

# SPHHP Research Activities Newsletter

University at Buffalo

June/July 2016

## In the News

### Congratulations to the Following Awardees:



**R. Lorraine Collins**, Professor of Community Health and Health Behavior and Associate Dean for Research for SPHHP, is Co-Investigator on a new award from the National Institute on Alcohol Abuse and Alcoholism/NIH with PI Maria Testa (UB's Research Institute on Addictions) for the project entitled *Alcohol, Self-Control, and Intimate Partner Aggression*. The study will examine the temporal effects of within-day fluctuations in self-control, in combination with alcohol use, on partner aggression within couples' daily lives.



**Gregory Homish**, Associate Professor of Community Health and Health Behavior, is PI on a continuation award from the Veterans Administration Western New York Healthcare Systems for the project entitled *A Randomized Cross-Over Trial of Two Treatments for Obstructive Sleep Apnea in Veterans with Post Traumatic Stress Disorder*. Dr. Homish will continue to assist in the trial design to ensure appropriate therapy is assigned to participants and is responsible for the data management and statistical analyses, as well as assisting in dissemination activities.

Dr. Homish is also PI on a new award from the National Institute on Drug Abuse/NIH for the project entitled *Supplement to Substance Use in Reservists: Social and Environmental Influences*. The supplement will provide funding for a summer intern through the 2016 NIDA Summer Research Internship Program. Through the Program, students from populations underrepresented in the sciences are introduced to the field of substance abuse and addiction research by participating in research projects with NIDA's distinguished scientists at universities across the United States.



**Marianthi Markatou**, Professor of Biostatistics, is Co-Investigator on a new award from Patient-Centered Outcomes Research Institute with PI Andrew Talal (Medicine) for the project entitled *Patient-Centered HCV Care via Telemedicine for Individuals on Opiate Substitution Therapy: A Stepped Wedge Cluster Randomized Controlled Trial*. The primary aim of this project is to compare HCV treatment through telemedicine in a methadone clinic with usual care, which is referral to a liver specialist offsite. Telemedicine, two-way live videoconferencing between a physician and a patient in separate geographic locations, will allow the integration of substance abuse treatment with HCV treatment to treat drug users with HCV within the familiar environment of a methadone clinic.



**Arthur Michalek**, Research Professor of Epidemiology and Environmental Health (EEH), is PI on a continuation award from the P2 Collaborative of WNY/NYS Dept. of Health for the project entitled *Population Health Improvement Program*. Dr. Michalek will represent EEH's Division of Health Services Policy & Practices and serve on the Advisory Team to help design, measure, and demonstrate population health improvement in support of the goals and objectives identified in the Population Health Improvement Program. **Jerome Yates**, Clinical Professor of EEH, is Co-Investigator.

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**Jeffrey Miecznikowski**, Associate Professor of Biostatistics, is PI on a continuation award from Health Research Inc. (Roswell Park Cancer Institute) for the project entitled *NRG Oncology Statistical and Data Management Center*. **David Tritchler**, Research Professor of Biostatistics, is Co-Investigator. They will continue to provide statistical design and analytical support, as well as statistical genomics support for the Center.



**Lina Mu**, Associate Professor of Epidemiology & Environmental Health, is PI on a new award from the National Institute of Environmental Sciences/NIH for the project entitled *Metabolomics Profiling of Biological Responses to Changes in Air Pollution Levels*. Using biological specimens collected during the Beijing Olympics Air Pollution Study, this project will evaluate metabolic changes in response to air pollution exposure and provide insight on potential mechanisms through which air pollution may increase the risk of various diseases. **Rachel Hageman Blair**, Assistant Professor of Biostatistics, and **Matthew Bonner**, Associate Professor of Epidemiology and Environmental Health, are Co-Investigators.



**Christine Oddo**, Research Assistant Professor, Center for Assistive Technology, is PI on a continuation award from the New York State Office of Child and Family Services for the project entitled *Equipment Loan Closet*. The program will continue to loan adaptive equipment to legally blind persons for educational and work purposes.



**Xuefeng Ren**, Assistant Professor of Epidemiology and Environmental Health, is PI on a continuation award from the National Institute of Environmental Health Sciences/NIH for the project entitled *Mechanisms and Outcomes of MMAsIII Induced Alterations in Histone Acetylation*. The project will continue to examine the molecular mechanisms of arsenic carcinogenesis to facilitate the development of novel strategies to prevent, diagnose, or treat arsenic associated diseases, including cancer. **Dan Gaile**, Assistant Professor of Biostatistics, is a Co-Investigator.



**John Violanti**, Research Professor of Epidemiology and Environmental Health (EEH) is PI on a continuation award from the National Institute of Occupational Safety and Health/CDC for the project entitled *Stressors and Cardio Metabolic Disease in Police: A 12-Year Longitudinal Study*. The study will continue to examine the impact of occupational stressors on early signs of cardiovascular and metabolic disease in police officers in order to further knowledge on this topic and enhance prevention efforts in the field. **Jean Wactawski-Wende**, Dean of SPHP and SUNY Distinguished Professor of EEH, and **Carl Li**, Research Assistant Professor of EEH, are Co-Investigators.

