

November 16, 2016

Faculty Research Opportunities

NSF Data Infrastructure Building Blocks (DIBBs) - The DIBBs program encourages development of robust and shared data-centric cyberinfrastructure capabilities, to accelerate interdisciplinary and collaborative research in areas of inquiry stimulated by data. DIBBs investments enable new data-focused services, capabilities, and resources to advance scientific discoveries, collaborations, and innovations. The investments are expected to build upon, integrate with, and contribute to existing community cyberinfrastructure, serving as evaluative resources while developments in national-scale access, policy, interoperability and sustainability continue to evolve. This solicitation includes two classes of science data pilot awards: 1. Early Implementations are large "at scale" evaluations, building upon cyberinfrastructure capabilities of existing research communities or recognized community data collections, and extending those data-focused cyberinfrastructure capabilities to additional research communities and domains with broad community engagement; and 2. Pilot Demonstrations address advanced cyberinfrastructure challenges across emerging research communities, building upon recognized community data collections and disciplinary research interests, to address specific challenges in science and engineering research. **Application Due Date: January 3, 2017.**

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504776&org=NSF&sel_org=NSF&from=fund

NCI Research Specialist (Core-based Scientist) Award (R50) - This Funding Opportunity Announcement (FOA) invites grant applications for the Research Specialist Award (R50) in any area of NCI-funded cancer research. This FOA is specifically for core/shared resource/central scientific support scientists. Companion Funding Opportunity is [PAR-17-049](#), [R50](#) Research Specialist Award. The Research Specialist Award is designed to encourage the development of stable research career opportunities for exceptional scientists who want to continue to pursue research within the context of an existing NCI-funded basic, translational, clinical or population science cancer research program, but not serve as independent investigators. These scientists, such as researchers within a core/shared resource/central scientific support, are vital to sustaining the biomedical research enterprise. **Application Due Date is February 2, 2017.** <http://grants.nih.gov/grants/guide/pa-files/PAR-17-050.html>

Global Non-communicable Diseases and Injury Across the Lifespan: Exploratory Research (R21) - This Funding Opportunity Announcement (FOA) supports planning, design and initial pilots for locally relevant and catalytic research on non-communicable diseases (NCDs) or injury in low and middle-income countries (LMICs). Research addressing multiple NCDs and their risk factors and research addressing NCDs as comorbidities for/with infectious diseases including HIV/AIDS is encouraged. Scientists in the United States (U.S.) or upper middle income countries (UMICs) are eligible to partner with scientists in LMIC institutions. Pilot activities and research are expected to inform the development of more comprehensive research programs that contribute to the long-term goals of building sustainable research capacity in LMICs to address NCDs and injury throughout life and to lead to diagnostics, prevention, treatment and implementation strategies. The proposed work may also contribute to developing a base for research networking and evidence-based policy beyond the specific research project. **Application Due Date(s): February 22, 2017; December 14, 2017.**

<http://grants.nih.gov/grants/guide/pa-files/PAR-16-052.html>

Post-baccalaureate Research Education Program (PREP) (R25) - 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 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 and Courses for Skills Development. Applications are encouraged from research-intensive institutions that propose to equip recent baccalaureate science graduates from diverse backgrounds underrepresented in biomedical sciences with the necessary knowledge and skills to pursue Ph.D. degrees in these fields. The program provides support for extensive research experiences and well-designed courses for skills development aimed at preparing individuals from underrepresented backgrounds to complete doctoral degrees. **Application Due Date(s): January 24, 2017; January 24, 2018; January 24, 2019.**
<http://grants.nih.gov/grants/guide/pa-files/PA-17-051.html>

American Association of University Women: Community Action Grants - The American Association of University Women (AAUW) works to advance educational and professional opportunities for women in the United States. The AAUW Community Action Grants program provides funds to individuals, AAUW organizations, and local community-based nonprofit organizations (including universities) throughout the country for innovative programs or non-degree research projects that promote education and equality for women and girls. Special consideration is given to projects focused on K-12 and community college girls' and women's achievements in science, technology, engineering, or math. One-year grants of \$2,000 to \$7,000 provide funds for community-based projects. Two-year grants of \$5,000 to \$10,000 provide start-up funds for new projects that address the particular needs of the community and develop girls' sense of efficacy through leadership or advocacy opportunities. **Application Due Date: January 15, 2017.** <http://www.aauw.org/what-we-do/educational-funding-and-awards/community-action-grants/>

The Greater Kanawha Valley Foundation (TGKVF) – The TGKVF funds projects serving Kanawha, Putnam, Boone, Clay, Lincoln and Fayette Counties and focuses on grantmaking that promotes the seven forms of wealth necessary for a community to thrive, namely individual, intellectual, social, political, natural, built, and financial assets. TGKVF makes discretionary grants in the following areas – education, health, and civic engagement and community building. Single and multi-year grants are awarded, and typical grants are in the range of \$25,000 to \$100,000, although grants outside this range are possible. The type of funds you are seeking depends on the proposal due date. **Application Due Date: varies by program.** <https://tgkvf.org/grants/>

