

SPHHP Research Activities Newsletter

University at Buffalo

January 2016

In the News

Congratulations to the Following Awardees:



R. Lorraine Collins, Professor of Community Health and Health Behavior and Associate Dean of Research for SPHHP, is Co-Investigator on a continuation award from the U.S. Department of Justice with PI Amy Hequembourg (UB's Research Institute on Addictions) for the project entitled *Identifying Sexual Assault Mechanisms Among Diverse Women*. The project continues to seek to provide insights into mechanisms associated with sexual assault among sexual minority women to provide these victims with necessary services which often are inadequate to their needs.



Gary Giovino, Professor and Chair of Community Health and Health Behavior, is PI on a new award from the CDC Foundation for the project entitled *Monitoring Non-Communicable Disease (NCD) Risk Factors Using Mobile Telephones*. Dr. Giovino will provide technical expertise for the development of the Bloomberg Data for Health Initiative's NCDs risk factor mobile phone survey's questionnaire; will chair the questionnaire review session at a global expert consultation for the mobile phone survey protocol; and will provide technical assistance to countries as they select supplemental questions within their mobile phone survey questionnaire.



Christine Oddo, Research Assistant Professor, Center for Assistive Technology, is PI on a renewal award from the NYS Office of Children & Family Services for the project entitled *Buffalo Assistive Technology Center*. The Center provides assessments of assistive technological needs and abilities of consumers who are blind or have vision impairments.



Pavani Ram, Associate Professor of Epidemiology and Environmental Health, is PI on a continuation award from the University of California at Berkeley for the project entitled *Measuring the Benefits of Sanitation, Water Quality and Handwashing Interventions for Improving Health and Development*. Dr. Ram will provide global support for hand-washing measurement (questionnaire-based and structured observation) and will finalize measurement for Bangladesh and Kenya.



Xuefeng Ren, Assistant Professor of Epidemiology and Environmental Health (EEH), is PI on a continuation award from the National Cancer Institute/NIH for the project entitled *FRY in Inhibiting EMT and its Anti-Invasion/Metastasis Effects in Breast Cancer*. The study will continue to examine the molecular mechanisms of the FRY gene in inhibiting breast cancer progression and invasions/metastasis and explore the diagnostic and therapeutic effects of FRY in breast cancer. **Bing Su**, Research Assistant Professor of EEH, is Co-Investigator.

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Awards, Con't



David Tritchler, Research Professor of Biostatistics, is PI on a continuation award from Health Research Inc. (Roswell Park Cancer Institute) for the project entitled *Flaxseed Effects on Hormones and Lignans: Role of Race, Genes and Gut Microbiome*. Dr. Tritchler will continue to provide statistical analyses of the associations between the composition of the gut bacterial communities and the baseline level of lignans and steroid hormones.



Jiwei Zhao, Assistant Professor of Biostatistics, is PI on a continuation award from Health Research Inc. (Roswell Park Cancer Institute) for the project entitled *NRG Oncology NCORP Research Base – SDMC*. Dr. Zhao will work with PIs to develop research protocols for submission to the NCORP Protocol Committee and NCI's Division of Cancer Prevention. He also will analyze data from studies that reach fruition and collaborate on scientific publications.

The following SPHP faculty have received funding from the National Center for Advancing Translational Sciences for the CTSA Pilot Program:



Daniel Gaile, Assistant Professor of Biostatistics, is Co-Investigator on the following two awards: 1) *CTSA Pilot: Analysis of the Source and Significance of IgM in Sjögren's Syndrome* with PI Jill Kramer (Oral Biology). The study seeks to identify B cell subsets responsible for autoreactive IgM secretion and determine whether this IgM is pathogenic in the context of murine Sjögren's Syndrome. 2) *CTSA Pilot: Highly Sensitive and Portable Surface Plasmon Resonance System for Lung Cancer Early Detection* with PI Qiaogiang Gan (Electrical Engineering). The study aims to develop a cellphone based, highly compact, highly sensitive, low cost and portable surface plasmon resonance system to improve detection sensitivity and specificity, and to incorporate more user-friendly design.