## Grant Clinic

### New NIH PHS Assignment Request Form

Effective for applications due on or after May 25, 2016, NIH receipt and referral staff will no longer look for assignment requests in the Cover Letter. If you would like to request a specific IC or Study Section to review your application, please include the PHS Assignment Request Form which is embedded in the NIH application package. The Form is optional – if you do not have any assignment requests, the form should not be included with your application. The Cover Letter should still be used for any narrative information you want to relay, such as: reason for late application; explanation of why a subaward is not active in all periods of the proposed project; statements regarding agency approval documents (e.g., requests over \$500,000); intent to submit a video as part of the application; or indication that the proposed study will generate large-scale human or non-human genomic data.

### Extension of NIH Expiration Dates

NIH has extended the expiration date until May 8, 2019 for the following funding opportunities:

[PA-16-190](#) – Mentored Research Scientist Development Award (Parent K01)

[PA-16-191](#) – Mentored Clinical Scientist Research Career Development Award (Parent K08)

[PA-16-192](#) – Independent Scientist Award (Parent K02)

[PA-16-193](#) – NIH Pathway to Independence Award (Parent K99/R00)

[PA-16-194](#) – Mentored Quantitative Research Development Award (Parent K25)

[PA-16-198](#) – Mentored Patient-Orientated Research Career Development Award (parent K23)

[PA-16-206](#) – Midcareer Investigator Award in Patient-Orientated Research (Parent K24)

## Reissuance of Parent Funding Opportunity Announcements

NIH has reissued the following parent FOAs:

[PA-16-310](#) – Ruth L. Kirschstein National Research Service Award Individual Senior Fellowship (F33)

[PA-16-294](#) – NIH Support for Conferences and Scientific Meetings (R13)

[PA-16-302](#) – Omnibus Solicitation of the NIH, CDC, FDA, and ACF for Small Business Innovation Research Grants Applications (R34/R44)

[PA-16-303](#) – Omnibus Solicitation of the NIH for Small Business Technology Grant Applications (R41/R42)

For Predoctoral and Postdoctoral Students:

[PA-16-305](#) - Ruth L. Kirschstein National Research Service Award (NRSA) Fellowship for Students at Institutions With NIH-Funded Institutional Predoctoral Dual-Degree Training Programs (F30)

[PA-16-306](#) - Ruth L. Kirschstein National Research Service Award (NRSA) Fellowship for Students at Institutions Without NIH-Funded Institutional Predoctoral Dual-Degree Training Programs (F30)

[PA-16-309](#) - Ruth L. Kirschstein National Research Service Award Individual Predoctoral Fellowship (F31)

[PA-16-308](#) - Ruth L. Kirschstein National Research Service Award Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (F31 – Diversity)

[PA-16-307](#) - Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (F32)

## Reissuance of Administrative Supplements

NIH has reissued the following administrative supplements. Due dates vary by awarding IC. Please see [Table of IC-Specific Information](#).

[PA-16-287](#) – Administrative Supplements to Existing NIH Grants and Cooperative Agreements

[PA-16-288](#) – Research Supplements to Promote Diversity in Health-Related Research

[PA-16-289](#) – Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers

## NIH Funding Opportunities: **Limited Submissions**

UB prior approval is required for the following funding opportunities. If you are interested in applying to any of the **limited submissions** listed below, please contact Ken Tramosch at [ovpr.limitedsubmission@research.buffalo.edu](mailto:ovpr.limitedsubmission@research.buffalo.edu)

### [RFA-DK-16-020 \(P30\)](#)

#### **Diabetes Research Centers**

This FOA invites applications for Diabetes Research Centers that are designed to support and enhance the national research effort in diabetes, its complications, and related endocrine and metabolic diseases. Diabetes Research Centers support three primary research-related activities: Research Core services, a Pilot and Feasibility program, and an Enrichment program. *Only one application per institution is allowed.*

**Application Due Dates:** August 10, 2016, February 28, 2017

### [RFA-TW-16-002 \(D43\)](#)

#### **Fogarty Global Health Training Program**

This FOA provides opportunities for up to five consortia (each composed of up to four U.S. universities and their collaborating partners in low and middle income countries [LMICs]) to develop and support global health research training programs. The purpose of this program is to foster the next generation of global health scientists in the U.S. and in LMICs by giving scientists, early in their careers, a mentored research training experience in global health at established biomedical and behavioral research sites in LMICs. In addition, it seeks to enhance research capacity at the foreign research sites by providing financial support and training for young researchers at those institutions.

*Only one application per institution is allowed.*

**Application Due Date:** August 16, 2016

### [RFA-DK-16-006 \(P30\)](#)

#### **Nutrition Obesity Research Centers (NORCs)**

The objective of the NORC program is to bring together basic science, clinical, and translational investigators from relevant disciplines to enhance and extend the effectiveness of research related to nutritional sciences and/or obesity. NORCs support three primary research-related activities: Research Core services, a Pilot and Feasibility program, and an Enrichment program. *Only one application per institution is allowed.*

**Application Due Date:** November 23, 2016

[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](mailto:rcollins@buffalo.edu).

