Related Research (R25)" (NOT-HL-16-476)
• Notice of Extension of the Response Date for NOT-HL-16-451 "Request for Information (RFI) for Scientific Opportunities and Needs for NHLBI Ancillary Studies" (NOT-HL-16-478)
• Reminder to AHRQ Grantees that FY2012 Funds will Expire on September 30, 2017 (NOT-HS-17-004)
• Notice Announcing NIMH-specific Policies Related to New Salary Allowances for K08 and K23 Career Development Awards (NOT-MH-17-006)
• Notice of Extension of the Response Date for NOT-OD-17-015 "Strategies for NIH Data Management, Sharing, and Citation" (NOT-OD-17-025)
• Notice of Intent to Publish a Funding Opportunity Announcement for Basic Mechanisms of Brain Development for Substance Use and Dependence (R01) (NOT-DA-17-004)

Agency for Healthcare Research and Quality

• Notice of Expiration of PAR-15-108 "Multilevel Interventions in Cancer Care Delivery: Building from the Problem of Follow-up to Abnormal Screening Tests (U01)"
• Notice of Participation of the National Institute of Dental and Craniofacial Research (NIDCR) in PA-15-105 "Novel Biomarkers for the Development of HIV Incidence Assays with Improved Specificity (R01)"
• Notice of Participation of the National Institute of Dental and Craniofacial Research (NIDCR) in PA-15-106 "Novel Biomarkers for the Development of HIV Incidence Assays with Improved Specificity (R21)"
• Notice of Change to Eligibility in RFA-HL-18-002 "Perinatal Stroke (R01)"
• Notice of NHLBI Participation in NOT-LM-17-001 "Notice of Interest in High Priority Research in Bioethical, Legal, and Societal Implications of Biomedical Research"
• Reminder: Annual Reports to the Office of Laboratory Animal Welfare due January 31, 2017
• NIA Intervention Testing Program (ITP) Announces Annual Call for Compounds to Test for Anti-Aging Activity in Mice
• Notice Announcing Pre-application Information Webinar for NICHD Genomic Clinical Variant Expert Curation Panels (U24)
• Notice of Change to the Award Budget for PAR-16-402 "NHLBI Program Project Applications (P01)"
• Notice of Update to Instructions for Data Tables for RFA-HL-16-008 "Short-Term Research Education Program to Increase Diversity in Health-Related Research (R25)"
• Notice of Extension of the Response Date for NOT-HL-16-451 "Request for Information (RFI) for Scientific Opportunities and Needs for NHLBI Ancillary Studies"
• Reminder to AHRQ Grantees that FY2012 Funds will Expire on September 30, 2017
• Notice Announcing NIMH-specific Policies Related to New Salary Allowances for K08 and K23 Career Development Awards
• Notice of Extension of the Response Date for NOT-OD-17-015 "Strategies for NIH Data Management, Sharing, and Citation"
• Notice of Intent to Publish a Funding Opportunity Announcement for Basic Mechanisms of Brain Development for Substance Use and Dependence (R01)
• Notice of Intent to Publish a Funding Opportunity Announcement for Discovering Novel Targets: The Molecular Genetics of Drug Addiction and Related Co-Morbidities (R01) (NOT-DA-17-005)
  National Institute on Drug Abuse

• Revision: Participation of the National Institute of Dental and Craniofacial Research (NIDCR) in PAR-15-282 "Multidisciplinary Studies of HIV/AIDS and Aging (R21)"
  (NOT-DE-17-005)
  National Institute of Dental and Craniofacial Research

• Revision: Participation of the National Institute of Dental and Craniofacial Research (NIDCR) in PA-15-105 "Novel Biomarkers for the Development of HIV Incidence Assays with Improved Specificity (R01)"
  (NOT-DE-17-007)
  National Institute of Dental and Craniofacial Research

• Revision: Participation of the National Institute of Dental and Craniofacial Research (NIDCR) in PA-15-106 "Novel Biomarkers for the Development of HIV Incidence Assays with Improved Specificity (R21)"
  (NOT-DE-17-008)
  National Institute of Dental and Craniofacial Research

• Notice of Pre-application Conference Call for the APOLO Network Consortium Project "RFA-DK-16-024 Scientific and Data Research Center, and RFA-DK-16-025 Clinical Centers (Collaborative U01)"
  (NOT-DK-17-004)
  National Institute of Diabetes and Digestive and Kidney Diseases

• Request for Information (RFI): Biological Mechanisms/Pathways of the Combined Effects of Chemical and Non-chemical Stressors Associated with Atherosclerosis
  (NOT-ES-17-003)
  National Institute of Environmental Health Sciences

