NOTICES

Week of April 27, 2015

- Findings of Research Misconduct (NOT-OD-15-092) National Institutes of Health
- Findings of Research Misconduct (NOT-OD-15-093) National Institutes of Health
- Notice of Pre-Application Webinar for RFA-CA-15-006 "Big Data to Knowledge (BD2K) Advancing Biomedical Science Using Crowdsourcing and Interactive Digital Media (UH2)" (NOT-CA-15-020)

National Cancer Institute

- Notice of Change to Funds Available and Award Budget for PAR-13-232 "Advancing Medical Device Postmarket Surveillance Infrastructure and Epidemiologic Methodologies through Multi-stakeholder Partnership (U01)" (NOT-FD-15-005)

Food and Drug Administration

- Request for Information (RFI) Soliciting Input into the NIH Science Vision for Health Disparities Research (NOT-MD-15-006)

National Institute of Neurological Disorders and Stroke

- Notice of Multiple Changes to PA-15-122 "Administrative Supplements for Common Basic Sociobehavioral Mechanisms and Processes that Facilitate or Impede Self-Management of Chronic Conditions (Admin Supp)"

Office of Behavioral and Social Science Research

- Notice to Correct the Last Advisory Council Review and Last Earliest Start Dates for NIDDK PAR-15-171 "Diet and Physical Activity Assessment Methodology (R21)"
- Notice to Correct the Last Advisory Council Review and Last Earliest Start Dates for NIDDK PAR-15-170 "Diet and Physical Activity Assessment Methodology (R01)"

National Heart, Lung, and Blood Institute

- NHLBI No Longer Participates in PAR-13-137 "Bioengineering Research Grants (BRG) (R01)" (NOT-HL-15-259)

REQUESTS FOR APPLICATIONS

- TITLE: Centers of Excellence in Ethical, Legal and Social Implications (ELSI) Research (CEER) (RM1) (RFA-HG-15-021)
  SPONSOR: National Human Genome Research Institute
  Application Receipt Date(s): July 15, 2015.
• TITLE: NIMHD Pathway to Independence Award (K99/R00)
  (RFA-MD-15-006)
  SPONSOR: National Institute on Minority Health and Health Disparities
  Application Receipt/Submission Date(s): June 23, 2015.

• TITLE: Technologies for Improving Population Health and Eliminating Health Disparities (R41/R42)
  (RFA-MD-15-008)
  SPONSOR: National Institute on Minority Health and Health Disparities
  Application Receipt/Submission Date(s): July 23, 2015

• TITLE: Innovations for Healthy Living - Improving Population Health and Eliminating Health Disparities
  (R43)/(R44)
  (RFA-MD-15-009)
  SPONSOR: National Institute on Minority Health and Health Disparities
  Application Receipt/Submission Date(s): July 23, 2015

• TITLE: Tobacco Regulatory Science Small Grant Program for New Investigators (R03)
  (RFA-OD-15-004)
  SPONSOR: Office of Disease Prevention, U.S. Food and Drug Administration, Center for Tobacco Products
  Food and Drug Administration, National Cancer Institute, National Heart, Lung, and Blood Institute, National Institute on Alcohol Abuse and Alcoholism, National Institute on Drug Abuse, National Institute of Dental and Craniofacial Research
  Synopsis: The purpose of this Funding Opportunity Announcement (FOA) is to support New Investigators in the biomedical, behavioral, and social sciences who are in the early stages of establishing independent careers in tobacco regulatory research. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. Applicants are encouraged to conduct projects that ultimately have potential to inform regulations on tobacco product manufacturing, distribution, and marketing. Research projects must address the research priorities related to the regulatory authority of the Food and Drug Administration (FDA) Center for Tobacco Products (CTP) as mandated by the Family Smoking Prevention and Tobacco Control Act (FSPTCA), Public Law 111-31. The awards under this FOA will be administered by NIH using designated funds from the FDA CTP for tobacco regulatory science. Research findings generated from this FOA are expected to provide sufficient preliminary data for subsequent investigator-initiated research that is relevant to the FDA's regulation of the manufacture, distribution, and marketing of tobacco products to protect public health. The NIH and the FDA have formed an interagency partnership to foster research relevant to tobacco regulatory science within the framework of the FSPTCA.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