**Application Due Dates:** February 28, 2017; February 27, 2018

## NIH Funding Opportunities: Requests for Applications (RFA)

[RFA-ES-16-002 \(K01\)](#)

**BD2K Mentored Career Development Award in Biomedical Big Data Science for Clinicians and Doctorally Prepared Scientists**

This BD2K FOA solicits applications for a mentored career development award in the area of Big Data Science. The aim of the initiative is to support additional training of scientists who will gain the knowledge and skills necessary to be independent researchers as well as to work in a team environment to develop new Big Data technologies, methods, and tools applicable to basic and clinical research. The award is intended for research-oriented investigators at any level of experience, from the postdoctorates to mid-career and senior level faculty, who have shown clear evidence of productivity and research excellence in the field of their training, and who would like to expand their research capability with a mentored career development experience, with the goal of making significant contributions to develop technology, tools and methods for research in Big Data Science.

**Application Due Date:** August 1, 2016

[RFA-HG-16-016 \(R25\)](#)

**BD2K Open Educational Resources for Skills Development in Biomedical Big Data Science**

The over-arching goal of this program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish this goal, this FOA will support creative educational activities with a primary focus on **Courses for Skills Development** for biomedical researchers who need the requisite knowledge and skills to extract knowledge from biomedical Big Data. To extend the reach of the course, each educational activity is required to develop open educational resources (OERs) that adhere to FAIR (findable, accessible, interoperable, and reusable) principles. Ideally, OERs should be useful to individuals at all career levels, from predoctoral students to established investigators.

**Application Due Dates:** August 2, 2016; August 2, 2017

[RFA-DK-16-021 \(R25\)](#)

**NIDDK Short-Term Research Experience Program for Underrepresented Persons (STEP-UP)**

NIDDK's STEP-UP program provides funding to research institutions to provide for a national summer research experience program for both high school and undergraduate students for eight to ten weeks. STEP-UP seeks to facilitate exposure opportunities for students from diverse backgrounds underrepresented in biomedical research on a national basis, including individuals from disadvantaged backgrounds, individuals from underrepresented racial and ethnic groups and individuals with disabilities. This FOA will support creative educational activities with a primary focus on research experiences and mentoring activities.

**Application Due Date:** August 9, 2016

[RFA-DA-17-016 \(R41\); RFA-DA-17-017 \(R43/R44\)](#)

**Laboratory and Diagnostic Tools to Advance Microbiome-Brain Research**

NIDA and NCCIH aim to support the development of novel analytical tools, technologies and research resources to study the microbiome, including its composition, genetics, and bioactivity. Please see the FOAs for the specific scope of each institute.

**Application Due Date:** August 17, 2016

[RFA-HD-17-010 \(U24\)](#)

**Global Network for Women's and Children's Health Research Data Coordinating Center**

This FOA invites grant applications from institutions/organizations willing to participate with the NICHD as the Data Coordinating Center under a cooperative agreement in an ongoing multi-center international research network designed to perform randomized clinical trials, using common protocols, to reduce the major risk of maternal, neonatal, infant, and early childhood mortality and significant morbidity in low income countries.

**Application Due Date:** August 30, 2016

[RFA-NS-16-024 \(R34\)](#)

**Planning Grant for NINDS Morris K. Udall Parkinson's Disease Research Center Without Walls**

This FOA solicits Planning Grant applications to convene new transdisciplinary research consortia and formalize the multi-institutional organizational structure necessary to resolve an essential challenge in Parkinson's disease (PD). The most compelling applications will: (i) identify and justify a fundamental PD research priority; (ii) build an exemplary collaborative team; and (iii) demonstrate exceptional potential to pursue a targeted, thematically integrated strategy to remove a critical impediment blocking advancement of the understanding and treatment of PD.

**Application Due Date:** August 30, 2016

**September Due Dates**

[RFA-RM-16-005 \(DP1\)](#)

**NIH Pioneer Award Program**

The NIH Director's Pioneer Award initiative complements NIH's traditional, investigator-initiated grant programs by supporting individual scientists of exceptional creativity who propose pioneering and possibly transforming approaches to addressing major biomedical or behavioral challenges that have the potential to produce an unusually high impact on enhancing health, lengthening life, and reducing illness and disability. To be considered pioneering, the proposed research must reflect substantially different scientific directions from those already being pursued in the investigator's research program or elsewhere.

**Application Due Date:** September 2, 2016

[RFA-RM-16-004 \(DP2\)](#)

**NIH Director's New Innovative Award Program**

The NIH Director's New Innovator (DP2) Award initiative supports a small number of early stage investigators of exceptional creativity who propose bold and highly innovative new research approaches that have the potential to produce a major impact on broad, important problems in biomedical and behavioral research. The NIH Director's New Innovator Award initiative is a component of the [High Risk - High Reward Research Program](#) of the [NIH Common Fund](#).