• Notice of Intent to Publish a Funding Opportunity Announcement for Catalyzing Innovation in Late Phase Clinical Trial Design and Statistical Analysis Plans (U34)
  (NOT-HL-16-473)
  National Heart, Lung, and Blood Institute

• Notice of Intent to Publish a Funding Opportunity Announcement for Catalyzing Innovation in Late Phase Clinical Trial Design and Statistical Analysis Plans (X01)
  (NOT-HL-16-474)
  National Heart, Lung, and Blood Institute

• Notice of Intent to Publish a Funding Opportunity Announcement for NHLBI Early Phase Clinical Trials for Therapeutics and/or Diagnostics (R61/R33)
  (NOT-HL-16-475)
  National Heart, Lung, and Blood Institute

• Notice of Intent to Publish a Funding Opportunity Announcement for Sex Hormone Induced Thromboembolism in Pre-Menopausal Women (R61/R33)
  (NOT-HL-16-477)
  National Heart, Lung, and Blood Institute

• Collaborative Research in Computational Neuroscience (CRCNS) Innovative Approaches to Science and Engineering Research on Brain Function
  (NOT-MH-17-003)
  National Institute of Mental Health, National Center for Complementary and Integrative Health, National Eye 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 on Drug Abuse
  National Institute on Deafness and Other Communication Disorders, National Institute of Neurological Disorders and Stroke

• Notice to Encourage Eligible NIH BRAIN Initiative Awardees to Apply for Administrative Supplements to Promote Diversity, PA-16-288 "Research Supplements to Promote Diversity in Health-Related Research (Admin Supp)"
  (NOT-MH-17-008)
  National Institute of Mental Health, National Eye Institute, National Institute of Biomedical Imaging and Bioengineering
  National Institute of Neurological Disorders and Stroke

• Notice Regarding Revision Applications and Applications for new TPGs for PAR-15-352 "Occupational Safety and Health Training Project Grants (T03)"
  (NOT-OH-17-003)
  National Institute for Occupational Safety and Health

• Notice Regarding Revision Applications and Applications for new ERCs for PAR-15-303 "Occupational Safety and Health Education and Research Centers (T42)"
  (NOT-OH-17-004)
  National Institute for Occupational Safety and Health

• Notice of Plans for NIOSH Implementation of Data Management and Access Policy
  (NOT-OH-17-005)
  National Institute for Occupational Safety and Health

• Soon to be Issued Funding Opportunity for All of Us Research Program Community Engagement (OT2)
  (NOT-PM-17-001)
  National Institutes of Health
REQUEST FOR APPLICATIONS

**TITLE:** Revision Applications for U.S.-South Africa Program for Collaborative Biomedical Research (R01) (RFA-AI-16-082)
**SPONSOR:** National Institute of Allergy and Infectious Diseases, National Cancer Institute, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Mental Health
**Synopsis:** The purpose of this Funding Opportunity Announcement (FOA) is to provide funding to expand specific activities under the U.S.-South Africa Program for Collaborative Biomedical Research (R01). The purpose of the opportunities under the revision application is to enhance the pool of investigators in South Africa who are from underrepresented backgrounds in the country's workforce and who are engaged in collaborative research activities in the areas of tuberculosis (TB), HIV/AIDS biomedical and behavioral science, and HIV-related co-morbidities, including malignancies.
Application Receipt Date(s): March 28, 2017

**TITLE:** Revision Applications for U.S.-South Africa Program for Collaborative Biomedical Research (U01) (RFA-AI-16-083)
**SPONSOR:** National Institute of Allergy and Infectious Diseases, National Cancer Institute, Eunice Kennedy Shriver National Institute of Child Health and Human Development
**Synopsis:** The purpose of this Funding Opportunity Announcement (FOA) is to provide funding to expand specific activities under the U.S.-South Africa Program for Collaborative Biomedical Research (U01). The purpose of the opportunities under the revision application is to enhance the pool of investigators in South Africa who are from underrepresented backgrounds in the country's workforce and who are engaged in collaborative research activities in the areas of tuberculosis (TB), HIV/AIDS biomedical and behavioral science, and HIV-related co-morbidities, including malignancies.
Application Receipt Date(s): March 28, 2017