Rachel Hageman Blair, Assistant Professor of Biostatistics, and **Jeffrey Miecznikowski**, Associate Professor of Biostatistics, are Co-Investigators with PI Thomas Szyperski (Chemistry) on the project entitled *CTSA Pilot: Multi-Class Modeling of Metabonomics Data for the Detection of Early Stage Ovarian Cancer*. The first phase of the study will develop broadly applicable protocols for biostatistical multi-class modeling and will be tested for the diagnosis of early stage epithelial ovarian cancer. Phase 2 will focus on the acquisition of nuclear magnetic resonance profiles obtained from a population study and applying the new predictive multi-class models to those profiles.



Xuefeng Ren, Assistant Professor of Epidemiology and Environmental Health, is PI on the project entitled *CTSA Pilot: Inheritable Epigenetic (DNA methylation) Biomarkers and Actions of Arsenic Exposure in its Carcinogenic Activity*. The study will determine whether arsenic exposure induces arsenic-specific inheritable DNA methylation changes, and to identify inheritable DNA methylation biomarkers that are transmitted from early generation and associated with arsenic-induced carcinogenesis. **Daniel Gaile**, Assistant Professor of Biostatistics, is Co-Investigator.



Youfa Wang, Professor of Epidemiology and Environmental Health, is Co-Investigator with PI Xiaozhong Wen (Pediatrics) on the project entitled *CTSA Pilot: Pilot Study on Pediatric Obesity Prevention by Maternal Smoking Cessation in Pregnancy and Lactation*. The study will examine the effects of maternal smoking cessation intervention in pregnancy on infant gain in WFL z-score from birth to 6 months and examine the effect of maternal smoking abstinence intervention in lactation and infant post-weaning gain in WFL z-score among the women who have successfully quit smoking in pregnancy.

Grant Clinic

REMINDER: Changes to NIH and AHRQ Grant Applications and Post-Award Forms and Instructions

Effective for applications submitted on or after January 25, 2016:

- 1) There will be new application requirements and review language regarding enhanced rigor and reproducibility
- 2) Less information will be required for the vertebrate animal section of the application
- 3) Inclusion of Children will lower the age designation for children to include those under 18 years old
- 4) Information requirements will change and lower applicant burden for training grants (please see [NOT-OD-16-004](#) for information on the updated requirements and instructions for several attachments on the PHS 398 Research training Program Plan form.)

[NOT-OD-16-011](#) Implementing Rigor and Transparency in Research Grant Applications and Career Development Awards

Updates to Application instructions and review language intended to enhance the reproducibility of research findings will take effect for most research grant applications and career development awards due on or after **January 25, 2016**. Updates include revisions to the application guide instructions for preparing your research strategy attachment; use of a new “Authentication of Key Biological and/or Chemical Resources” attachment; and additional rigor and transparency questions reviewers will be asked to consider when reviewing applications. Additional informational resources include a [website](#) for a description of reproducibility efforts for NIH applicants and grantees; and a [Frequently Asked Questions](#) page.

[NOT-OD-16-006](#) Simplification of the Vertebrate Animals Section (VAS) of NIH Grant Applications and Contract Proposals

Changes have been made in the requirements of the VAS of grant applications, cooperative agreements and | contracts. The VAS criteria are now simplified by the following changes: 1) a description of veterinary care is no longer required; 2) justification for the number of animals has been eliminated; and 3) a description of the method of euthanasia is required only if the method is not consistent with AVMA guidelines. The requirements will take place for all grant applications except Fellowship (F series) and Training (T series) grants for due dates on or after **January 25, 2015** and will take effect for all applications for due dates on or after **May 25, 2016**.

[NOT-OD-16-010](#) Inclusion of Children in Clinical Research: Change in NIH Definition

Starting with applications due on or after **January 25, 2016**, for purposes of the inclusion policy, the age of a child will be defined as individuals under 18 years old instead of under 21 years old.