• TITLE: Advanced Development and Validation of Emerging Technologies for Cancer-Relevant Biospecimen Science (R33)
  (RFA-CA-15-005)
  SPONSOR: United States Department of Health and Human Services, National Institutes of Health, National Cancer Institute
  Synopsis: This Funding Opportunity Announcement (FOA) solicits grant applications proposing research projects on the advanced development and validation of technologies that address issues related to pre-analytical degradation of targeted analytes during the collection, processing, handling, and storage of cancer-relevant biospecimens. Applications must include preliminary data sufficient to justify the feasibility of the proposed technology, but may still require additional development to reach a generally useful level of functionality for cancer-related research applications. The overall goal is to support the development of highly innovative technologies capable of interrogating and/or maximizing the quality and utility of biospecimens or samples derived from those biospecimens for downstream analyses. This FOA will support the development of tools, devices, instrumentation, and associated methods to assess sample quality, preserve/protect sample integrity, and establish verification criteria for quality assessment/quality control and handling under diverse conditions. These technologies are expected to potentially accelerate and/or enhance research in cancer biology, early detection, screening, clinical diagnosis, treatment, epidemiology, and cancer health disparities, by reducing pre-analytical variations that affect biospecimen sample quality. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

• TITLE: Revisions to Add Biomedical Big Data Training to Active Institutional Training Grants (T32)
  (RFA-HG-14-005)
  SPONSOR: National Institutes of Health, NIH Big Data to Knowledge Initiative, National Human Genome Research Institute, National Cancer Institute, National Eye 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 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 Environmental Health Sciences, National Institute of Mental Health, National Institute of Neurological Disorders and Stroke, National Institute of Nursing Research, National Institute on Minority Health and Health Disparities, National Center for Complementary and Integrative Health, Office of Behavioral and Social Sciences Research, Office of Strategic Coordination

**Synopsis:** The purpose of this Funding Opportunity Announcement (FOA) is to solicit revisions (competitive supplements) to add a Big Data Science track to currently funded T32 institutional training grants for the expressed purpose of training the next generation of scientists who will develop computational and quantitative approaches and tools needed by the biomedical research community to work with biomedical Big Data in the biomedical sciences (see definition under Funding Opportunity Description). This proposed training initiative should prepare qualified individuals for careers in developing new technologies and methods that will allow biomedical researchers to maximize the value of the growing volume and complexity of biomedical data.

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

- **TITLE:** Predoctoral Training in Biomedical Big Data Science (T32)
  (RFA-HG-14-004)
  **SPONSOR:** National Institutes of Health, NIH Big Data to Knowledge Initiative, National Human Genome Research Institute, National Cancer Institute, National Eye 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 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 Environmental Health Sciences, National Institute of Mental Health, National Institute of Neurological Disorders and Stroke, National Institute of Nursing Research, National Institute on Minority Health and Health Disparities, National Center for Complementary and Integrative Health, Office of Behavioral and Social Sciences Research, Office of Strategic Coordination
  **Synopsis:** The purpose of this Funding Opportunity Announcement (FOA) is to solicit revisions (competitive supplements) to add a Big Data Science track to currently funded T32 institutional training grants for the expressed purpose of training the next generation of scientists who will develop computational and quantitative approaches and tools needed by the biomedical research community to work with biomedical Big Data in the biomedical sciences (see definition under Funding Opportunity Description). This proposed training initiative should prepare qualified individuals for careers in developing new technologies and methods that will allow biomedical researchers to maximize the value of the growing volume and complexity of biomedical data.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

**PROGRAM ANNOUCMENTS**

- **TITLE:** Summer Research Education Experience Programs (R25)
  (PAR-15-184)
  **SPONSOR:** 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 of Environmental Health Sciences, National Institute of Neurological Disorders and Stroke
  Application Receipt/Submission Date(s): Multiple dates; see announcement for details.