Alpha Foundation for the Improvement of Mine Safety and Health, Inc. - The scope of research opportunity includes all mining sectors including both underground and surface mining. Furthermore, the Foundation seeks to achieve a cohesive, multidisciplinary approach, incorporating a blend of engineering and health science along with behavioral science and training. A major aim of the Foundation is to support research projects that have practical impacts on mine safety and health for workers, operators, and policymakers. For this reason, a particular emphasis is placed on the early translation and rapid dissemination of project findings. **Application Due Date: Concept Papers are due by January 31, 2017** <http://www.alpha-foundation.org/our-grant-program/information-for-current-grantees/>

NARSAD Independent Investigator Grants - The NARSAD Independent Investigator Grant provides support for investigators during the critical period between the initiation of research and the receipt of sustained funding. Basic and/or clinical investigators are supported, but research must be relevant to schizophrenia, major affective disorders, or other serious mental illnesses. The program is intended to facilitate innovative research opportunities. **Application Due Date: December 12, 2016.**
<https://bbrfoundation.org/narsad-independent-investigator-grants>

Coordinating Unit for the Diabetic Complications Consortium (U24) - The purpose of this FOA is to support the NIDDK Diabetic Complications Consortium Coordinating Unit (DiaComp-CU). The DiaComp-CU will continue to enhance and maintain the DiaComp website, and will provide administrative oversight for consortium meetings and opportunity pool programs. Companion Funding Opportunity is [RFA-DK-16-034, U24](#) Resource-Related Research Projects. **Application Due Date: January 12, 2017.** <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-16-036.html>

HRSA Sickle Disease Treatment Demonstration Regional Collaboratives Program - The purpose of this funding opportunity is to fund Regional Coordinating Centers (RCC) that will establish regional networks and provide leadership and support for regional and statewide activities that will develop and establish systemic mechanisms to improve the prevention and treatment of Sickle Cell Disease, by: (1) increasing the number of providers treating individuals with sickle cell disease using the National Heart, Lung and Blood Institute (NHLBI) Evidence-Based Management of Sickle Cell Disease Expert Panel Report; (2) using telementoring, telemedicine and other provider support strategies to increase the number of providers administering evidence-based sickle cell care; and (3) developing and implementing strategies to improve access to quality care with emphasis on individual and family engagement/partnership, adolescent transitions to adult life, and care in a medical home. **Application Due Date: January 13, 2017.** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=290038>

AHA/CCF Pediatric Cardiomyopathy Joint Research Award - The American Heart/Stroke Association is committed to identifying and supporting specific science areas deemed vital to achieving our mission and strategic objectives. The Association has established partnerships with various organizations to fund critical need/high impact and focused research programs. The Children's Cardiomyopathy Foundation (CCF) has partnered with the American Heart Association (AHA) to establish a research award for investigators conducting research specific to pediatric cardiomyopathy. **Application Due Date: February 17, 2017.** http://professional.heart.org/professional/ResearchPrograms/UCM_321397_Research-Partnership-Programs.jsp

AHA/CHF Congenital Heart Defect Research Awards - The Children's Heart Foundation (CHF) has partnered with the American Heart Association to establish the AHA/CHF Congenital Heart Defect Research Awards. A total of \$22.5 million will be awarded from July 2014 through June 2021 to provide support for investigators who are actively conducting basic, clinical, population or translational research directly related to congenital heart defects. **Application Due Date: No Established Deadline.** http://professional.heart.org/professional/ResearchPrograms/UCM_321397_Research-Partnership-Programs.jsp

AHA Scientist Development Grant - The objective of the SDG award is to support highly promising beginning scientists in their progress toward independence by encouraging and adequately funding research projects that can bridge the gap between completion of research training and readiness for successful competition as an independent investigator. Science focus is on research broadly related to cardiovascular function and disease and stroke, or to related clinical, basic science, bioengineering or biotechnology, and public health problems, including multidisciplinary efforts. Proposals are encouraged from all basic disciplines as well as epidemiological, behavioral, community and clinical investigations that bear on cardiovascular and stroke problems. **Application Due Date: February 14, 2017.** http://professional.heart.org/professional/ResearchPrograms/ApplicationInformation/UCM_443318_Scientist-Development-Grant.jsp

AHA National Research Program: National Fellow-to-Faculty Transition Award (FTF) - This program provides funding for trainees with outstanding potential for careers as physician-scientists in cardiovascular or stroke research during the crucial period of career development that spans the completion of research training through the early years of the first faculty/staff position. The award provides a supportive mentored experience during this period of transition. The award will (1) greatly enhance the awardee's chances of obtaining a high-quality faculty/staff appointment; (2) improve the awardee's success and retention in an investigative career in cardiovascular science; and (3) develop the mentoring skills of the awardee as a potential future sponsor. Science focus is on research broadly related to cardiovascular function and disease and stroke, or to related clinical, basic science, bioengineering or biotechnology, and public health problems, including multidisciplinary efforts.