Save the Date – 2016 NIH Regional Seminar

The 2016 NIH Regional Seminar will be held May 11-13, 2016 in Baltimore, Maryland. The seminar offers a comprehensive program about the NIH grants process and related policies, including topics such as peer review, grant writing for success, pre-award and post-award issues for investigators, and animal and human subject research. A New Investigator’s track will provide step-by-step guidance on mapping your career, an understanding of the funding process, and what can be expected up to the time of award. Registration for the seminar will open in early 2016. For further information, please see [NOT-OD-16-026](#).

Notice of Correction to Application and Submission Information and Review Criteria for RFA-HL-17-008 “Pulmonary and Cardiovascular Consequences of Inhaled Nicotine (R01)”

The NHLBI has issued a revision to the FOA, Section IV, Application and Submission Information; 2. Content and Form of Application Submission; SF424 (R&R) Senior/Key Person Profile. The FOA has been modified to read: *Where applicable to the proposed specific research aims, describe relevant expertise and experience in such areas as aerosol sciences, inhalation dosimetry, pharmacology, immunology, molecular biology, developmental biology, cardiology, and pulmonology. Describe how proposed personnel will collaborate to provide relevant expertise.* For further information, please see [NOT-HL-15-286](#).

Notice of Change in Key Dates for FOAs “The NCI Predoctoral to Postdoctoral Fellow Transition Award (F99/K00)”

The Key Dates Section for these FOAs have been revised with the following:

RFA-CA-16-005	Advisory Council Review: May 2016	Earliest Start Date: August 2016
RFA-CA-16-019	Advisory Council Review: August 2016	Earliest Start Date: September 2016

All other aspects of these FOAs remain the same. [NOT-CA-16-018](#); [NOT-CA-16-019](#)

Addiction Research: There’s an App for that

NIDA announces a new Challenge/Prize Competition (<https://www.federalregister.gov/articles/2015/11/03/2015-27939/national-institutes-of-health-national-institute-on-drug-abuse-nida-announcement-of-requirements-and>)

The objective of this Challenge is to promote the development of innovative mobile applications (apps) for future addiction studies. The Challenge requires that the apps be explicitly created using Apple Inc.’s [ResearchKit™](#), an open-source software kit designed specifically for biomedical and health research.

Submission Due Date: April 29, 2016

[NOT-DA-15-080](#)

NHLBI Announces Small Business Topics of Special Interest (TOSI)

The Small Business TOSI listing may be accessed at:

http://www.nhlbi.nih.gov/research/funding/sbir/funding-opportunities/omnibus_grant_solicitation.htm

Small business applicants may submit investigator-initiated applications through any of the Omnibus Funding Opportunity Announcements (PA-15-270; PA-15-269; PAR-14-088).

[NOT-HL-15-282](#)

Notice of Intent to Publish a Funding Opportunity Announcement for Child Health Quality Measurement Implementation and Development

AHRQ, in collaboration with CMS, intends to fund a new multi-year competitive cooperative agreement program aimed at establishing partnerships with the state Medicaid/CHIP programs to support development, testing, use and implementation of new or enhanced pediatric quality measures. The planned FOA is expected to be published in spring, 2016 with an expected application due date in the summer, 2016.

[NOT-HS-16-002](#)

Notice of Participation of the National Institute on Minority Health and Health Disparities (NIMHD) in PAR-16-052 “Global Noncommunicable Diseases and Injury Across the Lifespan: Exploratory Research (R21)”

Effective immediately, NIMHD will participate in PAR-16-052. Please see the NIH notice for the Institute’s research interests for this FOA.