**TITLE:** PDX Development and Trial Centers (PDTCs) (U54) (RFA-CA-17-003)
**SPONSOR:** National Cancer Institute
**Synopsis:** This funding opportunity announcement (FOA) solicits applications for PDX (patient-derived xenografts) Development and Trial Centers (PDTCs) to serve as the laboratory research units of the PDX Development and Trial Centers Research Network (PDXNet). The PDXNet is a National Cancer Institute (NCI) program established to coordinate collaborative, large-scale development and pre-clinical testing of targeted therapeutic agents in patient-derived models to advance the vision of cancer precision medicine. The main goals for PDTCs include: Development of new PDX models and methods for preclinical testing of single agents and drug combinations; and Conducting studies of response of PDX models to novel therapeutic strategies using the newly established models as well as other existing well-characterized PDX models. It is expected that the outcomes of PDXNet research will be particularly important for the prioritization of combinations of agents in the portfolio of NCI Investigational New Drugs (NCI-IND agents), which are evaluated clinically in the NCI's Experimental Therapeutic Clinical Trials Network (ETCTN). PDXNet will encompass four PDTCs (to be supported by this FOA) and a single PDX Data Commons and Coordinating Center (PDCCC) (to be supported by a companion FOA, RFA-CA-17-004). In addition, collaboration between PDXNet and the NCI Patient-Derived Models Repository (PDMR) at the Frederick National Laboratory for Cancer Research (FNLCR) will be required as part of this FOA. PDTCs will be expected to collaborate with PDMR in several areas related to the goals of the program, including the development of optimized standardized procedures, and in sharing of PDX models.
Application Receipt Date(s): March 3, 2017

**TITLE:** PDX Data Commons and Coordinating Center (PDCCC) for the PDX Development and Trial Centers Research Network (PDXNet) (U24) (RFA-CA-17-004)
**SPONSOR:** National Cancer Institute
**Synopsis:** The purpose of this funding opportunity announcement (FOA) is to establish a PDXNet Data Commons and Coordinating Center (PDCCC). PDCCC will interact with and coordinate with the PDX (Patient-Derived Xenograft) Development and Trial Centers Research Network (PDXNet) comprised of four PDX Development and Trial Centers (PDTCs), to be supported by companion FOA, RFA-CA-17-003, in a collaborative network. The PDXNet is a National Cancer Institute...
(NCI) program established to coordinate collaborative, large-scale development and pre-clinical testing of targeted therapeutic agents in patient-derived models to advance the vision of cancer precision medicine. The goals for PDTCs include: development of new PDX models and methods for preclinical testing of single agents and drug combinations; and using the newly established models as well as other existing well-characterized PDX models for studies of drug responses. The PDCCC will serve as the coordinating and data analysis center of the PDXNet. It is expected that the outcomes of PDXNet research will be particularly important for the prioritization of combinations of agents in the portfolio of NCI Investigational New Drugs (NCI-IND agents), which are evaluated clinically in the NCI's Experimental Therapeutic Clinical Trials Network (ETCTN). PDXNet will encompass four PDTCs (to be supported by a companion FOA, RFA-CA-17-003) and a single PDCCC (to be supported by this FOA). In addition, PDXNet will be supported by the NCI Patient-Derived Models Repository (PDMR) at the Frederick National Laboratory for Cancer Research (FNLCR). PDTCs and the PDCCC will be expected to collaborate with PDMR in several areas related to the goals of the program, including the development of optimized standardized procedures, and in sharing of PDX models.

**Application Receipt Date(s):** March 3, 2017

- **TITLE:** Mechanisms of Cancer Drug Resistance and Sensitivity (U54) (RFA-CA-17-009)
  - **SPONSOR:** National Cancer Institute
  - **Synopsis:** The goal of this Funding Opportunity Announcement (FOA) is to create a network of Drug Resistance and Sensitivity Centers (DRSCs) to develop innovative strategies to study mechanisms of tumor resistance or sensitivity to anticancer therapy. It is hoped that such studies will permit future efforts to identify and exploit these phenomena in clinical settings. Each funded DRSC will become a member of the Drug Resistance and Sensitivity Network. Each DRSC may include multiple members and capabilities at the same or different institutions that are necessary to fulfill the need for highly specialized multidisciplinary expertise. There may be multiple linked projects within each DRSC that will be under the overall authority of a Program Director/Principal Investigator (PD/PI). Applications involving several investigators from single or multiple institutions working together on a promising area of cancer resistance or sensitivity to drug therapy are encouraged. The outputs from the DRSCs are expected to inform the development of novel strategies for precision medicine clinical trials (beyond the scope of this FOA) that can overcome drug resistance and sensitivity to anti-cancer agents.
  - **Application Receipt Date(s):** March 3, 2017

- **TITLE:** The NCI Predoctoral to Postdoctoral Fellow Transition Award (F99/K00) (RFA-CA-17-014)
  - **SPONSOR:** National Cancer Institute
  - **Synopsis:** The purpose of the NCI Predoctoral to Postdoctoral Fellow Transition Award (F99/K00) is to encourage and retain outstanding graduate students who have demonstrated potential and interest in pursuing careers as independent cancer researchers. The award will facilitate the transition of talented graduate students into successful cancer research postdoctoral appointments, and provide opportunities for career development activities relevant to their long-term career goals of becoming independent cancer researchers.
  - **Application Receipt Date(s):** February 18, 2017

