

SPHHP Research Activities Newsletter

In the News

Congratulations to the Following Awardees:



David Hostler, Professor and Chair of Exercise and Nutrition Sciences, is PI on a new award from the Science Application International Corp for the project entitled *SUNY Buffalo NEDU Collaboration*. Dr. Hostler will provide support to the Navy Experimental Diving Unit for diver thermal exposure studies, including the testing and evaluation of the effectiveness of passive diver thermal protection systems.



Alan Huston, Professor and Chair of Biostatistics, is PI on a continuation award from Health Research Inc. for the project entitled *mTOR Inhibition for Generating Memory T Cells to Enhance Ovarian Tumor Immunity*. Dr. Huston will provide statistical design and analysis support for a phase I trial and develop models determining optimal dose combinations with respect to planning a phase II trial.



Patricia Ohtake, Associate Professor of Rehabilitation Science, is PI on a new award from the New York Physical Therapy Association for the project entitled *Simulation-based Education with Mastery Learning Improves Physical Therapist Students' Skills in Managing Critically Ill Patients*. The project will examine the efficacy of simulation-based education as a safe, low-risk educational strategy for physical therapist students to develop entry level competency in critical care practice.



David Tritchler, Research Professor of Biostatistics, is PI on a new award from Kaiser Permanente for the project entitled *Diet and Lifestyle in a Prospective Study of Bladder Cancer Survivors*. Dr. Tritchler will assist with the genetic statistical analyses and implementation of data models for the project that will investigate the role of diet in recurrence and progression of bladder cancer. Dr. Tritchler is also PI on a continuation award from Health Research Inc. 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.



Gregory Wilding, Associate Professor of Biostatistics, is PI on a new award from Health Research Inc. for the project entitled *Anti-gloma Immunotherapy Using the Survivin Molecular Mimic, SVN53-67-M57*. Dr. Wilding will perform the statistical data analyses for the project, which seeks to develop a vaccine that uses the body's own immune system to treat a common form of brain cancer.



Jean Wactawski-Wende, Interim Dean of SPHHP and Professor of Epidemiology and Environmental Health (EEH), is PI on a continuation award from the National Heart, Lung and Blood Institute for the project entitled *The Women's Health Initiative Regional Field Center Program*. The Women's Health Initiative is a large multi-center clinical trial and observational study studying the major causes of morbidity and mortality in postmenopausal women, assessing the role of hormone therapy, diet and calcium/vitamin D supplementation on heart disease, cancer and osteoporosis. **Michael LaMonte**, Research Assistant Professor of EEH, **Amy Millen**, Associate Professor of EEH and **Heather Ochs-Balcom**, Assistant Professor of EEH, are co-investigators.

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Grant Clinic

REMINDER: NIH Requires the Research Performance Progress Report (RPPR) for All Progress Reports

As of October 17, 2014, NIH requires grantees to submit all Type 5 progress reports using the Research Performance Progress Report (RPPR) module in eRA Commons. Annual progress reports submitted in any format other than the RPPR will not be processed by the NIH. For further information, please see [NOT-OD-15-014](#).

NIH Revised Definition of a “Clinical Trial”

The revised NIH definition of a clinical trial is *a research study in which one or more human subjects are prospectively assigned to one or more interventions (which may include a placebo or other control) to evaluate the effects of those interventions on health-related biomedical or behavioral outcomes*. An intervention is defined as a manipulation of the subject or subject’s environment for the purpose of modifying one or more health-related biomedical or behavioral processes and/or endpoints. A health-related biomedical or behavioral outcome is defined as the pre-specified goal(s) or condition(s) that reflect the effect of one or more interventions on human subjects’ biomedical or behavioral status or quality of life. For further information, please see [NOT-OD-15-015](#).

NIH Funding Opportunities: Requests for Applications (RFA)

January Due Dates

RFA-HD-15-017 (R01)

Increasing Access and Uptake of HIV Testing and Counseling and Appropriate HIV-related Services for Adolescents in Low and Middle-income Countries

This FOA encourages applications for implementation science projects that will provide results to directly inform HIV prevention and care service delivery programs for HIV-infected and at-risk, uninfected adolescents in resource limited settings, in order to increase their impact, efficiency, and sustainability.