- **TITLE:** Quantitative Imaging for Evaluation of Response to Cancer Therapies (U01)
  (PAR-14-116)
  **SPONSOR:** National Cancer Institute
  **Synopsis:** This Funding Opportunity Announcement (FOA) invites research project - cooperative agreement (U01) applications which are expected to enhance the value of quantitative imaging (QI) in clinical trials for prediction and/or measurement of response to cancer therapies. One avenue for this enhancement is to emphasize the development, optimization and validation of state-of-the-art QI methods and software tools for potential implementation in single site phase 1 or 2 clinical trials. The second avenue to enhance QI methods is to address the challenges of integrating existing and or new QI methods as required for multicenter phase 3 clinical trials. This may involve evaluation of a range of multimodal imaging approaches, harmonization of image data collection, analysis, display and clinical workflow methods across imaging platforms, or testing their performance across different cancer sites. Because this validation process is complex, a single research program cannot be expected to complete every detail from initial tool development to final integration into clinical trials. Therefore, it is anticipated that these research goals will require multidisciplinary efforts. Although the involvement of industrial partners in the development of the QI methods is not required, it is strongly encouraged. Awardees will also join the Quantitative Imaging Network (QIN) to share ideas and approaches in order to validate and standardize imaging data and related imaging metadata for quantitative measurements of prediction and/or response to cancer therapies.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

- **TITLE:** Limited Competition: Comprehensive Partnerships to Advance Cancer Health Equity (CPACHE) (U54)
This Funding Opportunity Announcement (FOA) invites cooperative agreement (U54) applications for the implementation of Comprehensive Partnerships between institutions serving underserved health disparity populations and underrepresented students (ISUPS) and NCI-designated Cancer Centers (CC). The purpose of this limited competition funding opportunity announcement (FOA) is to continue fostering and supporting intensive collaborations among investigators at ISUPS and CCs in order to develop stronger national cancer programs aimed at understanding the reasons behind the significant cancer disparities and related impacts on these populations. This FOA is intended for: (1) supporting active Comprehensive Partnerships under the U54 mechanism or inactive Comprehensive Partnerships but formerly supported by the U54 mechanism; and (2) elevating the promising U56 partnerships and other similar partnerships to the comprehensive status.

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

**TITLE:** Physical Sciences-Oncology Network (PS-ON): Physical Sciences-Oncology Centers (PS-OC) (U54) (PAR-14-169)

**SPONSOR:** National Cancer Institute

**Synopsis:** This Funding Opportunity Announcement (FOA) invites U54 cooperative agreement applications for Physical Science-Oncology Centers (PS-OCs). The PS-OCs will serve as hubs for the collaborative Physical Sciences-Oncology Network (PS-ON). The goal of the PS-OC Program and broader Network is to promote a physical sciences perspective of cancer and foster the convergence of physical science and cancer research by forming transdisciplinary teams of physical scientists (e.g., engineers, chemists, computer scientists, mathematicians, physicists) and cancer researchers (e.g., cancer biologists, oncologists, pathologists) to work closely together to advance our understanding of cancer biology and oncology. The PS-OCs, individually and as a Network, will support transdisciplinary research that: (1) establishes a physical sciences perspective within the cancer research community; (2) facilitates team science and field convergence at the intersection of physical sciences and cancer research; and (3) collectively tests physical sciences-based experimental and theoretical concepts of cancer and promotes innovative solutions to address outstanding questions in cancer research.

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

**TITLE:** Core Infrastructure and Methodological Research for Cancer Epidemiology Cohorts (U01) (PAR-15-104)

**SPONSOR:** National Cancer Institute

**Synopsis:** The Funding Opportunity Announcement (FOA) invites grant applications for targeted infrastructure support of the core functions of Cancer Epidemiology Cohorts (CECs) and methodological research. Through this FOA, the National Cancer Institute (NCI) will support infrastructure and core functions for existing or new CECs. This FOA will also lead to support of core functions for CECs currently funded through other grant mechanisms by the Epidemiology and Genomics Research Program (EGRP) and other components of the Division of Cancer Control and Population Sciences (DCCPS) at the NCI.

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

**TITLE:** Collaborative Research in Integrative Cancer Biology (U01) (PAR-13-184)

**SPONSOR:** National Cancer Institute

**Synopsis:** The purpose of this Funding Opportunity Announcement (FOA) is to encourage new research into integrative cancer biology by fostering collaborations between investigators currently supported through the Integrative Cancer Biology Program (ICBP) and those currently unaffiliated with the ICBP. These collaborative projects should leverage the existing expertise and resources from within the ICBP research community and combine those with new approaches, technologies or methods to address compelling cancer questions. Therefore, the proposed research projects must involve partnerships between investigators currently supported by ICBP and investigators currently unaffiliated with the program. Applications that focus on projects which neither involve integrative cancer biology research, nor expand individual ICBP investigators’ research by adding additional expertise, resources, or approaches, or without affiliation to existing ICBP personnel, are not appropriate to this FOA.