- **TITLE:** Research Centers in Minority Institutions (U54) (RFA-MD-17-003)
  - **SPONSOR:** National Institute on Minority Health and Health Disparities
  - **Synopsis:** The purpose of the Research Centers in Minority Institutions (RCMI) Program is to expand the national capacity for research in the health sciences by providing cooperative agreement support to institutions that offer doctorate degrees in the health professions or in a health-related science and have a historical and current commitment to educating underrepresented students, and for institutions that deliver health care services, providing clinical services to medically underserved communities. The primary goals of the RCMI specialized centers are to: (1) enhance institutional research capacity within the areas of basic biomedical, behavioral, and/or clinical research; (2) enable all levels of investigators to become more successful in obtaining competitive extramural support, especially from NIH, particularly on diseases that disproportionately impact minority and other health disparity populations; (3) foster environments conducive to career enhancement with a special emphasis on development of new and early career investigators; (4) enhance the quality of all scientific inquiry and promote research on minority health and health disparities; and (5) establish sustainable relationships with community-based organizations that will partner with the RCMI Institution.
  - **Application Receipt Date(s):** March 7, 2017

- **TITLE:** Limited Competition: NIH Health Care Systems Research Collaboratory - Coordinating Center (U24) (RFA-RM-16-018)
  - **SPONSOR:** NIH Roadmap Initiatives
  - **Synopsis:** The purpose of this FOA is to solicit applications for continuation of a Coordinating Center to provide national leadership for the NIH Health Care Systems (HCS) Research Collaboratory program. The Coordinating Center will: (1) further develop, adapt, and adopt technical and policy guidelines and best practices for the effective conduct of research studies in partnership with health care systems; (2) work collaboratively with each Demonstration Project team supported through the Collaboratory program, including their partnering health care systems, to develop, test, and implement the proposed Demonstration Projects while providing technical, design, and coordination support; (3) learn and disseminate the best strategies for engaging health care systems as research partners to improve health and care delivery; and (4) learn, develop, and disseminate the best means of conducting pragmatic clinical trials in health care systems to improve...
the scientific community's ability to perform future pragmatic trials. The Coordinating Center will also serve as the central resource for the activities of the HCS Collaboratory.

Application Receipt Date(s): February 2, 2017

**TITLE:** NIH Health Care Systems Research Collaboratory - Demonstration Projects for Pragmatic Clinical Trials (UG3/UH3) (RFA-RM-16-019)

**SPONSOR:** NIH Roadmap Initiatives, National Center for Complementary and Integrative Health, National Heart, Lung, and Blood Institute, National Institute on Aging, National Institute of Arthritis and Musculoskeletal and Skin Diseases

**Synopsis:** 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). The CITN to be supported through this FOA will consist of:

- Immunotherapy Trials Network (CITN). The CITN to be supported through this FOA will consist of:
  - Immunomodulatory agents.
  - Soliciting applications to support Demonstration Projects that include an efficient, large-scale pragmatic clinical trial. Trials must be conducted across two or more health care systems (HCS) and must be conducted as part of the NIH HCS Research Collaboratory supported through the NIH Common Fund.
  - (See [https://commonfund.nih.gov/hcscollaboratory](https://commonfund.nih.gov/hcscollaboratory)). Awards made through this FOA will initially support a one-year milestone-driven planning phase (UG3), with possible rapid transition to the second implementation phase (UH3) for a pragmatic trial Demonstration Project. UH3s will be awarded after administrative review of eligible UG3s that have met the scientific milestone and feasibility requirements necessary for the UH3 implementation phase, depending on the availability of funds. The UG3/UH3 application must be submitted as a single application, and applicants should note specific instructions for each phase in this FOA. The overall goal of the NIH HCS Research Collaboratory program is to strengthen the national capacity to implement cost-effective, large-scale research studies that engage health care delivery organizations as research partners. The NIH HCS Research Collaboratory Program has established a Collaboratory Coordinating Center (CCC) that is providing national leadership and technical expertise in all aspects of research with HCS. After awards are made by NIH, the CCC ([https://www.nihcollaboratory.org/Pages/default.aspx](https://www.nihcollaboratory.org/Pages/default.aspx)) and the NIH will work with successful awardees from this FOA to facilitate the planning and rapid execution of high impact Demonstration Projects that conduct research studies in partnerships with health care delivery systems, ultimately making available data, tools and resources from Collaboratory research projects to develop a broadened base of research partnerships with HCS.