Application Due Date: January 2, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-15-017.html>

RFA-HD-15-027 (U01)

Pediatric HIV/AIDS Cohort Study (PHACS) Coordinating Center

This FOA continues to address two critical scientific questions on the clinical course of perinatally acquired HIV infection in adolescents and the oral and systemic health consequences of in utero and infant exposure to antiretroviral chemotherapy in representative cohorts of children in the United States. The coordinating center is responsible for maintaining the Scientific Leadership Group through performance based subcontracts.

Application Due Date: January 2, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-15-027.html>

RFA-HD-15-029 (U01)

Pediatric HIV/AIDS Cohort Study (PHACS) Data and Operations Center

This FOA continues to address two critical scientific questions on the clinical course of perinatally acquired HIV infection in adolescents and the oral and systemic health consequences of in utero and infant exposure to antiretroviral chemotherapy in representative cohorts of children in the United States. The data and operations center will continue to coordinate clinical site activities (including community advisory board participation and activities), to provide methodological and analytical support, and to manage the database, including reconciliation with collaborating databases.

Application Due Date: January 2, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-15-029.html>

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RFA-AG-15-004 (U34)

Epigenetic Analyses of Aging as a Risk Factor for Multiple Chronic Conditions

The goal of this FOA is to assemble a multidisciplinary team of investigators to develop and plan collaborative strategies that aim to identify epigenetic changes during aging that collectively underlie aging as a risk factor for chronic diseases and degenerative conditions.

Application Due Date: January 15, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-004.html>

RFA-OD-15-001 (K12)

Building Interdisciplinary Research Careers in Women's Health (BIRCWH)

The BIRCWH supports mentored research career development of junior faculty who have recently completed clinical training or postdoctoral fellowships and who will be engaged in interdisciplinary basic, translational, behavioral, clinical, and/or health services research relevant to women's health, and where appropriate the use of both sexes to better understand the influence of sex as a variable on health and disease.

Application Due Date: January 5, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-15-001.html>

RFA-ES-14-010 (P50)

Centers of Excellence on Environmental Health Disparities Research

This FOA encourages grant applications to support research on basic and applied research on environmental health disparities. The proposed research is expected to develop innovative approaches to understand environmentally-driven health disparities and improve access to healthy environments for vulnerable populations and communities. The proposed Centers are expected to support research efforts, mentoring, research translation and information dissemination.

Application Due Date: January 9, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-14-010.html>

RFA-AG-15-013 (U01)

Analyses of Datasets on Older Populations with High Prevalence of Mobility Disability to Develop Clinically Meaningful Diagnostic Cut-Points for Low Muscle Mass and/or Low Muscle Strength

This FOA invites applications for support of analyses of existing data (or data whose collection will be completed by one year from the date of this FOA) from older populations with high prevalence of mobility disability, low muscle mass, and low muscle strength (weakness). Studies should clarify relations between muscle mass and strength, impaired physical function, and mobility disability, and their implications for setting diagnostic cut-points.

Application Due Date: January 15, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-013.html>

RFA-MD-15-001 (R01)

System-Level Health Services and Policy Research on Health Disparities

Investigators who conduct original and innovative system-level health services or policy research directed toward eliminating health disparities are encouraged to apply to this FOA. Projects may include observational/descriptive, simulation, or interventional studies and may involve primary data collection and/or secondary analysis of existing datasets.

Application Due Date: January 20, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-15-001.html>

RFA-MD-15-003 (R41/R42)

Technologies for Improving Minority Health and Eliminating Health Disparities

The purpose of this FOA is to stimulate a partnership of ideas and technologies between innovative small business concerns (SBCs) and non-profit research institutions resulting in improving minority health and the reduction of health disparities by commercializing innovative technologies. Eligible United States SBCs are encouraged to submit Small Business Technology Transfer (STTR) grant applications that propose to develop a product, process or service for commercialization with the aim of reducing disparities in healthcare access and health outcomes.