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

**TITLE:** Image-guided Drug Delivery in Cancer (R01) (PAR-13-185)

**SPONSOR:** National Cancer Institute, National Institute of Biomedical Imaging and Bioengineering

**Synopsis:** This Funding Opportunity Announcement (FOA) will support innovative research projects that are focused on image-guided drug delivery (IGDD), including real-time image guidance, monitoring, quantitative in vivo characterizations and validation of delivery and response. It will support research in development of integrated imaging-based platforms for multifunctional and multiplexed drug delivery systems in cancer and other diseases, quantitative imaging assays of drug delivery, and early intervention.

**Application Receipt/Submission Date(s): Multiple dates, see announcement.**
• **TITLE:** Imaging and Biomarkers for Early Cancer Detection (R01)  
  *(PAR-13-189)*  
  **SPONSOR:** National Cancer Institute  
  **Synopsis:** This Funding Opportunity Announcement (FOA) invites research project (R01) applications that combine imaging and biomarkers. The overall objective of this FOA is to facilitate collaborative imaging and biomarker research to improve cancer screening, early cancer detection and diagnosis by integrating multi-modality imaging strategies and multiplexed biomarker methodologies.  
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

• **TITLE:** Detection of Pathogen-Induced Cancer (DPIC) (R01)  
  *(PAR-13-190)*  
  **SPONSOR:** National Cancer Institute  
  **Synopsis:** This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), is to encourage research projects which focus on the interactions of carcinogenic pathogens with the human microbiome and the host for the detection of pathogen-induced cancer (DPIC). This FOA encourages research to assess molecular signatures associated with risk and early detection of pathogen-induced cancer and chronic inflammation associated with progression to invasive cancer.  
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

• **TITLE:** Revision Applications to R01 Awards for Research on Detection of Pathogen-Induced Cancer (DPIC) (R01)  
  *(PAR-13-172)*  
  **SPONSOR:** National Cancer Institute  
  **Synopsis:** This Funding Opportunity Announcement (FOA) invites revision applications (formerly called "competing revisions") from investigators with active NIH R01 research grants. These revision applications are expected to focus on the interactions of carcinogenic pathogens with the human microbiome and the host for the detection of pathogen-induced cancer (DPIC). This FOA encourages research to assess molecular signatures associated with risk and early detection of pathogen-induced cancer and chronic inflammation associated with progression to invasive cancer.  
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

• **TITLE:** Revision Applications to U01 Awards for Research on Imaging and Biomarkers for Early Cancer Detection (U01)  
  *(PAR-13-176)*  
  **SPONSOR:** National Cancer Institute  
  **Synopsis:** This Funding Opportunity Announcement (FOA) invites cooperative agreement research (U01) revision applications from investigators with active NIH U01 research project awards. Revision applications are expected to focus on combined imaging and biomarker approaches to improve screening, early cancer detection and diagnosis by integrating multimodality imaging strategies and multiplexed biomarker methodologies. Studies proposed in the revision applications must correspond to additional specific aims, expanding the scope of individual, already funded projects of the parent R01 award.  
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

• **TITLE:** Revision Applications for Research on Metabolic Reprogramming to Improve Immunotherapy (P01)  
  *(PAR-14-087)*  
  **SPONSOR:** National Cancer Institute  
  **Synopsis:** This Funding Opportunity Announcement (FOA) invites program project grant (P01) revision applications from investigators with active NIH P01 program project grant awards to support an expansion of the scope of the parent award through the addition of one or more new specific aims.  
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