Application Receipt Date(s): June 2, 2017

**TITLE:** Limited Competition: Clinical Trials in Organ Transplantation in Children (CTOT-C): Mechanistic Ancillary Studies (U01) (RFA-AI-16-078)

**SPONSOR:** National Institute of Allergy and Infectious Diseases

**Synopsis:** This Funding Opportunity Announcement (FOA) solicits applications from currently funded Program Directors/Principal Investigators, Mechanistic Subcommittee members, core laboratory leaders and clinical site leaders in the “Clinical Trials in Organ Transplantation in Children (CTOT-C)” Program to support the conduct of studies of immune mechanisms using samples and clinical data collected from pediatric solid organ transplant recipients obtained in (a) ongoing or completed CTOT-C clinical studies, or (b) from other clinical trials in which the samples and data were collected with a demonstrably similar level of investigational rigor. Research supported under this FOA will focus on understanding graft dysfunction and/or loss and immune-mediated morbidity and mortality in pediatric transplant recipients. This FOA will leverage the samples and data gathered from CTOT-C’s unique cohort of well-characterized patients, as well as the consortium infrastructure to carry out timely hypothesis-driven mechanistic studies. Successful ancillary mechanistic investigations will enhance the value of ongoing and completed CTOT-C projects, improve the research community's understanding of pediatric transplantation, and contribute to the identification of novel and robust surrogate endpoints for future interventional trials and/or novel therapeutic targets and biomarkers for diagnosis, treatment, and disease monitoring.

Application Receipt Date(s): March 15, 2017

**TITLE:** Limited Competition: Cancer Immunotherapy Trials Network (CITN)(UM1) (RFA-CA-16-501)

**SPONSOR:** National Cancer Institute

**Synopsis:** 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). The CITN to be supported through this FOA will consist of: The Central Operations and Statistical Office (COSC), which will provide overall leadership, organizational infrastructure, and statistical coordination support for the CITN; and Clinical Member Sites (up to 25 institutions) as sites that will conduct the clinical trials, supported through subcontracts within the CITN award.

Application Receipt Date(s): January 24, 2017

**TITLE:** BRAIN Initiative: Targeted BRAIN Circuits Projects - TargetedBCP (R01) (RFA-NS-17-014)

**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:** This FOA solicits applications for research projects that use innovative, methodologically-integrated approaches to...
understand how circuit activity gives rise to mental experience and behavior. The goal is to support projects that can realize a meaningful outcome within 5 years. Applications should address circuit function in the context of specific neural systems such as sensation, perception, attention, reasoning, intention, decision-making, emotion, navigation, communication or homeostasis. Projects should link theory and data analysis to experimental design and should produce predictive models as deliverables. Projects should aim to improve the understanding of circuits of the central nervous system by systematically controlling stimuli and/or behavior while actively recording and/or manipulating dynamic patterns of neural activity. Projects can use non-human animal species, and applications should explain how the selected species offers ideal conditions for revealing general principles about the circuit basis of a specific behavior.

Application Receipt Date(s): March 8, 2017

- **TITLE:** BRAIN Initiative: Exploratory Targeted BRAIN Circuits Projects - eTargetedBCP (R21)  
  **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:** This FOA solicits applications for exploratory research projects that use innovative, methodologically-integrated approaches to understand how circuit activity gives rise to mental experience and behavior. Applications should offer a limited scope of aims and an approach that will establish feasibility, validity or other technically qualifying results that, if successful, would support a potential, subsequent Targeted Brain Circuits Projects - TargetedBCP R01, as described in the companion FOA (RFA-NS-17-014).  
  Application Receipt Date(s): March 8, 2017

- **TITLE:** BRAIN Initiative: Team-Research BRAIN Circuit Programs - TeamBCP (U19)  
  **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:** This FOA will support integrated, interdisciplinary research teams from prior BRAIN technology and/or integrated approaches teams, and/or new projects from the research community that focus on examining circuit functions related to behavior, using advanced and innovative technologies. The goal will be to support programs with a team science approach that can realize meaningful outcomes within 5-plus years. Awards will be made for 5 years, with a possibility of one competing renewal. Applications should address overarching principles of circuit function in the context of specific neural systems underlying sensation, perception, emotion, motivation, cognition, decision-making, motor control, communication, or homeostasis. Applications should incorporate theory/model-driven experimental design and should offer predictive models as deliverables. Applications should seek to understand circuits of the central nervous system by systematically controlling stimuli and/or behavior while actively recording and/or manipulating relevant dynamic patterns of neural activity and by measuring the resulting behaviors and/or perceptions. Applications are expected to employ approaches guided by specified theoretical constructs, and are encouraged to employ quantitative, mechanistic models where appropriate. Applications will be required to manage their data and analysis methods in a prototype framework that will be developed and used in the proposed U19 project and exchanged with other U19 awardees for further refinement and development. Model systems, including the possibility of multiple species ranging from invertebrates to humans, can be employed and should be appropriately justified. Budgets should be commensurate with multi-component teams of research expertise – including neurobiologists, statisticians, physicists, mathematicians, engineers, computer scientists, and data scientists, as appropriate - that seek to cross boundaries of interdisciplinary collaboration.  
  Application Receipt Date(s): Multiple dates, see announcement