[NOT-MD-16-004](#)

Notice of Frequently Asked Questions Posted for the Following Funding Opportunity Announcements:

- Environmental Influences on Child Health Outcomes (ECHO Program Website and Upcoming ECHO Webinars FAQs have been posted to: <http://www.nih.gov/echo/frequently-asked-questions>
A webinar will be held on February 1 from 2:30-3:30 for applicants to ask additional questions. To register, please visit [ECHO.NIH.2016](#)
[NOT-OD-16-039](#)
- RFA-HL-16-024 (R35) NHLBI Outstanding Investigator Award
RFA-HL-16-025 (R35) NHLBI Emerging Investigator Award
FAQs have been posted to <https://www.nhlbi.nih.gov/research/funding/nhlbi-r35-outstanding-investigator-award-and-emerging-investigator-award-program>
Applicants are encouraged to view the FAQs before submitting their application.
[NOT-HL-15-288](#); [NOT-HL-15-289](#)

University at Buffalo Funding Opportunities

The Community for Global Health Equity (CGHE) is accepting applications for funding support to foster novel teams and approaches to address global health equity issues. Applications should include faculty from at least one health discipline and one APEX (architecture, planning, engineering, and other cross-synergizing) discipline. Proposals must also have a clearly articulated global health equity challenge and identify entities of populations that would benefit from the project. For questions or further information, please contact Dr. Pavani Ram, Director, Community for Global Health Equity, pkram@buffalo.edu or visit [Community For Global Health Equity Funding](#).

Application Due Date: February 29, 2016, 5 pm via email to pkram@buffalo.edu

The Genome, Environment, and Microbiome (GEM) Community of Excellence is accepting applications for its Pilot Project program. The program seeks innovative projects focused on the microbiome that will (a) advance our understanding of the components of and interactions among microbiome communities; (b) explore interactions between microbiome communities and their environment (including the human body); and/or (c) expand our understanding of the effect of microbiome composition and structure on human disease. For questions, please contact Jennifer Surtees, jsurtees@buffalo.edu.

Application Due Date: March 15, 2016 via email to coe-gem@buffalo.edu

<http://www.buffalo.edu/research/research-services/find-funding/find-ub-funding/genome--environment-and-microbiome-pilot-funding.html>

NIH Funding Opportunities: Requests for Applications (RFA)

February Due Dates

[RFA-ES-15-017 \(R21\)](#); [RFA-ES-15-015 \(R03\)](#)

Breast Cancer and the Environment Communication Research Initiative

These FOAs encourage research projects focused on the process of effective communication of research findings about breast cancer and the environment. A central objective of this new initiative is to ensure that risk messaging is designed for dissemination and effectively implemented, and leads to individual behavior change or policy change. The ultimate goal is to provide the development, dissemination, and implementation communication-based prevention efforts to reduce the risk for breast cancer from environmental factors.

Application Due Date: February 10, 2016

[RFA-AG-16-023 \(K76\)](#)

Paul B. Beeson Emerging Leaders Career Development Award in Aging

The National Institute on Aging is pursuing this initiative to recruit talented new investigators who have begun to establish research programs and through this award will be ready to assume leadership roles in their field of expertise and well poised to change theory, practice and health outcomes related to the health of older individuals. Unlike other mentored K awards, candidates for this award must have received competitively awarded research support as a PD/PI at the faculty level and have had prior leadership responsibilities in the clinical or research domain.

Application Due Date: February 19, 2016

[RFA-CA-16-005 \(F99/K00\)](#)

The NCI Predoctoral to Postdoctoral Fellow Transition Award

The purpose of this Award 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 Due Date: February 19, 2016

[RFA-HL-17-008 \(R01\)](#)

Pulmonary and Cardiovascular Consequences of Inhaled Nicotine

The purpose of this FOA is to stimulate mechanistic research on the pathophysiological effects of inhaled nicotine on the respiratory and cardiovascular systems in the context of non-cancer heart and lung diseases. This FOA invites applications that will investigate effects of nicotine exposure using cellular systems, animal models, and/or humans. Projects must include experiments at the molecular/cellular level as well as experiments at the tissue/organ/whole animal level.

Application Due Date: February 29, 2016

March Due Dates

[RFA-DA-16-010 \(R01\)](#)

Seek, Test, Treat and Retain Youth and Young Adults Living with or at High Risk for Acquiring HIV

The purpose of this FOA is to examine seek, test, treat and retain approaches among youth and young adults (ages 13-25) who are at high risk for HIV acquisition or have already acquired HIV. Applications should incorporate substance use into study aims; objectives should address substance use prevention, screening, and/or treatment in ways that facilitate use of HIV prevention and treatment services.

