NOTICES

Week of July 27, 2015

- Request for Information (RFI): Inviting Comments and Suggestions on the Environmental influences on Child Health Outcomes (ECHO) Program (the National Children’s Study Alternative) (NOT-OD-15-117) National Institutes of Health
- Notice of Change to Application Due Date and Expiration Date for RFA-FD-15-026 "Smokeless Tobacco Reference Products (UC2)" (NOT-FD-15-010) Food and Drug Administration
- Notice of NIGMS' Withdrawal from Participation in PAR-13-374 "Modeling Social Behavior (R01)" (NOT-GM-15-120) National Institute of General Medical Sciences
- Notice of Guidance for Submission of Research Grant Applications by Institutional Development Award (IDeA) Investigators (NOT-GM-15-121) National Institute of General Medical Sciences
- Notice of Correction to Webinar Link and Questions Submission Due Date for NOT-MD-15-013 "NIMHD Loan Repayment Program Technical Assistance Webinar" (NOT-MD-15-016) National Institute on Minority Health and Health Disparities
- Request for Information (RFI): Inviting Comments and Suggestions on the NIH-wide Strategic Plan (NOT-OD-15-118) National Institutes of Health
- ASSIST Now an Option for Institutional Training and Career Development (Ts and K12), Other Training Grants (Ds) and Various Research Applications (NOT-OD-15-126) National Institutes of Health
- Notice of Updated Application Due Dates for PAR-14-182 "Exploratory Clinical Trials of Mind and Body Interventions for NCCAM High Priority Research Topics (R34)" (NOT-AT-15-010) National Center for Complementary and Integrative Health
- Notice to Emphasize the Requirement for Certification Letter to Verify Eligibility of the Applicant for PAR-15-053 "Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research (R21)" (NOT-CA-15-025) National Cancer Institute
- Notice of Participation of the Eunice Kennedy Shriver National Institute of Child Health and Human Development in PAR-15-274 Ethical Issues in Research on HIV/AIDS and its Co-Morbidities (R01)" (NOT-HD-15-025) Eunice Kennedy Shriver National Institute of Child Health and Human Development
- Notice of Intent to Publish a Funding Opportunity Announcement for BRAIN Initiative: Foundations of Non-Invasive Human Brain Imaging and Neuro-Recording Techniques (R01) and Participation by the Australian National Health and Medical Research Council (NOT-MH-15-022) National Institute of Mental Health National Center for Complementary and Integrative Health National Eye Institute National Institute on Aging 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
REQUEST FOR APPLICATIONS

- **TITLE:** Novel and Innovative Tools to Facilitate Identification, Tracking, Manipulation, and Analysis of Glycans and their Functions (R21)  
  **SPONSOR:** National Cancer Institute  
  **Synopsis:** The Common Fund Program - Accelerating Translation of Glycoscience: Integration and Accessibility - aims to develop accessible and affordable new tools and technologies for studying carbohydrates that will allow biomedical researchers to significantly advance our understanding of the roles of these complex molecules in health and disease. This program will enable investigators who might not otherwise conduct research in the glycosciences, to undertake the study of carbohydrate structure and function. This FOA solicits development of new, more easily accessible tools, reagents, and technologies to facilitate identification, tracking, manipulation, and analysis of glycans with their biological binding partners and determine their functions. This initiative may build on efforts that interface with existing technologies and procedures to make them easier to access and use. As applicable, efforts must consider: factors for scale-up; efforts to make instrumentation broadly accessible and cost-effective for the end-user; and compatibility of data generated with integration into existing databases.  
  **Application Receipt/Submission Date(s):** Letter of Intent Due September 15, 2015. Application Due October 15, 2015 by 5:00PM local time.

- **TITLE:** Novel and Innovative Tools to Facilitate Identification, Tracking, Manipulation, and Analysis of Glycans and their Functions (U01)  
  **SPONSOR:** National Cancer Institute  
  **Synopsis:** The Common Fund Program - Accelerating Translation of Glycoscience: Integration and Accessibility - aims to develop accessible and affordable new tools and technologies for studying carbohydrates that will allow biomedical researchers to significantly advance our understanding of the roles of these complex molecules in health and disease. This program will enable investigators who might not otherwise conduct research in the glycosciences, to undertake the study of carbohydrate structure and function. This FOA solicits development of new, more easily accessible tools, reagents, and technologies to facilitate identification, tracking, manipulation, and analysis of glycans with their biological binding partners and determine their functions. This initiative may build on efforts that interface with existing technologies and procedures to make them easier to access and use. As applicable, efforts must consider: factors for scale-up; efforts to make instrumentation broadly accessible and cost-effective for the end-user; and compatibility of data generated with integration into existing databases.  
  **Application Receipt/Submission Date(s):** Letter of Intent Due September 15, 2015. Application Due October 15, 2015 by 5:00PM local time.