- **TITLE:** BRAIN Initiative: Research Opportunities Using Invasive Neural Recording and Stimulating Technologies in the Human Brain (U01)  
  **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:** Invasive surgical procedures provide the unique ability to record and stimulate neurons within precisely localized brain structures in humans. Human studies using invasive technology are often constrained by a limited number of patients and resources available to implement complex experimental protocols and are rarely aggregated in a manner that addresses research questions with appropriate statistical power. Therefore, this FOA seeks applications to assemble integrated, multi-disciplinary teams to overcome these fundamental barriers. Projects should investigate high-impact questions in human neuroscience and disorders of the human nervous system. The research should be offered as experimental projects, or exploratory research and planning activities, for building teams, generating data and empirical results that will later compete for continued funding under new or ongoing FOAs of the BRAIN Initiative or under NIH Institute appropriations. Projects
should maximize opportunities to conduct innovative in vivo neuroscience research made available by direct access to brain recording and stimulating from invasive surgical procedures. Awardees will join a consortium work group, coordinated by the NIH, to identify consensus standards of practice as well as supplemental opportunities to collect and provide data for ancillary studies, and to aggregate and standardize data for dissemination among the wider scientific community.

**Application Receipt Date(s):** February 1, 2017

**TITLE:** Limited Competition: Research Resource for Human Organs and Tissues (U42) (RFA-OD-17-001)

**SPONSOR:** Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs National Institute of Diabetes and Digestive and Kidney Diseases

**Synopsis:** The purpose of this FOA is for the support of a Research Resource for Human Organs and Tissues for the continued availability of human tissues and organs to biomedical researchers in the United States. The research resource is expected to facilitate procurement, preservation, and distribution of human tissues and organs to qualified biomedical researchers.

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

**PROGRAM ANNOUCEMENTS**

**TITLE:** Oral Anticancer Agents: Utilization, Adherence, and Health Care Delivery (R01) (PA-17-060)

**SPONSOR:** National Cancer Institute

**Synopsis:** The purpose of this funding opportunity announcement (FOA) is to encourage research grant applications to: (1) assess and describe the current state of oral anticancer medication utilization, delivery, and adherence; (2) identify structural, systemic, and psychosocial barriers to adherence; and (3) develop models and strategies to improve safe and effective delivery of these agents so that clinical outcomes are optimized. Applications should focus research questions on at least one of the following: specific cancer type; class of drugs; and/or groups subject to disparities (e.g., elderly populations, members of low socioeconomic groups, racial/ethnic minorities). Research may be focused at the patient (pediatric, adolescent, or adult), patient-caregiver, provider, health care team, or health care delivery system level, and may include intervention studies, observational studies, or mixed-methods studies. Observational studies should emphasize modifiable risk factors for future intervention research.

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

**TITLE:** Oral Anticancer Agents: Utilization, Adherence, and Health Care Delivery (R21) (PA-17-061)

**SPONSOR:** National Cancer Institute

**Synopsis:** The purpose of this funding opportunity announcement (FOA) is to encourage exploratory/developmental research grant applications to: (1) assess and describe the current state of oral anticancer medication utilization, delivery, and adherence; (2) identify structural, systemic, and psychosocial barriers to adherence; and (3) develop models and strategies to improve safe and effective delivery of these agents so that clinical outcomes are optimized. Applications should focus research questions on at least one of the following: specific cancer type; class of drugs; and/or groups subject to disparities (e.g., elderly populations, members of low socioeconomic groups, racial/ethnic minorities). Research may be focused at the patient (pediatric, adolescent, or adult), patient-caregiver, provider, health care team, or health care delivery system level, and may include intervention studies, observational studies, or mixed-methods studies. Observational studies should emphasize modifiable risk factors for future intervention research.