Application Due Date: February 14, 2017.

http://professional.heart.org/professional/ResearchPrograms/ApplicationInformation/UCM_431606_Association-wide-Fellow-to-Faculty-Transition-Award.jsp

Open Meadows Foundation Grants - Open Meadows Foundation is a grant-making organization seeking projects that promote gender/racial/economic justice. The projects must be led by and benefit women and girls, particularly those from vulnerable communities. It offers grants to projects that: are designed and implemented by women and girls; reflect the diversity of the community served by the project in both its leadership and organization; promote building community power; and have limited financial access or have encountered obstacles in their search for funding. **Application Due Date(s): February 15, 2017 and August 15, 2017.** <http://www.openmeadows.org/>

CDC Development and Evaluation of Sports Concussion Prevention Strategies - The purpose of this research is to either (a) develop and pilot test a new intervention OR (b) rigorously evaluate an existing intervention that targets young athletes participating in sports programs. Interventions should be social and behavioral in nature and can represent either primary prevention or secondary prevention of sports-related concussion. Primary prevention interventions aim to prevent sports-related concussions before they occur, while secondary prevention interventions aim to reduce the impact of concussions that have already occurred. Information gleaned from this research can inform mechanisms for change in the culture of youth sports and support multi-stakeholder approaches to promoting a positive (preventive) culture of sport to mitigate negative norms, beliefs, mores, and policies that may increase risks of concussion among young athletes. **Application Due Date: February 16, 2017.**

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=286689>

EPA Early Career: Anticipating the Environmental Impacts and Behavioral Drivers of Deep

Decarbonization - The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing research that will contribute to an improved ability to understand and anticipate the public health and environmental impacts and behavioral drivers of significant changes in energy production and consumption in the United States, particularly those changes associated with advancing toward the deep decarbonization necessary to achieve national and international climate change mitigation objectives and avoid the most significant health, environmental, and economic impacts of climate change. The proposed research is intended to contribute to the development of new insights and predictive tools related to the multimedia, life-cycle impacts of the decarbonization of electricity generation; the electrification of end uses; the adoption of low-carbon emitting, renewable fuels; and the adoption of energy efficiency measures. The proposed research is also intended to contribute to an improved understanding of the drivers of individual, firm (i.e. business), and community decisions that affect energy consumption patterns, including decisions about

the adoption of new technologies and energy efficiency measures. **Application Due Date: February 10, 2017.** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=290094>

CDC Research Using Linked Data to Understand Motor Vehicle Injury Among Older Adults - Motor vehicle crashes are the second leading cause of unintentional injury death for adults aged 65 years and older. The Centers for Disease Control and Prevention's National Center for Injury Prevention and Control (NCIPC) is soliciting investigator-initiated research that will help determine the utility of linked data for identifying risk factors, protective factors, and outcomes of motor vehicle crashes among older adults. A better knowledge of how motor vehicle crashes affect types of injuries and injury severity can increase the potential public health impact of motor vehicle crash prevention efforts. Effective data linkage models could be integrated into more comprehensive crash risk assessment and management strategies and, when adopted, help to decrease the rates of injuries and deaths among persons involved in motor vehicle crashes. **Application Due Date: February 13, 2017.**
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=286671>

CDC Using Influenza-like Illness-specific School Absenteeism as an Early Warning System for Detecting Community Influenza- The project aims at further developing and implementing an influenza-like illness (ILI)-specific absentee monitoring system and assessing its usability for early detection of influenza and other respiratory pathogens in the surrounding community. To achieve this aim, the project will: 1) rapidly determine the causes of school absenteeism in 4K-12 students across selected school district(s) over a four-year period, 2) detect within-household transmission of influenza in households from which a student has been absent from school due to ILI, and 3) assess comparability between surveillance based on influenza-specific absenteeism and multiple layers of complimentary influenza surveillance centered on this school district. **Application Due Date: March 1, 2017.**
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=290012>

DHHS Field Initiated Projects Program (RESEARCH) - The purpose of the Field Initiated (FI) Projects program is to generate new knowledge through research or to develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration into society, employment, independent living, family support, and economic and social self-sufficiency of individuals with disabilities, especially individuals with the most severe disabilities. Another purpose of the FI Projects program is to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended. In carrying out a research activity under an FI Projects research grant, a grantee must identify one or more hypotheses or research questions and, based on the hypotheses or research questions identified, perform an intensive, systematic study directed toward producing (1) new scientific knowledge, or (2) better understanding of the subject, problem studied, or body of knowledge. Please note that this will be the funding opportunity for FI Research proposals. **Application Due Date: February 22, 2016.** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=280700>

HRSA Home Visiting Research and Development Platform - This announcement solicits applications for the Home Visiting Research and Development (RandD) Platform. The purpose of this competition is to support a transdisciplinary research network for scientific collaboration and infrastructure building for innovative home visiting research. The research network will produce meaningful impacts that will significantly extend the evidence-base of home visiting through research that is informed by and reflects the principles of: 1) co-creation; 2) specificity and precision; 3) rapid-cycle and iterative methods; 4) targeting to identify who benefits most; 5) use of an "active ingredients" approach by identifying the components of interventions that lead to improved outcomes, and; 6) innovation beyond interventions

and into systems. **Application Due Date: January 11, 2017.** <http://www.grants.gov/web/grants/view-opportunity.html?oppId=290030>