- **TITLE:** Big Data to Knowledge (BD2K) Development of Software Tools and Methods for Biomedical Big Data in Targeted Areas of High Need (U01)  
  **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 Heart, Lung, and Blood 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 General Medical Sciences, National Institute of Mental Health, National Institute on Minority Health and Health Disparities, National Institute of Neurological Disorders and Stroke, National Library of Medicine, Office of Disease Prevention, Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs, The Common Fund/Office of Strategic Coordination  
  **Synopsis:** The purpose of this BD2K Funding Opportunity Announcement (FOA) is to solicit development of software tools and methods in the three topic areas of data privacy, data repurposing, and applying metadata, all as part of the overall BD2K initiative. While this FOA is intended to foster new development, submissions consisting of significant adaptations of existing methods and software are also invited.  
  **Application Receipt/Submission Date(s):** Letter of Intent Due September 06, 2015. Application Due October 6, 2015 by 5:00PM local time.
**PROGRAM ANNOUNCEMENTS**

- **TITLE:** Utilizing the PLCO Biospecimens Resource to Bridge Gaps in Cancer Etiology and Early Detection Research (U01)  
  (PAR-15-297)  
  **SPONSOR:** National Cancer Institute  
  **Synopsis:** This Funding Opportunity Announcement (FOA) encourages the submission of applications that propose to advance research in cancer etiology and early detection biomarkers, utilizing the advantages of the unique biorepository resources of the NCI-sponsored Prostate, Lung, Colorectal, and Ovarian Cancer (PLCO) Screening Trial. The PLCO Biorepository offers high-quality, prospectively collected, serial pre-diagnostic blood samples from the PLCO screened arm participants, and a one-time collection of buccal cells from the control arm participants. Available data associated with the biospecimens includes demographic, diet, lifestyle, smoking, screening results, and clinical data. This FOA supports a wide range of cancer research including, but not limited to, biochemical and genetic analyses of cancer risk, as well as discovery and validation of early detection biomarkers. The proposed research project must involve use of PLCO biospecimens; additionally, it should also take advantage of the unique characteristics of the PLCO biospecimens. Research projects that do not involve the use of PLCO biospecimens will not be supported under this FOA.  
  Application Receipt/Submission Date(s): Multiple dates see announcement.

- **TITLE:** Ethical, Legal, and Social Implications (ELSI) of Genomic Research Regular Research Program (R01)  
  (PA-14-276)  
  **SPONSOR:** National Human Genome Research Institute, National Cancer Institute, National Institute on Aging, National Institute of Allergy and Infectious 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, National Institute of Environmental Health Sciences  
  **Synopsis:** This Funding Opportunity Announcement (FOA) invites Research Project Grant (R01) applications that propose to study the ethical, legal and social implications (ELSI) of human genome research. Applications should propose well-integrated studies using either single or mixed methods. Proposed methods may include, but are not limited to, data-generating qualitative or quantitative approaches, legal, economic or normative analyses, or other analytical or conceptual research methodologies.  
  Application Receipt/Submission Date(s): Multiple dates see announcement.

- **TITLE:** Supplements to Support Evaluation of the NCI Cancer Genomics Cloud Pilots (Admin Supp)  
  (PA-15-305)  
  **SPONSOR:** National Cancer Institute  
  **Synopsis:** The purpose of this Funding Opportunity Announcement (FOA) is to support projects that will incorporate the use of one or more of the NCI Cancer Genomics Cloud Pilots into ongoing research activities. The use of an infrastructure in which large scale genomic data is co-located with computational resources and analysis tools is expected to lead to increased research efficiency and broader access to tools and data for cancer researchers, an important priority for the NCI. The activities and outcomes of projects funded through these supplements will help inform NCI’s future plans for providing a computational infrastructure for genomics data.  
  Application Receipt/Submission Date(s): October 18, 2015.

- **TITLE:** Physical Activity and Weight Control Interventions Among Cancer Survivors: Effects on Biomarkers of Prognosis and Survival (R21)  
  (PA-15-310)  
  **SPONSOR:** National Cancer Institute  
  **Synopsis:** This Funding Opportunity Announcement (FOA) invites Research Project Grant (R01) applications that propose to study the ethical, legal and social implications (ELSI) of human genome research. Applications should propose well-integrated studies using either single or mixed methods. Proposed methods may include, but are not limited to, data-generating qualitative or quantitative approaches, legal, economic or normative analyses, or other analytical or conceptual research methodologies.  
  Application Receipt/Submission Date(s): Multiple dates see announcement.