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

**TITLE:** National Cancer Institute Youth Enjoy Science Research Education Program (R25) (PAR-17-059)

**SPONSOR:** National Cancer Institute

**Synopsis:** 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. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Research Experiences, Curriculum or Methods Development and Outreach. The NCI’s mission is to conduct and support research, training, health information dissemination, and other programs with respect to cancer. This funding opportunity seeks to facilitate the education of students from diverse backgrounds underrepresented in biomedical research who will become knowledgeable about cancer, and available to focus on cancer later in their careers. With the aim of enhancing the pool of individuals from underrepresented backgrounds interested in pursuing a career in biomedical research via early intervention strategies, the NCI Youth Enjoy Science (YES) Program will support efforts to create and maintain an institutional program to engage grades 6-12 and/or undergraduate students from underrepresented populations in cutting edge cancer research experiences. The proposed institutional programs may also provide research experiences for the grade 6-12 teachers and undergraduate faculty members who serve underrepresented student populations. The specific goals are to inspire interest in biomedical sciences, help envision research as a career path, and strengthen practical research and career skills. In alignment with these goals, institutions may develop unique programs that capitalize on their research strengths and are responsive to their target populations.

**Application Receipt/Submission Date(s):** Multiple dates, see announcement
• **TITLE:** Discovery of the Genetic Basis of Childhood Cancers and of Structural Birth Defects: Gabriella Miller Kids First Pediatric Research Program (X01) (PAR-17-063)

**SPONSOR:** NIH Roadmap Initiatives

**Synopsis:** As part of the Gabriella Miller Kids First Pediatric Research Program (Kids First), the NIH invites applications to use whole genome sequencing at a Kids First-supported sequencing center. Applicants are encouraged to propose sequencing of existing pediatric cancer cohorts to elucidate the genetic contribution to childhood cancers, or to expand the range of disorders included within the Kids First Data Resource to investigate the genetic etiology of structural birth defects. These data will become part of the Gabriella Miller Kids First Pediatric Data Resource (Kids First Data Resource) for the pediatric research community.

Application Receipt/Submission Date(s): March 7, 2017

• **TITLE:** Maximizing Access to Research Careers Undergraduate - Student Training in Academic Research (MARC U-STAR) (T34) (PAR-17-068)

**SPONSOR:** National Institute of General Medical Sciences

**Synopsis:** The Maximizing Access to Research Careers (MARC) Undergraduate Student Training in Academic Research (U-STAR) program is designed to provide structured training programs to prepare high-achieving, underrepresented students for doctoral programs in biomedical research fields. Programmatic activities should include authentic research experiences, academic enhancements, skills development, and mentoring. The long-term goal of the program is to enhance the pool of underrepresented students earning baccalaureate and Ph.D. degrees in biomedical research fields and ultimately to contribute to the diversification of the nation's scientific workforce.

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

• **TITLE:** NCI Transition Career Development Award to Promote Diversity (K22) (PAR-17-069)

**SPONSOR:** National Cancer Institute

**Synopsis:** The purpose of the NCI Career Transition Award to Promote Diversity program is to assist a postdoctoral fellow's transition to positions of assistant professor or equivalent and initiate a successful biomedical career as an independent research scientist. To this end, the Diversity Training Branch (DTB), the Center to Reduce Cancer Health Disparities (CRCHD) (http://crchd.cancer.gov/) invites applications from research scientists in postdoctoral positions or equivalent who are from backgrounds underrepresented in biomedical, behavioral, clinical, and/or social sciences. This award will provide "protected time" through salary and research support for 3 years for recipients to develop and receive support for their initial cancer research program.

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

• **TITLE:** Innovative Programs to Enhance Research Training (IPERT) (R25) (PAR-17-070)

**SPONSOR:** National Institute of General Medical Sciences

**Synopsis:** The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NIGMS R25 program is to support educational activities that complement and/or enhance the research training of a workforce to meet the nation’s biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development, Mentoring Activities, and Outreach.

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

• **TITLE:** Leveraging Electronic Health Records for Alcohol Services Research (R21/R33) (PAR-17-071)

**SPONSOR:** National Institute on Alcohol Abuse and Alcoholism

**Synopsis:** This FOA seeks low-cost, pragmatic research projects that leverage electronic clinical records to conduct studies that address novel health services questions about the treatment of alcohol use disorders (AUD) in routine clinical care settings. Although projects may be supplemented by other data sources, it is expected that major data collection activities will be integrated into, or obtained from, routine clinical records and other electronic resources, such as patient registries, electronic health records, data warehouses, billing data, pharmacy records, and/or administrative records. Projects should address questions with direct relevance for improving clinical care for patients with AUD, while contributing to an understanding of the current utility and remaining barriers to using electronic health records in the conduct of AUD treatment services research. This FOA provides R21 support for research planning activities and feasibility assessment, followed by possible transition to expanded research support (R33 phase). The transition to the R33 phase will be determined by NIAAA program staff after evaluation of the project's achievement of specific milestones set for the R21 phase.