Application Due Date: January 23, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-15-003.html>

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RFA-MD-15-004 (R43)

Innovations for Healthy Living – Improving Minority Health and Eliminating Health Disparities

The purpose of this FOA is to engage small business concerns (SBC) in developing technologies and products that engage, empower, and motivate individuals and communities, including providers and healthcare institutions, in sustainable health promoting activities and interventions that lead to improved health, healthcare delivery, and the elimination of health disparities.

Application Due Date: January 27, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-15-004.html>

RFA-ES-14-001 (U01)

Coordinating Center for the Breast Cancer and the Environment Research Program (BCERP)

The overarching goal of BCERP is to support integrated scientific research to enhance our understanding of environmental and genetic factors underlying breast cancer risk. A primary role of the BCERP Coordinating Center will be to identify opportunities for cross-BCERP collaborations and extend the transdisciplinary activities of the BCERP Consortium.

Application Due Date: January 28, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-14-011.html>

RFA-ES-14-012 (U01)

Environmental Influences during Windows of Susceptibility in Breast Cancer Risk

This FOA will support transdisciplinary research projects that address one or more potential windows of susceptibility and facilitates the integration of experimental model and human studies to accelerate understanding of the contribution of environmental factors to breast cancer risk, the underlying mechanisms, and potential prevention strategies. Applications must also include community-academic partnerships with defined community engagement activities.

Application Due Date: January 28, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-14-012.html>

RFA-AG-15-018 (R01)

Immune and Inflammatory Mechanisms in Alzheimer's Disease

The goal of this FOA is to establish the role of the brain innate immune system, the systemic immune system, and the crosstalk and changes with age between the two in the development and progression of Alzheimer's disease. An interdisciplinary and integrative research approach to identify the cell networks and mediators of the brain and systemic immune and inflammatory systems is expected to give greater insight into the etiological mechanisms underlying Alzheimer's disease.

Application Due Date: January 29, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-018.html>

February Due Dates

RFA-MH-15-340 (R01)

Confirmatory Efficacy Clinical Trials of Non-Pharmacological Interventions for Mental Disorders

The purpose of this FOA is to support confirmatory efficacy testing of non-pharmacological therapeutic and preventive interventions for mental disorders in adults and children through an experimental therapeutics approach. Intervention studies include, but are not limited to behavioral, cognitive, and interpersonal approaches, or a combination thereof.

Application Due Dates: February 18, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-340.html>

RFA-DC-14-001 (R21/R33)

NIDCD Research On Hearing Health Care

This FOA invites applications to support research and/or infrastructure needs leading to more accessible and affordable hearing health care (HHC). The proposed research aims should lead to the delivery of better healthcare access and outcomes and be directed to solutions that are effective, affordable and deliverable to those who need them.

Application Due Date: February 25, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DC-14-001.html>

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RFA-ES-15-003 (R01)

Outstanding New Environmental Scientist (ONES) Award

The ONES Award is intended to identify the most talented Early Stage Investigators, as defined by NIH ([Early Stage/New Investigators](#)) 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. Please contact SPHHP Associate Dean for Research, R. Lorraine Collins (lcollins@buffalo.edu), if interested in applying.*

Application Due Date: February 27, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-15-003.html>

March Due Dates

RFA-DK-14-022 (DP3)

Improving Diabetes Management in Young Children with Type 1 Diabetes

The purpose of this FOA is to support research to develop, refine, and pilot test innovative strategies to improve diabetes management in young children with type 1 diabetes (5 years old and under). 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: March 18, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-022.html>

RFA-DK-14-017 (DP3)

Type 1 Diabetes Complications IMPACT Award

This FOA solicits research focused on defining biomarkers that can be used to track the onset, progression, and extent of tissue damage that develops over time in people with T1D. It also solicits research to develop approaches to regenerate damaged tissue. Proposed studies should be designed to address major unmet needs and/or compelling opportunities that have the potential to dramatically advance the field.