- **TITLE:** Physical Activity and Weight Control Interventions Among Cancer Survivors: Effects on Biomarkers of Prognosis and Survival (R01)  
  (PA-15-311)  
  **SPONSOR:** National Cancer Institute
Synopsis: This Funding Opportunity Announcement (FOA) encourages transdisciplinary and translational research that will identify the specific biological or biobehavioral pathways through which physical activity and/or weight control (either weight loss or avoidance of weight gain) may affect cancer prognosis and survival. Research applications should test the effects of physical activity, alone or in combination with weight control (either weight loss or avoidance of weight gain), on biomarkers of cancer prognosis among cancer survivors identified by previous animal or observational research on established biomarkers other than insulin/glucose metabolism, especially those obtained from tumor tissue sourced from repeat biopsies where available. Because many cancer survivor populations will not experience recurrence but will die of comorbid diseases or may experience early effects of aging, inclusion of biomarkers of comorbid diseases (e.g., cardiovascular disease) and of the aging process are also sought. Applications should use experimental designs (e.g., randomized controlled clinical trials (RCTs), fractional factorial designs), and will require transdisciplinary approaches that bring together behavioral intervention expertise, cancer biology, and other basic and clinical science disciplines relevant to the pathways being studied.

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

- **TITLE:** Translational Studies on Adducts for Cancer Risk Identification and Prevention (U01) (PAR-15-307)
  **SPONSOR:** National Cancer Institute
  **Synopsis:** This Funding Opportunity Announcement (FOA) encourages clinically-relevant translational/epidemiological research projects focused on the use of adducts to cellular macromolecules, as indicators of exposures to cancer risk factors in human populations and subgroups. The priority is on projects that will focus on adductomic approaches, i.e., address some aspects of the totality of adducts. The projects should be expected to be based on comprehensive use of human biospecimens for which detailed medical data are available (e.g., biospecimens from the NCI-supported cohort studies). The main emphasis of this FOA is on advancing the area of cancer detection, cancer prevention, and assessing cancer risks in human populations and subgroups. Nonetheless, studies evaluating the potential roles of adducts in cancer etiology for gene-environment interaction research may also be appropriate provided that such projects are based on appropriate sets of human biospecimens (such as specimens from cohorts studies supported by NIH).

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

- **TITLE:** Innovative Basic Research on Adducts in Cancer Risk Identification and Prevention (R01) (PAR-15-308)
  **SPONSOR:** National Cancer Institute, National Institute for Environmental Health Sciences
  **Synopsis:** This Funding Opportunity Announcement (FOA) encourages research projects focused on adducts to cellular macromolecules as indicators of exposures to cancer risk factors relevant to human populations. The priority is on projects that will focus on adductomic approaches, i.e., address some aspects of the totality of adducts. These projects should explore the basic aspects of adducts/adductomics that may have a potential utility in cancer detection, cancer prevention, and/or assessing cancer risks. The projects should be relevant to adducts in humans and human populations but may be conducted using various model systems (e.g., cultured cells, animals, etc.). The use of human biospecimens is encouraged and expected if appropriate but not required. In well-justified cases, innovative studies using the adductomic approaches in the context of cancer etiology and/or gene-environment interaction research may also be appropriate. For projects intended for NIEHS support, the focus may be on innovative technology and method development.

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

- **TITLE:** Innovative Basic Research on Adducts in Cancer Risk Identification and Prevention (R21) (PAR-15-309)
  **SPONSOR:** National Cancer Institute, National Institute for Environmental Health Sciences
  **Synopsis:** This Funding Opportunity Announcement (FOA) encourages research projects focused on adducts to cellular macromolecules as indicators of exposures to cancer risk factors relevant to human populations. The priority is on projects that will focus on adductomic approaches, i.e., address some aspects of the totality of adducts. These projects should explore the basic aspects of adducts/adductomics that may have a potential utility in cancer detection, cancer prevention, and/or assessing cancer risks. The projects should be relevant to adducts in humans and human populations but may be conducted using various model systems (e.g., cultured cells, animals, etc.). The use of human biospecimens is encouraged and expected if appropriate but not required. In well-justified cases, innovative studies using the adductomic approaches in the context of cancer etiology and/or gene-environment interaction research may also be appropriate. For projects intended for NIEHS support, the focus may be on innovative technology and method development.

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

- **TITLE:** Examination of Survivorship Care Planning Efficacy and Impact [R21]
  **SPONSOR:** National Cancer Institute
  **Synopsis:** The purpose of this Funding Opportunity Announcement (FOA) is to stimulate research to evaluate the effect of care planning on cancer survivors’ health and psychosocial outcomes; self-management of late effects and adherence to cancer screening and health behavior guidelines; utilization of follow-up care; organizational-level...
factors influencing the implementation of care planning; and associated costs. Specifically, the FOA aims to stimulate research that will: 1) develop and test metrics for evaluating the impact of survivorship care planning; 2) evaluate the impact of survivorship care planning on cancer survivors’ morbidity, self-management and adherence to care recommendations, utilization of follow-up care, and on systems outcomes, such as associated costs and impact on organizations implementing care planning; and 3) identify models and processes of care that promote effective survivorship care planning. The ultimate goal of this FOA is to generate a body of science that will inform the development and delivery of interventions and best practices in follow-up care for cancer survivors.