Application Receipt/Submission Date(s): Multiple dates, see announcement
OTHER FUNDING OPPORTUNITIES
(Sponsors in bold are NIH Peer Reviewed Organizations)

- **TITLE:** Research Grants  
  [http://www.tinaswish.org/grant-process/](http://www.tinaswish.org/grant-process/)  
  **SPONSOR:** Honorable Tina Brozman Foundation for Ovarian Cancer Research

- **TITLE:** Research Professor Grants  
  **SPONSOR:** American Cancer Society (ACS)

  **Synopsis:** As the nation's largest private, not-for-profit source of funds for scientists studying cancer, the American Cancer Society (ACS) focuses its funding on investigator-initiated, peer-reviewed proposals. This process ensures that scientists propose projects that they believe are ready to be tackled with the available knowledge and techniques. This intellectual freedom encourages discovery in areas that scientists believe are most likely to solve the problems of cancer. The American Cancer Society offers grants to those who have made seminal contributions that have changed the direction of basic cancer research. Furthermore, it is expected that these investigators will continue to provide leadership in their research area.

- **TITLE:** NCI Summer Curriculum in Cancer Prevention  
  [http://www.hrb.ie/index.php?id=1003&tx_hrbgrants_pi1%5BshowUid%5D=162](http://www.hrb.ie/index.php?id=1003&tx_hrbgrants_pi1%5BshowUid%5D=162)  
  **SPONSOR:** An Roinn Slainte / Department of Health – Ireland Health Research Board (HRB)

- **TITLE:** SWOG Trial Support (STrS)  
  [https://www.roycastle.org/how-we-help/research/research-grants/what-we-fund](https://www.roycastle.org/how-we-help/research/research-grants/what-we-fund)  
  **SPONSOR:** The Hope Foundation

- **TITLE:** Infrastructure Grants  
  [https://www.stbaldricks.org/for-researchers](https://www.stbaldricks.org/for-researchers)  
  **SPONSOR:** St. Baldrick's Foundation (SBF)

- **TITLE:** Research Grants  
  [https://www.stbaldricks.org/for-researchers](https://www.stbaldricks.org/for-researchers)  
  **SPONSOR:** St. Baldrick's Foundation (SBF)

- **TITLE:** Supportive Care Research Grants  
  [https://www.stbaldricks.org/for-researchers](https://www.stbaldricks.org/for-researchers)  
  **SPONSOR:** St. Baldrick's Foundation (SBF)

- **TITLE:** The NCI Predoctoral to Postdoctoral Fellow Transition Award (F99/K00)  
  **SPONSOR:** United States Department of Health and Human Services (HHS), National Institutes of Health (NIH), National Cancer Institute (NCI)

  **Synopsis:** NCI intends to commit $1.5 M in FY 2017 to fund up to 36 awards. For the F99 phase, award budgets are composed of stipends, tuition and fees, and institutional allowance, as described below. For the K00 phase, award budgets are composed of salaries and fringe benefits, tuition and fees, research and career development support, and indirect costs, as described below. For the F99/K00 award, individuals may receive up to 6 years combined support for both phases, which includes up to 2 years in the F99 fellowship phase and up to 4 years in the K00 career development phase.

- **TITLE:** St. Baldrick’s International Scholars  
  [https://www.stbaldricks.org/grant-types](https://www.stbaldricks.org/grant-types)  
  **SPONSOR:** St. Baldrick's Foundation (SBF)

- **TITLE:** Scholar (Career Development) Award  
  [https://www.stbaldricks.org/for-researchers](https://www.stbaldricks.org/for-researchers)  
  **SPONSOR:** St. Baldrick's Foundation (SBF)
- **TITLE**: Postdoctoral Fellowship  
  [http://tobacco.ucsf.edu/fellowship](http://tobacco.ucsf.edu/fellowship)  
  **SPONSOR**: University of California, San Francisco (UCSF) Center for Tobacco Control Research and Education

- **TITLE**: AACC Awards  
  [https://www.aacc.org/community/awards](https://www.aacc.org/community/awards)  
  **SPONSOR**: American Association for Clinical Chemistry, Inc. (AACC)

- **TITLE**: Summer Fellows (Summer Fellowship Awards)  
  [https://www.stbaldricks.org/for-researchers](https://www.stbaldricks.org/for-researchers)  
  **SPONSOR**: St. Baldrick's Foundation (SBF)

- **TITLE**: Consortium Research Grants  
  [https://www.stbaldricks.org/for-researchers](https://www.stbaldricks.org/for-researchers)  
  **SPONSOR**: St. Baldrick's Foundation (SBF)

- **TITLE**: AAI Travel Awards and Grants  
  [http://www.aai.org/Awards/Travel/index.html](http://www.aai.org/Awards/Travel/index.html)  
  **SPONSOR**: American Association of Immunologists (AAI)