

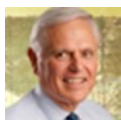
SPHHP Research Activities Newsletter

University at Buffalo

February 2016

In the News

Congratulations to the Following Awardees:



Randolph Carter, Professor Emeritus of Biostatistics, is PI on a new award from Hunter's Hope Foundation for the project entitled *Death Certificate and Disease Registry Data for Epidemiological Description of Leukodystrophy Diseases (LD)*. The project will collect data to provide an epidemiological description of each LD that is observed in infants and is in the GLIA registry. Prevalences, mortality rates, and measures of lifetime risk are needed for assessments that will aid efforts to garner adequate funding for research on causal mechanisms and therapies and development of infrastructure such as NBS programs and the LCN.



James Lenker, Associate Professor of Rehabilitation Science, is PI on a new award from GoBike Buffalo for the project entitled *Measuring the Impact of Complete Streets Projects: Preliminary Field Testing*. The project is a feasibility study designed to assess the viability of several measurement tools that are potentially applicable to quantitative evaluation of Complete Streets programs. The tools will touch upon several areas of impact, including: safety, economic and environmental impact, bike/pedestrian volume, and citizen feedback.



Kirkwood Personius, Clinical Associate Professor of Rehabilitation Science, is PI on a new award from Montana State University for the project entitled *Why Do Mutations in IKBKAP Cause Familial Dysautonomia*. The project seeks to understand the function of the gene IKBKAP in the nervous system and why its reduction leads to Familial Dysautonomia. The long term goal is to develop therapeutics to prevent the progressive death of neurons that is a hallmark of this disease.



Jennifer Temple, Associate Professor of Exercise and Nutrition Sciences, is PI on a new award from the National Institute of Diabetes and Digestive Kidney Diseases/NIH for the project entitled *Sensitization of the Reinforcing Value of Food as a Predictor of Weight Change in Adolescents*. The project will study weight-related consequences of sensitization to the reinforcing value of food and identify factors that moderate changes in body weight over time as they relate to the reinforcing value of food.



Lili Tian, Professor and Associate Chair of Biostatistics, is PI on a continuation award from Health Research Inc. (Roswell Park Cancer Institute) for the project entitled *Gender Disparity in Bladder Cancer and Chemo-preventive Intervention*. Dr. Tian will provide statistical analysis, as well as review and participate in the writing of reports and manuscripts.



Gregory Wilding, Professor of Biostatistics, is PI on a continuation award from Health Research Inc. (Roswell Park Cancer Institute) for the project entitled *PDT Mechanisms and Strategies for Optimization: Core C*. Dr. Wilding will provide statistical analysis and participate in the design of the project and in manuscript preparation.

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Grant Clinic

The next few months are the ideal time to submit an application to NIH..... FY 2016 (which runs from Oct. 2015 through Sept. 2016) is an excellent time to submit an application to NIH. As you know, the federal budget for FY 2016 includes an increase of \$2 billion for the National Institutes of Health (NIH); a 6.6% increase and the largest that NIH has received in 12 years. Various sources, including the ASPPH are highlighting the fact that the increase in funding to NIH will lead to more grants being funded. Thus, the ASPPH Advocacy noted that NIH expects to fund 35,840 research project grants (RPGs) in FY 2016, 1,461 more RPGs than in FY 2015. NIH also expects to fund 16,196 full time training positions (FTTPs), an increase of 606 slots.

As you prepare your grant applications please remember that The RAS staff are available to assist with budgets and other nonscientific aspects of your application. Also, consider the School's external review program, which allows you to receive feedback (from an expert of your choice) prior to submission.

[External Review Request Form](#)

NIH Office of Disease Prevention to Create an Electronic Directory of Prevention Research Experts

The NIH Office of Disease Prevention (ODP) has launched an initiative to enhance the scientific rigor of NIH-funded research projects. ODP is seeking the assistance of the extramural research community in "developing a database of experts in research methods relevant to prevention research that can help Scientific Review Officers (SROs) identify reviewers for NIH grant applications." Interested faculty are asked to complete ODP's Prevention Research Expertise Survey. The survey results will service as the basis of an "electronic directory" of experts. The directory will aid SROs in identifying appropriate individuals to serve on review committees. The information provided by respondents will not be shared outside the federal government.

[Prevention Research Expertise Survey](#)

[NOT-OD-16-065](#)

Registration Now Open for the Spring and Fall 2016 NIH Regional Seminars

The NIH Regional Seminar offers a comprehensive program for the NIH extramural community about the NIH grants process and related policies, including such topics as Fundamentals of the NIH, compliance, peer review, grant writing for success, pre-award and post-award issues for administrators and investigators, animal and human subject research, and how to interact electronically with NIH.