Application Due Date: March 2, 2016

[RFA-DA-16-011 \(R01\)](#)

Integration of Infection Diseases and Substance Abuse Intervention Services for Individuals Living with HIV

The purpose of this FOA is to develop and test organizational and systems level interventions to determine how best to provide comprehensive, high quality, integrated, sustainable, cost-effective interventions to improve the health outcomes of people living with HIV (PLWH) with substance use disorders and other comorbid conditions. This FOA will support: 1) multidisciplinary research to enhance the adoption and integration of evidence-based screening and treatment of substance abuse in HIV centers and closely related medical settings; and 2) multidisciplinary research to increase the adoption and integration of effective HIV treatment in addiction treatment settings.

Application Due Date: March 2, 2016

[RFA-DA-16-014 \(R01\)](#)

Effects of Drugs of Abuse on Latent HIV Reservoirs in the CNS

The purpose of this FOA is to promote research to investigate the underlying molecular mechanisms by which HIV latency is initiated, established, and maintained in the CNS and to determine how drugs of abuse modulate HIV latency and the size and persistence of CNS HIV reservoirs. The ultimate goal is to obtain information for developing new or improved therapies for HIV treatment in drug-abusing populations.

Application Due Date: March 3, 2016

[RFA-NR-16-003 \(R01\)](#)

Promoting Caregiver Health Using Self-Management

The purpose of this initiative is to stimulate research in promoting caregiver health using self-management. Caregiving is an important science area since the number of people living longer with chronic conditions is growing. Informal caregivers (lay caregivers) are defined as unpaid individuals (spouses, partners, family members, friends, or neighbors) involved in assisting others with activities of daily living and/or medical tasks. Formal caregivers are paid, delivering care in one's home or care settings (daycare, residential care facility) (Family Caregiver Alliance, 2012). This concept focuses on informal caregivers.

Application Due Date: March 3, 2016

[RFA-HS-16-001 \(R18\)](#)

Increasing Access to Medication-Assisted Treatment (MAT) in Rural Primary Care Practices

This initiative will fund demonstration research projects that implement MAT for opioid use disorder in primary care practices in rural areas of the United States. In addition to expanding access to this evidence-based therapy in underserved communities, this initiative will discover and test solutions to overcoming known barriers to implementation of MAT in primary care and create training and implementation resources to support future efforts to expand access to MAT.

Application Due Date: March 4, 2016

[RFA-AI-16-006 \(R01\)](#)

U.S.-China Program for Biomedical Collaborative Research

The purpose of the U.S.-China Program for Biomedical Collaborative Research is to stimulate collaborative basic, translational, and clinical research between United States (U.S.)-based researchers and Chinese researchers in the areas of allergy, immunology, and infectious diseases including HIV/AIDS and its co-morbidities and co-infections, mental health, and selected neurological disorders.

Application Due Date: March 17, 2016

April Due Dates

[RFA-DA-16-013 \(R01\)](#)

Systems Biology Approaches in HIV/AIDS and Substance Use

The purpose of this FOA is to support systems biology research projects that address critical questions in HIV/AIDS research in the context of drugs of abuse. Substance use and abuse present unique challenges for HIV prevention, treatment, disease progression, medical consequences, potential cure, and responses to vaccines or therapeutics. Understanding the complex biological intersection of HIV/AIDS and substance use and abuse is the central theme of this FOA.

Application Due Date: April 4, 2016

[RFA-DK-16-017 \(R01\)](#)

Psychosocial and Behavioral Mechanisms in Bariatric Surgery

This FOA will support research to measure psychosocial and behavioral factors in individuals undergoing bariatric surgery to examine mechanisms of behavior change and how they relate to post-surgical success and risk. The goals of this funding opportunity announcement are to support science that will ultimately help: 1) Improve the ability to identify who is at risk for sub-optimal weight loss, weight regain, and short- or long-term adverse metabolic/physiologic or behavioral outcomes based on behavioral or psychological characteristics and 2) Inform the development of new treatment approaches to be used pre and/or post-surgery to minimize risks and improve outcomes or allow for more tailored patient and procedure selection.