• **TITLE:** Revision Applications for Research on Metabolic Reprogramming to Improve Immunotherapy (U01)  
  *(PAR-14-086)*  
  **SPONSOR:** National Cancer Institute  
  **Synopsis:** This Funding Opportunity Announcement (FOA) invites research project - cooperative agreement (U01) revision applications from investigators with active NIH U01 research project - cooperative agreement awards to support an expansion of the scope of the funded U01 research project through the addition of one or more new specific aims. Revision applications are expected to stimulate collaborative research projects to generate a mechanistic understanding of the metabolic processes that support robust anti-tumor immune responses in vivo, determine how the metabolic landscape of the tumor microenvironment affects immune effector functions, and use this information to manipulate (or reprogram) the metabolic pathways used by the tumor, the immune response, or both to improve cancer immunotherapy.  
  Application Receipt/Submission Date(s): Multiple dates, see announcement.
• **TITLE:** Revision Applications for Research on Metabolic Reprogramming to Improve Immunotherapy (R01)  
(PAR-14-085)  
**SPONSOR:** National Cancer Institute  
**Synopsis:** This Funding Opportunity Announcement (FOA) invites research project grant (R01) revision applications from investigators with active NIH R01 research project grant awards to support an expansion of the scope of the funded R01 project grant awards through the addition of one or more new specific aims. Revision applications are expected to stimulate collaborative research projects to generate a mechanistic understanding of the metabolic processes that support robust anti-tumor immune responses in vivo, determine how the metabolic landscape of the tumor microenvironment affects immune effector functions, and use this information to manipulate (or reprogram) the metabolic pathways used by the tumor, the immune response, or both to improve cancer immunotherapy.  
Application Receipt/Submission Date(s): Multiple dates, see announcement.

• **TITLE:** Revision Applications to R01 Awards for Research on Imaging and Biomarkers for Early Cancer Detection (R01)  
(PAR-13-177)  
**SPONSOR:** National Cancer Institute  
**Synopsis:** This Funding Opportunity Announcement (FOA) invites research project grant (R01) revision applications from investigators with active NIH R01 research project grant awards to support an expansion of the scope of funded R01 project grant awards through the addition of one or more new specific aims. Revision applications are expected to focus on combined imaging and biomarker approaches to improve screening, early cancer detection and diagnosis by integrating multimodality imaging strategies and multiplexed biomarker methodologies.  
Application Receipt/Submission Date(s): Multiple dates, see announcement.

• **TITLE:** Early Phase Clinical Trials in Imaging and Image-Guided Interventions (R01)  
(PAR-14-166)  
**SPONSOR:** National Cancer Institute  
**Synopsis:** This Funding Opportunity Announcement (FOA) is intended to support clinical trials conducting preliminary evaluation of the safety and efficacy of imaging agents, as well as an assessment of imaging systems, image processing, image-guided therapy, contrast kinetic modeling, 3-D reconstruction and other quantitative tools. As many such preliminary evaluations are early in development, this FOA will provide investigators with support for pilot (Phase I and II) cancer imaging clinical trials, including patient monitoring and laboratory studies. This FOA supports novel uses of known/standard clinical imaging agents and methods as well as the evaluation of new agents, systems, or methods. The imaging and image-guided intervention (IGI) investigations, if proven successful in these early clinical trials, can then be validated in larger studies through competitive R01 mechanisms, or through clinical trials in the Specialized Programs of Research Excellence (SPOREs), Cancer Centers and/or the NCI's National Clinical Trials Network.  
Application Receipt/Submission Date(s): Multiple dates, see announcement.

• **TITLE:** Paul Calabresi Career Development Award for Clinical Oncology (K12)  
(PAR-13-201)  
**SPONSOR:** National Cancer Institute  
**Synopsis:** This funding opportunity announcement (FOA) encourages applications for institutional research career development (K12) programs from applicant organizations that propose to promote the training and career development of clinical trials researchers. The purpose of the Paul Calabresi Career Development Award for Clinical Oncology (K12) is to increase the number of clinicians (M.D.s, D.O.s, Pharm.D.s, nurses with Ph.D.s or equivalent) and Ph.D. scientists who are trained to design and test clinical therapeutic research protocols (pilot/Phase I, Phase II, and Phase III clinical trials), conduct patient-oriented cancer therapeutic research in team research environments, and to support the career development of investigators who have made a commitment to focus their research endeavors on patient-oriented research.  
Application Receipt/Submission Date(s): Multiple dates, see announcement.