The Spring Seminar will be held May 11th – 13th in Baltimore, Maryland. To register, visit

[NIH Regional Seminar, Baltimore](#)

The Fall Seminar will be held October 26th -28th in Chicago, Illinois. To register, visit [NIH Regional Seminar, Chicago](#)

[NOT-DA-16-013](#)

Notice of Information: NIDA offers Genotyping on Smokescreen® Genotyping Array to Substance Abuse Disorder Investigators

The National Institute on Drug Abuse is offering free genotyping for existing extracted DNA samples from people suffering from substance abuse disorders, who have consented for addiction/and or genetic studies. These data once cleaned will be submitted into dbGaP, where they will be stored for a 6 month period prior to public data release per the NIH Genomic Data Sharing Policy. During that time submitting investigators will have the chance to analyze their own data. Once the data are released to the public there are no other time restrictions or embargo periods. This Notice requests investigators who have relevant samples to submit a description of the number of samples, the phenotypes collected, and a description of the quality of the DNA samples. Please submit requests no later than **April 1, 2016**.

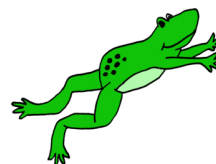
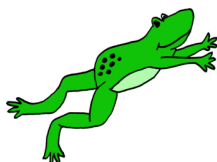
Notice of Intent to Publish the Following Funding Opportunity Announcements

[NOT-DA-16-011](#) Prescription Drug Abuse (R01)

Anticipated Due Date: 6/16

[NOT-DA-16-012](#) Accelerating the Pace of Drug Abuse Research Using Existing Data

Anticipated Due Date: 6/16



University at Buffalo Funding Opportunities

Institute on Research and Education in Energy, Environment and Water (RENEW) seeks to promote interdisciplinary research activities to position UB as a global leader in select areas of Energy, Environment and Water. Interdisciplinary research proposals based on innovative and transformational concepts are solicited to enable thriving working groups within the institute by providing glue funding to bring faculty together to engage in multidisciplinary work. The institute's overarching goal is to advance Energy, Water and Environmental Sustainability as a foundation for a Regenerative Economy. Standard seed grants will not exceed \$35,000 in direct costs and small seed grants will not exceed \$7,500 in direct costs.

Application Due Date: March 21, 2016, 5 p.m. via email to renew@buffalo.edu
<http://www.buffalo.edu/renew.html>

NIH Funding Opportunities: Requests for Applications (RFA)

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-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

Environmental Influences on Child Health Outcomes (ECHO)

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 publically 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

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

International Centers of Excellence for Malaria Research (ICEMR) – Limited Submission

This FOA solicits applications to participate in an ICEMR program that will provide a multidisciplinary research approach to malaria control and prevention through the integration of findings from clinical and field research. 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

June Due Dates

[RFA-MH-17-300 \(R01\)](#)

The Neural Mechanisms of Multi-Dimensional Emotional and Social Representation

This FOA encourages investigators to take on the challenge of investigating how diverse multi-dimensional emotional and/or social cues are represented across integrated and temporally dynamic brain circuits. This FOA solicits applications that incorporate innovative approaches designed to move affective and social neuroscience beyond single region-based, modular, and/or static models of brain function and behavior.

Application Due Date: June 3, 2016

[RFA-MH-17-305 \(R21\)](#)

The Neural Mechanisms of Multi-Dimensional Emotional and Social Representation

This FOA encourages grant applications that incorporate a multi-dimensional perspective into studies of the neural mechanisms underlying emotional and/or social representations. The ability to integrate a broad array of emotional and social cues is impaired in many mental disorders, yet the neural mechanisms underlying these processes are not well understood.

Application Due Date: June 3, 2016

[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

[RFA-AI-15-050 \(UM2\)](#)

Consortium for Food Allergy Research: Leadership Center – Limited Submission

The purpose of this FOA is to solicit applications for the Leadership Center for the NIAID Consortium for Food Allergy Research (CoFAR). The CoFAR Leadership Center (LC) will define the initial overall research strategy of the CoFAR including design and oversight of cutting-edge clinical trials and clinical studies to advance prevention and management strategies and to improve knowledge on the origins and the pathophysiology of IgE-mediated food allergy. To achieve its objectives, the CoFAR LC will work closely and collaborate with the CoFAR Clinical Research Units (CRUs), to select and implement all CoFAR clinical projects. The CoFAR CRUs will be responsible for execution of clinical trials and studies. *Only one application per Institution is allowed. If you are interested in applying, please contact Ken Tramosch at ovpr.limitedsubmission@research.buffalo.edu*

Application Due Date: June 30, 2016

[RFA-AI-15-051 \(UM1\)](#)