Application Due Date: April 14, 2016

[RFA-AI-15-056 \(U19\)](#)

International Centers of Excellence for Malaria Research (ICEMR)

This FOA solicits applications to participate in an ICEMR program that will provide a multidisciplinary research approach to malaria control and prevention. The overarching goal of the ICEMR program is to establish research centers in malaria-endemic settings that will provide the necessary knowledge, tools, and evidence-based strategies for use by government organizations and health care institutions to control and treat malaria. This program is not intended to support research which can be conducted primarily in U.S. institutions. *Only one application per institution is allowed; if interested in applying, please contact Ken Tramosch at ovpr.limitedsubmission@research.buffalo.edu.*

Application Due Date: April 15, 2016

Environmental Influences on Child Health Outcomes (ECHO)

[RFA-OD-16-003 \(U24\)](#) – Patient Reported Outcomes Research Resource Center Core

[RFA-OD-16-004 \(UG3/UH2\)](#) – Pediatric Cohorts

[RFA-OD-16-005 \(U24\)](#) - Data Analysis Center

[RFA-OD-16-006 \(U2C\)](#) – Coordinating Center

These FOAs are four of seven companion FOAs that will establish the elements of the ECHO Consortium. Clinical Sites will collect clinical data and specimens from well-characterized participants. A Data Analysis Center (DAC) will oversee data standardization, integration, and storage, and will implement data sharing and computational tools for the integrated analysis of clinical and laboratory data. Overall coordination will be provided by an ECHO Coordinating Center (CC). Awardees will comprise the ECHO Consortium and must work collaboratively to plan and execute a large study to discover and characterize the impact of the environment on child health and disease. The product will be a publicly available data resource that will enhance and accelerate subsequent mechanistic research on childhood diseases and conditions affected by environmental influences.

Application Due Date: April 15, 2016

June Due Dates

[RFA-DK-16-001 \(DP3\)](#) – Pre-teens (ages 10-12); Adolescents (ages 13-18); Young Adults (ages 19-30)

[RFA-DK-16-003 \(DP3\)](#) – Young Children (under 5 years old); School-aged Children (ages 5-9)

Improving Diabetes Management in Type 1 Diabetes

The goal of these FOAs is to encourage applications from institutions/organizations proposing to develop, refine, and pilot test innovative strategies to improve diabetes management. At the end of the funding period, there should be a well-developed and well-characterized intervention that has been demonstrated to be safe, feasible to implement, acceptable in the target population, and, if promising, ready to be tested in a larger efficacy trial.

Application Due Date: June 22, 2016

[RFA-DK-16-002 \(DP3\)](#)

Understanding Barriers and Facilitators to Type 1 Diabetes Management in Adults

The goal of this FOA is to support research that will identify barriers and facilitators to good diabetes self-management in adults with type 1 diabetes. The results from this research should inform future intervention research in adults with type 1 diabetes.

Application Due Date: June 22, 2016

Multiple Due Dates

[RFA-ES-15-020 \(R01\)](#)

Outstanding New Environmental Scientist (ONES) Award

The ONES Award is intended to identify the most talented Early Stage Investigators (ESIs) who intend to make a long-term commitment to research in the Environmental Health Sciences and assist them in launching an innovative research program focused on the understanding of environmental exposure effects on people's health. *Only one application per school or college within a University will be accepted; if interested in applying, please contact R. Lorraine Collins, rcollins@buffalo.edu.*

Application Due Dates: February 26, 2016; February 28, 2017; February 27, 2018

[RFA-EB-16-001 \(R43/R44\)](#)

Development and Translation of Medical Technologies to Reduce Health Disparities (SBIR)

This FOA encourages applications from small business concerns that propose to develop and translate medical technologies aimed at reducing disparities in healthcare access and health outcomes. Grant applications must address the healthcare needs of a health disparity population and must involve a formal collaboration with a healthcare provider or other healthcare organization serving one or more health disparity populations during Phase I and Phase II.