• **TITLE:** Bioengineering Research Partnerships (BRP) R01  
(PAR-14-092)  
**SPONSOR:** National Institute of Biomedical Imaging and Bioengineering, National Cancer Institute, National Eye Institute, National Human Genome Research 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 of Environmental Health Sciences, National Institute of Neurological Disorders and Stroke  
**Synopsis:** This Funding Opportunity Announcement (FOA) encourages bioengineering applications that will accelerate the development and adoption of promising tools and technologies that can address important biomedical research problems. The objectives are to establish these tools and technologies as robust, well-characterized solutions that fulfill an unmet need and are capable of enhancing our understanding of life science processes or the practice of medicine. Awards will focus on supporting multidisciplinary teams that apply an
integrative, quantitative bioengineering approach to developing these technologies and engage biomedical researchers or clinicians throughout the project. The goal of the program is to support projects that can realize meaningful solutions within 5-10 years.

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

- **TITLE: Genomic Resource Grants for Community Resource Projects (U41)**
  **SPONSOR:** National Institutes of Health, National Cancer Institute, National Human Genome Research Institute
  **Synopsis:** Awards under this FOA will support the development and distribution of genomic resources that will be available to and valuable for the broad research community, using cost-effective approaches. Such resources include (but are not limited to) informatics resources (such as human and model organism databases, ontologies, and coordinated sets of analysis tools), comprehensive identification and collections of genomic features (such as structural variants or functional genomic elements), and standard data types produced for central sets of samples (such as 1000 Genomes or GTEx samples).
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

- **TITLE: Extended Development, Hardening and Dissemination of Technologies in Biomedical Computing, Informatics and Big Data Science (R01)**
  **SPONSOR:** National Cancer Institute, National Institutes of Health, National Institute of General Medical Sciences, National Human Genome Research Institute, National Institute on Alcohol Abuse and Alcoholism, 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, Office of Behavioral and Social Sciences Research
  **Synopsis:** The goal of this program announcement is to support the extended development, maintenance, testing, evaluation, hardening and dissemination of existing biomedical software. The NIH is interested in promoting a broad base of research and development of technologies in biomedical computing, informatics, and Big Data Science that will support rapid progress in areas of scientific opportunity in biomedical research. Applications are intended to develop enabling technologies that could apply to the interests of most NIH Institutes and Centers and range from basic biomedicine and including research to 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.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

- **TITLE: Early Stage Development of Technologies in Biomedical Computing, Informatics, and Big Data Science (R01)**
  **SPONSOR:** National Cancer Institute, National Institutes of Health, National Institute of General Medical Sciences, National Human Genome Research Institute, National Institute on Alcohol Abuse and Alcoholism, 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 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, Office of Behavioral and Social Sciences Research
  **Synopsis:** 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. This initiative aims to address biomedical research areas in biomedical computing, informatics, and Big Data science through the early stage development of new software, tools and related resources, as well as the fundamental research (e.g., methodologies and approaches) leading up to that development.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

- **TITLE: Fogarty HIV Research Training Program for Low- and Middle-Income Country Institutions (D43)**
  **SPONSOR:** National Institutes of Health, Fogarty International Center, National Cancer Institute, National Institute on Drug Abuse, National Institute of Mental Health
  **Synopsis:** The purpose of this FOA is to encourage applications for research training programs to develop and strengthen the scientific leadership and expertise needed for HIV-related research at eligible Low-and Middle-Income Country (LMIC) institutions. This FOA can support training for a broad range of HIV research areas. However, an application must focus the proposed training program to build or strengthen research capacity in a defined HIV-related scientific topic at one identified LMIC institution.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.
- **TITLE:** Centers for AIDS Research and Developmental Centers for AIDS Research (P30) (PAR-14-041)
  **SPONSOR:** National Institutes of Health, National Institute of Allergy and Infectious Diseases, National Cancer Institute, National Institute on Aging, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Diabetes and Digestive and Kidney Diseases, National Institute on Drug Abuse, National Institute of General Medical Sciences, National Institute of Mental Health, Fogarty International Center, National Heart, Lung and Blood Institute
  **Synopsis:** The purpose of this FOA is to invite applications for the Centers for AIDS Research (CFAR) program to provide administrative and shared research support to enhance HIV/AIDS research. Applications are invited for both standard CFARs and for developmental CFARs (D-CFARs). Standard and D-CFARs provide core facilities, expertise, resources, and services not readily obtained otherwise through more traditional funding mechanisms. Additionally, D-CFARs provide support to assist investigators in the development of a competitive standard CFAR. The program emphasizes interdisciplinary collaboration, especially between basic and clinical investigators, translational research between the laboratory and the clinic, inclusion of investigators from diverse backgrounds, and inclusion of prevention and behavioral change research.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