**Application Due Date:** September 9, 2016

**October Due Dates**

[RFA-AG-17-004 \(R01\)](#)

**Systems Biology of Aging**

This FOA encourages research projects with the potential to develop networks of aging using lifespan as the observable phenotype. In addition to constructing aging networks, two further important goals of this FOA are: 1. Determining what properties of an aging network change across the lifespan; 2. Using aging networks to generate and test hypotheses about fundamental questions in the biology of aging that are more likely to be answered using systems biology than by single-gene approaches. Applications must include a contact PD/PI who is an expert in systems biology and other PD/PI(s) should have expertise in the biology of aging and/or necessary high-throughput technologies using the laboratory organism for study (*S. cerevisiae* or *C. elegans*, only).

**Application Due Date:** October 7, 2016

[RFA-RM-16-007 \(R01\)](#)

**NIH Director's Transformative Research Awards**

The NIH Director's Transformative Research Awards complement NIH's traditional, investigator-initiated grant programs by supporting individual scientists or groups of scientists proposing groundbreaking, exceptionally innovative, original and/or unconventional research with the potential to create new scientific paradigms, establish entirely new and improved clinical approaches, or develop transformative technologies. Little or no preliminary data are expected. Projects must clearly demonstrate the potential to produce a major impact in a broad area of biomedical or behavioral research.

**Application Due Date:** October 7, 2016



[RFA-CA-16-010 \(R01\)](#); [RFA-CA-16-011 \(U01\)](#); [RFA-CA-16-012 \(P50\)](#); [RFA-CA-16-013 \(P01\)](#)

**Revision Applications to Awards for Research on the NCI's Provocative Questions**

These FOAs invite revision applications from investigators with active NIH research grants (R01; U01; P50; P01). These revision applications are expected to focus on research related to one of the 12 of the NCI's Provocative Questions (PQs) published for new applications in [RFA-CA-15-008](#) and [RFA-CA-15-009](#). This FOA encourages research that directly addresses PQs, including research that helps validate PQ research outcomes or adopt and disseminate PQ research results that impact cancer research and clinical care. Studies proposed in the revision applications must correspond to additional specific aims, expanding the scope of individual, already funded projects of the parent award.

**Application Due Dates:** October 28, 2016

**November Due Dates**

[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:** November 2, 2016

**December Due Dates**

[RFA-AA-17-001 \(P50\)](#) – **Specialized Alcohol Research Centers**

[RFA-AA-17-002 \(P60\)](#) – **Comprehensive Alcohol Research Centers**

The overall purpose of the NIAAA Alcohol Research Center program is to provide leadership in conducting and fostering interdisciplinary, collaborative research on a wide variety of topics relevant to the Institute's mission. These topics include, but are not limited to: the nature, etiology, genetics, diagnosis, treatment, and prevention of alcohol use disorders and their biomedical, psychosocial, and economic consequences across the lifespan. Centers also are regional or national resources that contribute to the development of new research methods, technologies and approaches that sustain innovative goal-directed research.

**Application Due Date:** December 5, 2016

[RFA-AI-16-031 \(UG3/UH3\)](#)

**Limited Interaction Targeted Epidemiology to Advance HIV Prevention**

This FOA solicits applications to use innovative technology to conduct epidemiologic studies of large cohorts of U.S. populations at high risk of HIV infection: men who have sex with men (MSM), transgender women, and black/African American women. The UG3/UH3 Phased Innovation Awards Cooperative Agreement involves 2 phases. Funding for a UG3 phase will be used to enroll and follow sufficient numbers of high-risk HIV-negative participants to reach seroconversion milestone targets.

**Application Due Date:** December 5, 2016

**January 2017 Due Dates**

[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:** January 24, 2017

**Multiple Due Dates**

[RFA-ES-16-005](#)

**Mechanism for Time-Sensitive Research Opportunities in Environmental Health Sciences**

This FOA is intended to support environmental health research in which an unpredictable event provides a limited window of opportunity to collect human biological samples or environmental exposure data. The primary motivation is to understand the consequences of natural and man-made disasters or emerging environmental public health threats in the U.S. and abroad. A distinguishing feature of an appropriate study is a shortened timeframe from submission to

award, achieved by more frequent application due dates and expediting peer review, council concurrence and award issuance. The entire cycle is expected to be within 3-4 months.

**Application Due Dates:** Multiple due dates, please see FOA

[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. The NHLBI OIA is intended to support a research program, rather than a research project, by providing the primary and most likely sole source of NHLBI funding on individual grant awards.

**Application Due Dates:** 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:** February 15, 2017; February 15, 2018

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

[PAR-16-297 \(S06\)](#)

**Native American Research Centers for Health (NARCH)**

The NARCH program supports opportunities for conducting research and career enhancement to meet the health needs of American Indian/Alaska Native (AI/AN) communities and the scientists conducting research on the health needs of these communities. This FOA is issued by the National Institute of General Medical Sciences in conjunction with the other Institutes/Centers of the National Institutes of Health (NIH) and the Indian Health Service (IHS).