Consortium for Food Allergy Research (COFAR): Clinical Research Units – Limited Submission

This FOA solicits applications for the Clinical Research Units (CRUs) for the NIAID CoFAR. The CoFAR CRUs will propose multi-center cutting edge clinical trials in the areas of prevention and treatment of food allergy. The CoFAR CRUs will work closely and in collaboration with the CoFAR Leadership Center which will provide the scientific strategy and organizational structure of the CoFAR. *Only one application per Institution is allowed. If you are interested in applying, please contact Ken Tramposch at ovpr.limitedsubmission@research.buffalo.edu*

Application Due Date: June 30, 2016

Multiple Due Dates

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

Outstanding New Environmental Scientist (ONES) Award – Limited Submission

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 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 to implement effective and comprehensive suicide prevention strategies 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-16-024 \(R35\)](#)

NHLBI Outstanding Investigator Award (OIA)

The purpose of the OIA award is to promote scientific productivity and innovation by providing long-term support (up to seven years) and increased flexibility to experienced Program Directors (PDs)/Principal Investigators (PDs/PIs) who are currently PDs/PIs on at least two NHLBI R01-equivalent awards and whose outstanding record of research demonstrate their ability to make major contributions to heart, lung, blood and sleep (HLBS) research.

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

[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

[RFA-DC-17-002 \(R01\)](#)

Noise-Induced Synaptopathy in the Human Auditory System

This FOA seeks applications focused on determining if noise-induced cochlear synaptopathy occurs in humans. Studies may include, but are not limited to, diagnosis/detection and determination of functional consequences of such noise-induced damage. Animal studies could be responsive to this FOA, but the direct applicability to humans must be clearly delineated. Multi-disciplinary teams are encouraged to apply.

Application Due Dates: May 26, 2016; January 24, 2017

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

[PAR-16-095 \(R21\)](#)

Basic Biopsychosocial Mechanisms and Processes in the Management of Chronic Conditions

This FOA seeks to stimulate basic inquiry into the mechanisms that influence people within their larger social contexts to manage one or multiple conditions over the lifecourse. Long-term goals are to increase knowledge of the individual and group processes that inform thought and behaviors that reinforce health and optimal wellbeing to enhance overall human health, reduce illness and disability, and lengthen life.

Application Due Date: December 6, 2016

[PAR-16-098 \(U01\)](#)

Cooperative Research Agreements Related to the World Trade Center Health Program

The purpose of this announcement is to help address the Zadroga Act research mandate, and in consultation with the World Trade Center (WTC) Scientific/Technical Advisory Committee, NIOSH is soliciting applications for scientifically rigorous research to help answer critical questions about physical and mental health conditions related to the September 2001 terrorist attacks.

Application Due Dates: April 6, 2016; December 1, 2016; December 1, 2017; December 4, 2018; December 3, 2019

NIH Funding Opportunities: Program Announcements (PA)

[PA-16-091 \(R43/R44\)](#); [PA-16-092 \(R41/R42\)](#)

Small Business Alzheimer's Disease Research

Application Due Dates: April 5, 2016, followed by standard due dates

Expiration Date: April 6, 2019

“When it is obvious that the goals cannot be reached, don’t adjust the goals, adjust the action steps.”

Confucius (September 28, 551 –479 BC), a Chinese teacher, editor, politician, and philosopher)

Foundation Funding Opportunities

Robert Wood Johnson

Policies for Action: Policy and Law Research to Build a Culture of Health (P4A) is a new research program whose goal is to develop research that generates actionable evidence – the data and information that can guide legislators and other policymakers, public agencies, educators, advocates, community groups, and individuals. The research may examine established laws, regulations, and policies as well as potential new policies and approaches. Each grant will award up to \$250,000 for a maximum funding period of 24 months.

Application Due Date: Required Letter of Intent March 15, 2016
Invited Proposal June 17, 2016

<https://anr.rwjf.org/viewCfp.do?cfpld=1285&cfpOverviewId>

Bill & Melinda Gates Foundation

Grand Challenges Explorations Round 17 is now accepting grant proposals on the following topics:

- Assess Family Planning Needs, Preferences, and Behaviors to Inform Innovations in Contraceptive Technologies and Services
- Develop Novel Platforms to Accelerate Contraceptive Drug Discovery
- Design New Analytics Approaches for Malaria Elimination
- Accelerate Development of New Therapies for Childhood Cryptosporidium Infection
- Novel Approaches to Characterizing and Tracking the Global Burden of Antimicrobial Resistance
- Explore New Solutions in Global Health Priority Areas

Initial grants will be awarded \$100,000 and successful projects will have the opportunity to receive a follow-on grant of up to \$1 million.

Application Due Date: May 11, 2016

[Grand Challenges Explorations Round 17](#)