Application Due Dates: March 4, 2016; July 6, 2016

[RFA-MH-16-800 \(R01\)](#)

Applied Research Toward Zero Suicide Healthcare Systems

This FOA is intended to support applied research that advances the National Action Alliance for Suicide Prevention's "Zero Suicide" goal of preventing suicide events (attempts, deaths) among individuals receiving treatment within health care systems. Research is needed in a variety of settings, including behavioral health and substance abuse outpatient clinics, emergency departments and crisis care programs and centers, hospitals, and integrated primary care programs.

Application Due Dates: March 4, 2016; November 2, 2016

[RFA-HL-16-025 \(R35\)](#)

NHLBI Emerging Investigator Award (EIA)

The purpose of the NHLBI Emerging Investigator Award (EIA) is to promote scientific productivity and innovation by providing long-term support and increased flexibility to Program Directors /Principal Investigators (PDs/PIs) who currently have two NHLBI R01 awards, of which one must be an NHLBI-funded NIH [Early Stage Investigator](#) R01 award. The NHLBI EIA will provide investigators increased freedom to conduct research that breaks new ground or extends previous discoveries in new directions.

Application Due Dates: March 15, 2016; February 15, 2017; February 15, 2018

NIH Funding Opportunities: Program Announcement Reviewed by an Institute (PAR)

[PAR-16-052 \(R21\)](#)

Global Noncommunicable Diseases and Injury Across the Lifespan: Exploratory Research

This 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.

Application Due Date: February 24, 2016; February 22, 2017

[PAR-16-055 \(R21\)](#)

Mechanism for Time-Sensitive Drug Abuse Research

This FOA will support pilot, feasibility or exploratory research in 5 priority areas in substance use epidemiology and health services, including: 1) responses to sudden and severe emerging drug issues; 2) responses to emerging marijuana trends and topics related to the shifting policy landscape; 3) responses to unexpected and time-sensitive prescription drug abuse research opportunities; 4) responses to unexpected and time-sensitive medical system issues; and 5) responses to unexpected and time-sensitive criminal or juvenile justice opportunities.

Application Due Dates: February 8, 2016; June 8, 2016; November 8, 2016; February 8, 2017; June 8, 2017; November 8, 2017; February 8, 2018; June 8, 2018; November 8, 2018

[PAR-16-054 \(S10\)](#)

Shared Instrumentation Grant (SIG) Program

The Shared Instrument Grant (SIG) program encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instruments or integrated systems that cost at least \$50,000. The maximum award is \$600,000. Types of instruments supported include, but are not limited to: X-ray diffraction systems, nuclear magnetic resonance (NMR) and mass spectrometers, DNA and protein sequencers, biosensors, electron and confocal microscopes, cell-sorters, and biomedical imagers.

Application Due Date: May 16, 2016

[PAR-16-037 \(R34\)](#)

NHLBI Clinical Trial Pilot Studies

This FOA is to support studies that are essential, yet also sufficient, for investigators to make definitive decisions about the designs of important clinical trials within NHLBI's mission, the prevention and treatment of heart, lung, blood, and sleep disorders. This mechanism may be used to test the feasibility of novel and efficient (pragmatic) trial designs, as well as determine the feasibility of an intervention, intervention parameters, subject availability, or other information essential to complete the design of a trial. Applications should demonstrate that the proposed pilot studies are both necessary and sufficient to permit definitive decisions about the design of the subsequent clinical trial.

Application Due Dates: Standard dates apply

[PAR-16-061 \(R01\)](#)

Natural History of Disorders Identifiable by Screening of Newborns

This FOA encourages applications that propose to develop studies that will lead to a broad understanding of the natural history of disorders that already do or could potentially benefit from early identification by newborn screening. By defining the sequence and timing of the onset of symptoms and complications of a disorder, a valuable resource will be developed for the field. In addition, for some disorders, specific genotype-phenotype correlations may allow prediction of the clinical course, and for other disorders, identification of modifying genetic, epigenetic, or environmental factors will enhance an understanding of the clinical outcomes for an individual with such a condition.