Application Due Date: March 19, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-017.html>

April Due Dates

RFA-DK-14-025 (R01)

Identification of Novel Targets and Pathways Mediating Weight Loss, Diabetes Resolution and Related Metabolic Disease after Bariatric Surgery in Humans

Studies directly addressing novel mechanisms using targeted approaches are of interest and responsive to this FOA, particularly those which utilize up-to-date sophisticated methodologies. Early stage discovery based or unbiased approaches to identify changes in previously unidentified secreted proteins and metabolites using "omics" (ex. proteomic, metabolomics, epigenomics) would also be responsive to this initiative. Longitudinal studies that can address the temporal importance of sequential mechanisms are encouraged as well as those studies that seek to identify the mechanistic link between phenotype and response to bariatric surgery.

Application Due Date: April 16, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-025.html>

RFA-DK-14-026

Psychosocial and Behavioral Aspects of Bariatric Surgery

The goals of this FOA are to: 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 pre-and/or post-operative behavioral 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 16, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-026.html>

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June Due Dates

RFA-DK-14-002 (P30)

Nutrition Obesity Research Centers (NORCs)

This FOA invites applications that propose to establish core centers that are part of an integrated and existing program of nutrition and/or obesity research. The NORC program is designed to support and enhance the national research effort in nutrition and obesity. NORCs support three primary research-related activities: Research Core services, a Pilot and Feasibility (P and F) program, and an Enrichment program. *Only one application per institution is allowed. If interested in applying, please contact Ken Tramosch at ovpr.limitedsubmission@research.buffalo.edu.*

Application Due Dates: June 18, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-14-002.html>

July Due Dates

RFA-HG-14-004 (T32)

Predoctoral Training in Biomedical Big Data Science

Applications are being solicited for graduate training programs in Big Data Science, for the expressed purpose of training the next generation of scientists who will develop computational and quantitative approaches and tools needed by the biomedical research community to work with Big Data in the biomedical sciences.

Application Due Dates: July 27, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-14-004.html>

Multiple Due Dates

RFA-EB-15-001 (R43/R44)

Development and Translation of Medical Technologies to Reduce Health Disparities

This FOA encourages Small Business Innovation Research (SBIR) grant applications from small business concerns that propose to develop and translate medical technologies aimed at reducing disparities in healthcare access and health outcomes. Appropriate medical technologies should be effective, affordable, culturally acceptable, and deliverable to those who need them. Responsive grant applications 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: January 28, 2015; May 28, 2015

<http://grants.nih.gov/grants/guide/rfa-files/RFA-EB-15-001.html>

RFA-HL-16-007 (T32)

T32 Training Program for Institutions that Promote Diversity

The purpose of this FOA is to enhance the participation of individuals from diverse backgrounds underrepresented in cardiovascular, pulmonary, hematologic and sleep disorders research across the career development continuum. The Program supports training of predoctoral and health professional students and individuals in postdoctoral training institutions with an institutional mission focused on serving health disparity populations not well represented in scientific research, or institutions that have been identified by federal legislation as having an institutional mission focused on these populations.

Application Due Dates: February 18, 2015; September 18, 2015 (resubmissions only); February 18, 2016; September 9, 2016 (resubmissions only); February 18, 2017; September 18, 2017 (resubmissions only)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-16-007.html>

RFA-DA-15-004 (DP1)

NIDA Avant-Garde Award Program for HIV/AIDS and Drug Use Research

The NIDA Avant-Garde award supports innovative, basic research that may lead to improved preventive interventions or therapies; creative, new strategies to prevent disease transmission; novel approaches to improve disease outcomes; and creative approaches to eradicating HIV or improving the lives of those living with HIV. The proposed research should be substantially different from those already being pursued by the investigator or others.