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

- **TITLE:** Behavioral and Social Science Research on Understanding and Reducing Health Disparities (R21) (PA-13-288)
  **SPONSOR:** Office of Behavioral and Social Sciences Research, National Cancer Institute, National Eye Institute, National Institute on Aging, National Institute on Alcohol Abuse and Alcoholism, 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 Environmental Health Sciences, National Institute of Mental Health, National Institute of Nursing Research, National Library of Medicine
  **Synopsis:** The purpose of this FOA is to encourage behavioral and social science research on the causes and solutions to health and disabilities disparities in the U.S. population. Health disparities between, on the one hand, racial/ethnic populations, lower socioeconomic classes, and rural residents and, on the other hand, the overall U.S. population are major public health concerns. Emphasis is placed on research in and among three broad areas of action: 1) public policy, 2) health care, and 3) disease/disability prevention. Particular attention is given to reducing “health gaps” among groups. Applications that utilize an interdisciplinary approach, investigate multiple levels of analysis, incorporate a life-course perspective, and/or employ innovative methods such as systems science or participatory research are particularly encouraged.
  Application Receipt/Submission Date(s): Multiple dates see announcement.

**OTHER FUNDING OPPORTUNITIES**
(Sponsors in bold are NIH Peer Reviewed Organizations)

- **TITLE:** Irvington Postdoctoral Fellowships
  **SPONSOR:** Cancer Research Institute

- **TITLE:** AACR NextGen Grants for Transformative Cancer Research
  [http://www.aacr.org/Funding/Pages/Funding-Detail.aspx?ItemID=48#.Va5dBflzSqJ](http://www.aacr.org/Funding/Pages/Funding-Detail.aspx?ItemID=48#.Va5dBflzSqJ)
  **SPONSOR:** American Association for Cancer Research
  **Synopsis:** The AACR NextGen Grants for Transformative Cancer Research represent a new AACR funding initiative to stimulate highly innovative research from young investigators. This grant mechanism is intended to promote and support creative, paradigm-shifting cancer research that, because of its very nature, may not otherwise be funded through existing channels. It is anticipated that the projects funded through this mechanism will have the potential to lead to major breakthroughs in the field. Eligibility is limited to junior faculty who, at the start of the grant term, have held a full-time, tenure-track appointment as an assistant professor for no more than three years.

- **TITLE:** Academic Grants: Career Development Program - Special Fellow Award
  [http://www.lls.org/research/career-development-program](http://www.lls.org/research/career-development-program)
  **SPONSOR:** Leukemia & Lymphoma Society

- **TITLE:** Research Grant Program: Research Seed Money Grant for Pseudomyxoma Peritonei (PMP)
  [http://rarediseases.org/for-clinicians-and-researchers/research-opportunities/requests-proposals/](http://rarediseases.org/for-clinicians-and-researchers/research-opportunities/requests-proposals/)
  **SPONSOR:** National Organization for Rare Disorders, Inc.

- **TITLE:** Breast Cancer Research Program (BCRP) - Breakthrough Award - Level 3 Award
  **SPONSOR:** Department of Defense
  **Synopsis:** The intent of the Breakthrough Award is to support promising research that has high potential to lead to or make breakthroughs in breast cancer. Research supported by the Breakthrough Award will have the potential for a major impact and accelerate progress toward ending breast cancer. The impact may be near-term or long-term, but must be significant and move beyond an incremental advancement. Applications must articulate the pathway to making a clinical impact for individuals with, or at risk for, breast cancer, even if clinical impact is not an immediate outcome.
  Application Receipt/Submission Date(s): December 21, 2015.

- **TITLE:** Mentored Training and Career Development Grants: Postdoctoral Fellowships
  **SPONSOR:** American Cancer Society
SPONSOR: National Science Foundation

Synopsis: The goal of the Biophotonics program is to explore the research frontiers in photonics principles, engineering and technology that are relevant for critical problems in fields of medicine, biology and biotechnology. Fundamental engineering research and innovation in photonics is required to lay the foundations for new technologies beyond those that are mature and ready for application in medical diagnostics and therapies. Advances are needed in nanophotonics, optogenetics, contrast and targeting agents, ultra-thin probes, wide field imaging, and rapid biomarker screening. Low cost and minimally invasive medical diagnostics and therapies are key motivating application goals.