Application Due Dates: Standard dates apply

[PAR-16-064 \(R21\)](#)

Small Grants for New Investigators to Promote Diversity in Health-Related Research

The purpose of this FOA is to provide support for New Investigators from backgrounds nationally underrepresented in biomedical and behavioral research to conduct small research projects in the scientific mission areas of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). The R21 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Application Due Dates: Standard dates apply

**NIH Funding Opportunities:
Program Announcements (PA)**



[PA-16-038 \(R34\)](#)

NEI Clinical Study Planning Grant Program

Application Due Dates: Standard dates apply

Expiration Date: January 8, 2019

Awards Received between 07/01/2015 and 12/31/2015

At 6-month intervals, we acknowledge and celebrate the success of faculty within the SPHHP who have garnered external funding. Listed below are the SPHHP faculty (alphabetized by department) who received new or renewal/continuation awards, as UB principal investigators, between 07/01/2015 and 12/31/2015.

PI	Department	Title	Sponsor
Rachel Hageman Blair	Biostatistics	QuBBD: Collaborative Research: Interactive Ensemble Clustering for Mixed Data with Application to Mood Disorders	National Science Foundation
Alan Hutson	Biostatistics	RPCI-UPCI Ovarian Core SPORE – Core C: Biostatistics and Medical Bioinformatics	Health Research Inc. (Roswell Park C.I.)
Gregory Wilding	Biostatistics	1) Roswell Park Cancer Institute Center Support Grant 2) PDT Mechanisms and Strategies for Optimization: Core C	Health Research Inc. (Roswell Park C.I.)

PI	Department	Title	Sponsor
Jihnhee Yu	Biostatistics	Child and Family Outcomes Evaluation for State Performance Plan	NYS Department of Health
Jiwei Zhao	Biostatistics	Prospective Evaluation of Lower Extremity Lymphedema in Women Undergoing Radical Surgery for Gynecological Cancer	Health Research Inc. (Roswell Park C.I.)
Gary Giovino	Community Health and Health Behavior	1) African American Youth and Young Adult Tobacco Use Project 2) Monitoring Non-Communicable Disease Risk Factors Using Mobile Telephones	Carter Consulting Inc. CDC Foundation
Heather Orom	Community Health and Health Behavior	“Don’t Know” Responses to Risk Perception Questions: Identifying Mechanisms and Solutions	National Cancer Inst.
Jo Freudenheim	Epidemiology & Environmental Health	Interdisciplinary Training Center in Cancer Epidemiology at UB	National Cancer Inst.
Arthur Michalek	Epidemiology & Environmental Health	Population Health Improvement Program	P ² Collaborative of WNY
John Violanti	Epidemiology & Environmental Health	Stressors and Cardio Metabolic Disease in Police: A 12-Year Longitudinal Study	National Institute of Occupational Safety and Health
Jean Wactawski-Wende	Epidemiology & Environmental Health	Women’s Health Initiative – Regional Center	National Heart, Lung and Blood Institute
David Hostler	Exercise and Nutrition Sciences	University at Buffalo Hyperbaric Chamber Re-furbishment Equipment Grant	U.S. Navy Office of Naval Research
Todd Rideout	Exercise and Nutrition Sciences	1) Cardiovascular Protection by Phytosterols in Dyslipidemic Mothers and Progeny 2) Identification of Differentially Expressed Genes Underlying Improvements in Body-Composition and Cardiovascular Health in Response to Canola Oil Consumption	National Center for Complementary and Alternative Medicine The Canola Council of Canada
Christine Oddo	Rehabilitation Science	1) Equipment Loan Closet 2) Buffalo Assistive Technology Center	NYS Office of Children and Family Services



“Ability is what you’re capable of doing. Motivation determines what you do. Attitude determines how well you do it.”

Lou Holtz (born January 6, 1937) is a former American football player, coach and analyst.