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

- **TITLE:** Peer Reviewed Medical Research Program (PRMRP) - Focused Program Award
  **SPONSOR:** Department of Defense
  **Synopsis:** The PRMRP Focused Program Award mechanism is intended to optimize research and accelerate the solution for a critical question related to a designated FY15 PRMRP Focused Program Award Topic Area through a synergistic, multidisciplinary research program.
  Application Receipt/Submission Date(s): Oct 28, 2015.

- **TITLE:** Peer Reviewed Medical Research Program (PRMRP) - Discovery Award
  **SPONSOR:** Department of Defense
  **Synopsis:** The intent of the PRMRP Discovery Award is to support innovative, untested, high-risk/potentially high-reward research that will provide new insights, paradigms, technologies, or applications. Studies supported by this award are expected to lay the groundwork for future avenues of scientific investigation. Research that is an incremental advance upon published data is not considered innovative and is not consistent with the intent of this award mechanism.
  Application Receipt/Submission Date(s): Jul 9, 2015.

- **TITLE:** Peer Reviewed Medical Research Program (PRMRP): Investigator-Initiated Research Award
  **SPONSOR:** Department of Defense, Department of the Army, U.S. Army Medical Research and Materiel Command, Office of Congressionally Directed Medical Research Programs
  **Synopsis:** The PRMRP Investigator-Initiated Research Award is intended to support studies that will make an important contribution toward research and/or patient care for a disease or condition related to at least one of the Congressionally directed FY15 PRMRP Topic Areas. The Investigator-Initiated Research Award is designed to support research with the potential to yield highly impactful data that could lead to critical discoveries or major advancements.
  Application Receipt/Submission Date(s): Oct 15, 2015.

- **TITLE:** Peer Reviewed Medical Research Program (PRMRP): Technology/Therapeutic Development Award
  **SPONSOR:** Department of Defense
  **Synopsis:** The PRMRP Technology/Therapeutic Development Award is a product-driven award mechanism intended to provide support for the translation of promising preclinical findings into products for clinical applications, including prevention, detection, diagnosis, treatment, or quality of life, in at least one of the Congressionally directed FY15 PRMRP Topic Areas. Products in development should be responsive to the healthcare needs of military Service members, Veterans, and/or beneficiaries. The product(s) to be developed may be a tangible item such as a pharmacologic agent (drugs or biologics) or device, or a knowledge-based product such as clinical guidance for standard of care. The Principal Investigator (PI) must provide a transition plan (including potential funding and resources) showing how the product will progress to the next level of development (e.g., clinical trials, delivery to the military or civilian market) after the completion of the PRMRP award.
  Application Receipt/Submission Date(s): Multiple dates, see announcement.

- **TITLE:** Lung Cancer Research Program Concept Award
SPONSOR: Department of Defense

- **TITLE:** Peer Reviewed Medical Research Program (PRMRP): Clinical Trial Award
  SPONSOR: Department of Defence

- **TITLE:** Research Grant
  [http://www.doctorscancerfoundation.org/id4.html](http://www.doctorscancerfoundation.org/id4.html)
  SPONSOR: Doctors Cancer Foundation

- **TITLE:** Accelerate Clinical Trials Grant
  [http://www.freetobreathe.org/research-grants/our-research-grants/accelerate-clinical-trials-grant](http://www.freetobreathe.org/research-grants/our-research-grants/accelerate-clinical-trials-grant)
  SPONSOR: Free to Breathe

- **TITLE:** SWOG Trial Support (STrS)
  [https://thehopefoundation.org/research-funding/juried-programs/swog-trial-support-strs/](https://thehopefoundation.org/research-funding/juried-programs/swog-trial-support-strs/)
  SPONSOR: The Hope Foundation

- **TITLE:** SWOG/Hope Foundation Impact Award
  SPONSOR: The Hope Foundation

- **TITLE:** SWOG Early Exploration and Development (SEED) Fund
  SPONSOR: The Hope Foundation