**Application Due Dates:** July 27, 2016; June 24, 2017

[PAR-16-292 \(R21\)](#)

**Mobile Health: Technology and Outcomes in Low and Middle Income Countries**

This FOA encouraged exploratory/developmental research applications that propose to conduct research to develop or adapt innovative mobile health (mHealth) technology specifically suited for low and middle income countries (LMICs) and determine the health-related outcomes associated with implementation of the technology. The overall goal is to contribute to the evidence base for the use of mobile technology to improve clinical outcomes and public health while building research capacity in LMICs and establishing research networks in this area. Applicants are required to propose partnerships between at least one U.S. institution and one LMIC institution and the proposed research plan should strengthen the mHealth research capabilities at the LMIC institution.

**Application Due Dates:** August 31, 2016; August 31, 2017; August 31, 2018

[PAR-16-271 \(U44\)](#)

**NIAID SBIR Phase II Clinical Trial Implementation Cooperative Agreement**

This FOA invites grant applications from small business concerns that propose to implement investigator-initiated clinical trials related to the research mission of the NIAID. Although clinical trials not considered high-risk may be proposed, this program encourages high-risk clinical studies. High-risk does not imply human subject or patient risk, but rather defines a study that contains one or more of the following unique features: involves non-routine interventions, administration of an unlicensed product, or administration of a licensed product for an unapproved indication. Mechanistic studies are also encouraged and can be proposed under this program.

**Application Due Dates:** September 13, 2016; January 13, 2017; May 12, 2017; September 13, 2017  
January 12, 2018; May 14, 2018; September 13, 2018; January 14, 2019; May 13, 2019

[PAR-16-272 \(R34\)](#)

**NIAID Clinical Trial Planning Grant**

This FOA encourages applications that propose the complete planning, design, and preparation of the documentation necessary for implementation of investigator-initiated clinical trials. The trials should be hypothesis-driven, milestone-defined, related to the research mission of the NIAID and considered high priority by the Institute.

**Application Due Dates:** September 13, 2016; January 13, 2017; May 12, 2017; September 13, 2017  
January 12, 2018; May 14, 2018; September 13, 2018; January 14, 2019; May 13, 2019

[PAR-16-253 \(UH2\)](#)

**Informatics Methodology and Secondary Analyses to Explore Shared Immunology Study Data in ImmPort**

The goals of this FOA are to support the development of new or improved informatics tools and methods for the reuse of shared data in the immunology study repository, ImmPort; and to support secondary analyses of existing immunology datasets to address basic and clinical immunology questions.

**Application Due Dates:** October 4, 2016; October 4, 2017; October 4, 2018

[PAR-16-257 \(R21\)](#)

**Predicting Behavioral Responses to Population-Level Cancer Control Strategies**

The goal of this FOA is to facilitate research to identify individual influences on the effectiveness of population-level strategies that target cancer-related behaviors. We seek to encourage collaborations among scientists with expertise in health policy research and implementation, as well as investigators in scientific disciplines that have not traditionally conducted cancer or policy research, such as: psychological science (e.g., social, developmental); affective and cognitive neuroscience; judgment and decision-making; consumer behavior and marketing; organizational behavior; sociology, cultural anthropology; behavioral economics; linguistics; and political science.

**Application Due Dates:** October 7, 2016; April 11, 2017; October 10, 2017; April 11, 2018; October 10, 2018;  
April 11, 2019

[PAR-16-260 \(R01\)](#)

**Building Evidence: Effective Palliative/End of Life Care Interventions**

This FOA seeks to stimulate research that tests optimal end-of-life and palliative care (EOLPC) interventions/models of care that are based on individual- and family-centered outcomes. The testing of EOLPC interventions and models of care are urgently needed that address racial, ethnic and/or cultural diversity in children and adults for those with serious, advanced illness. Trials are needed to test efficacy and effectiveness of these interventions and/or models of care.

**Application Due Dates:** October 10, 2016; June 9, 2017; October 9, 2017; June 11, 2018; October 8, 2018;  
June 10, 2019

[PAR-16-249 \(R01\); PAR-16-248 \(R21\)](#)

**Innovative Approaches to Studying Cancer Communication in the New Media Environment**

This FOA invites applications that seek to apply one or more innovative methodologies in communication research across the cancer control continuum, from prevention, early detection, diagnosis, treatment, and survivorship, to end of life. Applications should utilize one or more of the following analytic approaches, methods, and data sources, including but not limited to social media data mining, Natural Language Processing (NLP) techniques, online social network analysis, crowdsourcing research tools (e.g., mTurk), online search data, Ecological Momentary Assessment, neuroscience and biobehavioral approaches to communication, and geographic information systems. Studies should assess outcomes related to cancer prevention and control.

**Application Due Dates:** October 11, 2016; June 13, 2017; October 11, 2017; June 13, 2018; October 11, 2018,  
June 13, 2019

[PAR-16-300 \(Collaborative UG3/UH3\)](#) – Clinical Coordinating Center (CCC)

[PAR-16-301 \(Collaborative U24\)](#) – Data Coordinating Center (DCC)

**Centers for Multi-Site Investigator-Initiated Clinical Trials**

These FOAs support applications for collaborating Centers for investigator-initiated multi-site clinical trials (Phase II and beyond). Trials for which this FOA applies must be relevant to the research mission of the NHLBI and meet the definition of an NIH clinical trial. The DCC application must be specific for the clinical trial being proposed in the collaborating Clinical Coordinating Center (CCC). The objective of the DCC application is to present a comprehensive plan to provide overall project coordination, administration, data management, and biostatistical support for the proposed clinical trial.

**Application Due Dates:** October 11, 2016; February 13, 2017; June 13, 2017; October 11, 2017;  
February 13, 2018; June 13, 2018; October 11, 2018; February 13, 2019; June 13, 2019



[PAR-16-245 \(R01\)](#); [PAR-16-246 \(R21\)](#)

**Neural Regulation of Cancer**

This FOA encourages collaborative, transdisciplinary research with both neuroscience and cancer elements, which together will advance current understanding of the nervous system contribution to cancer. Leveraging the knowledge, tools, experimental models and reagents in neuroscience research to uncover novel mechanisms used by the nervous system to promote tumor initiation, progression and metastasis can ultimately inform key areas of cancer research including the prevention and treatment of non-central nervous system tumors.

**Application Due Dates:** October 26, 2016; February 22, 2017; June 27, 2017; October 26, 2017;  
February 22, 2018; June 27, 2018; October 25, 2018; February 22, 2019; June 27, 2019

[PAR-16-304 \(R01\)](#)

**Ancillary Studies to Identify Behavioral and/or Psychological Phenotypes Contributing to Obesity**

The purpose of this FOA is to encourage grant applications to support the addition of measures of psychological and/or behavioral constructs or weight-related variables (e.g.; BMI, body composition) to existing or new research studies in humans with the goal of elucidating behavioral or psychological phenotypes that explain individual variability in weight trajectory or response to obesity prevention or treatment interventions. The intent is to support the addition of new measurement in domains other than those covered in the parent grant as a means of elucidating the behavioral and psychological factors that may explain individual differences in weight status.

**Application Due Dates:** October 28, 2016; February 28, 2017; June 28, 2017; February 28, 2018; June 28, 2018;  
February 28, 2019

[PAR-16-262 \(R01\)](#)

**Sustained Release of Antivirals for Treatment or Prevention of HIV**

Applications are encouraged that address the long term goal and objective of developing sustained release strategies for HIV treatment or prevention. Applications may propose treatment or prevention products delivered using sustained release platforms (oral, injection, implant or direct delivery to HIV target mucosa) that will provide a minimum of 1 week for oral (treatment) or a minimum of once a month for all other drug delivery systems for prevention and treatment protection/efficacy.

**Application Due Dates:** January 4, 2017; January 4, 2018; January 4, 2019

[PAR-16-256 \(R01\)](#); [PAR-16-255 \(R21\)](#)

**Cancer-Related Behavioral Research through Integrating Existing Data**

This FOA invites applications that seek to integrate two or more independent data sets to answer novel cancer control and prevention questions. Applications are encouraged that incorporate Integrative Data Analysis (IDA) methods to study behavioral risk factors for cancer, including tobacco use, sedentary behavior, poor weight management, and lack of medical adherence to screening and vaccine uptake. It is important that the data being integrated are from different sources and types (including both quantitative and qualitative; data may span different levels such as genetic and environmental) and should include at least one source of behavioral data. Importantly, applicants should use existing data sources rather than collect new data.

**Application Due Dates:**

R01 - February 7, 2017; June 7, 2017; February 7, 2018; June 7 2018; February 7, 2019; June 7, 2019

R21 - February 15, 2017; June 15, 2017; February 15, 2018; June 15 2018; February 15, 2019; June 14, 2019

[PAR-16-234 \(R01\)](#)

**Accelerating the Pace of Drug Abuse Research Using Existing Data**

The purpose of this FOA is to invite applications proposing the innovative analysis of existing social science, behavioral, administrative, and neuroimaging data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, prescription and other drug) and related disorders, prevention of drug use and HIV, and health service utilization.

**Application Due Dates:** Standard dates apply

[PAR-16-238 \(R01\)](#); [PAR-16-236 \(R21\)](#); [PAR-16-237 \(R03\)](#)

**Dissemination and Implementation Research in Health**

This FOA encourages grant applications that will identify, develop, test, evaluate and/or refine strategies to disseminate and implement evidence-based practices (e.g. behavioral interventions; prevention, early detection, diagnostic, treatment and disease management interventions; quality improvement programs) into public health, clinical practice, and community settings. In addition, studies to advance dissemination and implementation research methods and measures are encouraged.

**Application Due Dates:** Standard dates apply

[PAR-16-260 \(R01\); PAR-16-261 \(R21\)](#)

**Methodology and Measurement in the Behavioral and Social Sciences**

This FOA invites applications aimed at improving and developing methodology in the behavioral and social sciences through innovations in research design, measurement, data collection and data analysis techniques. The participating NIH Institutes and Centers (ICs) encourage research that will improve the quality and scientific power of behavioral and social science data relevant to the IC missions. Applicants are strongly encouraged to contact the Scientific/ Research Contact of the IC that most closely matches their research focus to determine IC interest in the proposed research topic.

**Application Due Dates:** Standard dates apply

[PAR-16-298 \(R34\); PAR-16-299 \(R01\)](#)

**Detecting and Preventing Suicide Behavior, Ideation and Self-Harm in Youth in Contact with the Juvenile Justice System**

These FOAs invite intervention strategies that are designed to be delivered in typical service settings using typically available personnel and resources, to enhance the implementation of interventions that prove effective, enhance their future uptake in diverse settings, and thereby reduce risk of suicide and self-harm in this population. The R34 mechanism provides resources for evaluating the feasibility, tolerability, acceptability and safety of novel approaches to improving outcomes, modifying health risk behavior, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale (efficacy or effectiveness) services study.

**Application Due Dates:** Standard dates apply

[PAR-16-293 \(K22\)](#)

**The NCI Transition Career Development Award**

This FOA represents the continuation of an NCI program to facilitate the transition of investigators in mentored, non-independent cancer research positions to independent faculty cancer research positions. This goal is achieved by providing protected time through salary and research support for the initial 3 years of the first independent tenure-track faculty position, or its equivalent, beginning at the time when the candidate starts a tenure-track faculty position.

**Application Due Dates:** Standard dates apply

[PAR-16-291 \(R21/R33\)](#)

**Integrative Research on Polysubstance Abuse and Addiction**

The intent of this FOA is two-fold: (1) characterize how the neurobiological alterations, associated behaviors, and public health consequences arising from polysubstance use differ from, or are similar to, those observed in single drug use; (2) promote integrative polysubstance research along a translational pipeline, consisting of basic science research in animals, human-based laboratory investigations, and epidemiological studies.

**Application Due Dates:** Standard dates apply

[PAR-16-284 \(K07\)](#)

**Cancer Prevention, Control, Behavioral Science, and Population Sciences Career Development Award**

The purpose of this Award is to support the career development of junior investigators with research or health professional doctoral degrees who want to become cancer-focused academic researchers in cancer prevention, cancer control, or the behavioral or population sciences.

**Application Due Dates:** Standard dates apply

[PAR-16-278 \(R21\)](#)

**Stimulating Innovations in Behavioral Intervention Research for Cancer Prevention and Control**

The purpose of this FOA is to provide support for the development of innovative interventions that improve cancer-related health behaviors across diverse racial/ethnic populations. Specifically, this FOA is intended to stimulate research aimed at 1) testing new theories and conceptual frameworks; 2) developing and evaluating novel strategies to improve cancer-related health behaviors; 3) investigating multi-level and multi-behavioral approaches; and 4) utilizing innovative research designs, methodologies, and technologies. The cancer-related health behaviors to be targeted are diet, obesity, physical activity and sedentary behavior, smoking, sleep and circadian dysfunction, alcohol use, and/or adherence to cancer-related medical regimens.

**Application Due Dates:** Standard dates apply

## NIH Funding Opportunities: Program Announcements (PA)

[PA-16-233 \(R01\)](#); [PA-16-232 \(R21\)](#)

### Prescription Drug Abuse

Application Due Dates: Standard dates apply

**Expiration Date:** May 8, 2019

[PA-16-239 \(R01\)](#); [PA-16-240 \(R21\)](#)

### Mechanisms Mediating Osteoarthritis in Aging

Application Due Dates: Standard dates apply

**Expiration Date:** September 8, 2019

[PA-16-263 \(R01\)](#); [PA-16-273 \(R21\)](#)

### Environmental Exposures and Health: Exploration of Non-Traditional Setters

Application Due Dates: Standard dates apply

**Expiration Date:** September 8, 2019

[PA-16-282 \(R18\)](#)

### Developing New Clinical Decision Support to Disseminate and Implement Patient-Centered Outcomes Research Findings

Application Due Dates: Standard dates apply

**Expiration Date:** January 26, 2017

[PA-16-283 \(R18\)](#)

### Scaling Established Clinical Decision Support to Facilitate the Dissemination and Implementation of Patient-Centered Outcomes Research Findings

Application Due Dates: Standard dates apply

**Expiration Date:** January 26, 2018

## Foundation Funding Opportunities

### MacArthur Foundation

*100&Change* is a new competition that will award a \$100 million grant to a single proposal designed to help solve a critical problem affecting people, places, or the planet. The Foundation's competition, called *100&Change*, is open to organizations working in any field of endeavor anywhere. Applicants must identify both the problem they are trying to solve, as well as their proposed solution. Competitive proposals will be meaningful, verifiable, durable, and feasible. Each valid proposal will be reviewed by a panel of expert judges from a variety of fields, and evaluated according to a strict set of criteria designed to favor proposals that maximize measurable impact in their chosen areas. Information about the judges and their evaluation methodology will be shared publicly via the competition website. To participate, applicants must first register on the website by September 2, 2016.

**Application Due Date:** October 3<sup>rd</sup>

[100andchange.org](http://100andchange.org)

## External Awards Received Between 01/01/2016 and 06/30/2016

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 01/01/2016 and 06/30/2016.

PI	Department	Title	Sponsor
Randolph Carter	Biostatistics	1) Death Certificate and Disease Registry Data for Epidemiological Description of Leukodystrophy Diseases	Hunter's Hope Foundation
		2) Enhancement of the Newborn Screening Diagnostic Paradigm to Improve the Efficacy of Cord Blood Transplant for Krabbe Disease (KD)	Eunice Shriver National Inst. of Child Health & Human Development

<b>PI</b>	<b>Department</b>	<b>Title</b>	<b>Sponsor</b>
Jeff Miecznikowski	Biostatistics	NRG Oncology Statistical and Data Management Center	Health Research Inc. (Roswell Park C.I.)
Lili Tian	Biostatistics	Gender Disparity in Bladder Cancer and Chemo-preventive Intervention	Health Research Inc. (Roswell Park C.I.)
David Tritchler	Biostatistics	Flaxseed Effects on Hormones and Lignans: Role of Race, Genes and Gut Microbiome	Health Research Inc. (Roswell Park C.I.)
Gregory Wilding	Biostatistics	1) PDT Mechanisms and Strategies for Optimization: Core C	Health Research Inc. (Roswell Park C.I.)
		2) Integrated Image-Guided Dosimetry and Treatment Planning for Interstitial Photodynamic Therapy in Patients with Locally Advanced Head and Neck Cancer	Health Research Inc. (Roswell Park C.I.)
Jiwei Zhao	Biostatistics	NRG Oncology NCORP Research Base – SDMC	Health Research Inc. (Roswell Park C.I.)
Christine Oddo	Center for Assistive Technology	1) Core Rehabilitation Services	NYS Education Dept.
		2) Buffalo Assistive Technology Center	NYS Office of Children & Family Services
		3) Equipment Loan Closet	NYS Office of Children & Family Services
Gary Giovino	Community Health & Health Behavior	Monitoring Non-Communicable Disease (NCD) Risk Factors Using Mobile Telephones	CDC Foundation
Gregory Homish	Community Health & Health Behavior	1) Substance Use in Reservists: Social and Environmental Influences	National Inst. on Drug Abuse
		2) Supplement to Substance Use in Reservists: Social and Environmental Influences	National Inst. on Drug Abuse
		3) A Randomized Cross-Over Trial of Two Treatments for Obstructive Sleep Apnea in Veterans with Post Traumatic Stress Disorder	Veterans Administration of WNY Healthcare Systems
Jennifer Temple	Exercise & Nutrition Sciences	Sensitization of the Reinforcing Value of Food as a Predictor of Weight Change in Adolescents	National Inst. Of Diabetes and Digestive Kidney Diseases
Arthur Michalek	Epidemiology & Environmental Health	Population Health Improvement Program	P2 Collaborative of WNY
Lina Mu	Epidemiology & Environmental Health	Metabolomics Profiling of Biological Responses to Changes in Air Pollution Levels	National Inst. of Environmental Health Sciences

PI	Department	Title	Sponsor
James Olson	Epidemiology & Environmental Health	Vulnerability of the Adolescent Brain to Organophosphorus Pesticides	University of Iowa
Pavani Ram	Epidemiology & Environmental Health	Measuring the Benefits of Sanitation, Water Quality and Handwashing Interventions for Improving Health and Development	University of California at Berkley
Xuefeng Ren	Epidemiology & Environmental Health	1) FRY in Inhibiting EMT and its Anti-Invasion/Metastasis Effects in Breast Cancer	National Cancer Institute
		2) Mechanisms and Outcomes of MMAsIII Induced Alterations in Histone Acetylation	National Inst. of Environmental Health Sciences
John Violanti	Epidemiology & Environmental Health	Stressors and Cardio Metabolic Disease in Police: A 12-Year Longitudinal Study	National Institute of Occupational Safety and Health
Youfa Wang	Epidemiology & Environmental Health	John Hopkins Pediatric Obesity Research and Training Center	John Hopkins University
Dave Hostler	Exercise & Nutrition Sciences	1) Role of Hydration Status on Diver Performance	U.S. Dept. of Navy
		2) Sleep Wake Patterns and Real-time Fatigue Reductions among EMS Clinicians	Carolinas Healthcare
James Lenker	Rehabilitation Science	Measuring the Impact of Complete Streets Projects: Preliminary Field Testing	GoBike Buffalo
Kirk Personius	Rehabilitation Science	Why Do Mutations in IKBKAP Cause Familial Dysautonomia	Montana State University
Andrew Ray	Rehabilitation Science	Vitamin D3 and Lung Cancer Risk in Humans	Health Research Inc. (Roswell Park C.I.)

***“The darkest hour has only 60 minutes.”***

**Dr. Morris Mandel (1911-2009), American Jewish educator, journalist, psychologist, columnist and author**