Application Due Dates: July 29, 2015; July 29, 2016

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-15-004.html>

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RFA-DC-15-002 (K22)

NIDCD Research Career Transition Award for Nurturing Clinician-Investigators

The purpose of this FOA is to facilitate and support the early-stage research career development of new and recently appointed clinician faculty members with limited research training and experience who seek to forge an independent research career trajectory at academic institutions. This K22 program is intended to provide them with the knowledge, tools and research experience that will enable them to craft an NIDCD mentored clinician-scientist development (K08/K23) award application that is competitive for funding.

Application Due Dates: February 2, 2015; October 2, 2015; June 2, 2016; February 2, 2017; October 2, 2017
<http://grants.nih.gov/grants/guide/rfa-files/RFA-DC-15-002.html>

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

PAR-15-024 (R01)

Food Specific Molecular Profiles and Biomarkers of Food and Nutrient Intake, and Dietary Exposure

This FOA encourages applications from well-qualified and experienced researchers to address the specific gaps on food specific molecular signatures and biomarkers of food and nutrient intake, and dietary exposure over time.

Application Due Dates: January 2, 2015; May 27, 2015; September 28, 2015; May 27, 2016; September 27, 2016; and May 27, 2017.

<http://grants.nih.gov/grants/guide/pa-files/PAR-15-024.html>

PAR-15-033 (K07)

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

The purpose of the Cancer Prevention, Control, Behavioral Sciences, and Population Sciences Career Development Award (K07) 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

Expiration Date: January 8, 2018

<http://grants.nih.gov/grants/guide/pa-files/PAR-15-033.html>

PAR-15-040 (R01)

Investigator Initiated Extended Clinical Trial

This FOA invites applications for implementation of investigator-initiated clinical trials requiring an extended project period of 6 or 7 years. The trials can be any phase, must be hypothesis-driven, and related to the research mission of one of the participating ICs. Consultation with IC staff is strongly encouraged prior to the submission of the clinical trial implementation application.

Application Due Dates: March 6, 2015; December 4, 2015

<http://grants.nih.gov/grants/guide/pa-files/PAR-15-040.html>

PAR-15-048 (R01); PAR-15-047 (R21)

Systems Science and Health in the Behavioral and Social Sciences

This FOA calls for research projects that are applied and/or basic in nature (including methodological and measurement development), have a human behavioral and/or social science focus, and employ methodologies suited to addressing the complexity inherent in behavioral and social phenomena, referred to as systems science methodologies. Additionally, this FOA seeks to promote interdisciplinary collaboration among health researchers and experts in computational approaches to further the development of modeling- and simulation-based systems science methodologies and their application to important public health challenges.

Application Due Dates: Standard dates apply

Expiration Date: January 8, 2018

<http://grants.nih.gov/grants/guide/pa-files/PAR-15-048.html>

<http://grants.nih.gov/grants/guide/pa-files/PAR-15-047.html>

NIH Funding Opportunities: Program Announcements (PA)

PA-15-017 (R01); PA-15-015 (R21); PA-15-016 (R15)

Biobehavioral and Technological Interventions to Attenuate Cognitive Decline in Individuals with Cognitive Impairment or Dementia

Application Due Dates: Standard dates apply

Expiration Date: January 8, 2018

<http://grants.nih.gov/grants/guide/pa-files/PA-15-017.html>

<http://grants.nih.gov/grants/guide/pa-files/PA-15-015.html>

<http://grants.nih.gov/grants/guide/pa-files/PA-15-016.html>

PA-15-026 (R01)

Mechanistic Studies of Pain and Alcohol Dependence

Application Due Dates: Standard dates apply

Expiration Date: January 8, 2018

<http://grants.nih.gov/grants/guide/pa-files/PA-15-026.html>

PA-15-034 (Admin. Supplement)

Administrative Supplements for Research on Sex/Gender Differences

Application Due Date: January 15, 2015

<http://grants.nih.gov/grants/guide/pa-files/PA-15-034.html>

PA-15-036 (R01); PA-15-035 (R34)

Research Aimed at Novel Behavioral Targets to Improve Adolescent Substance Abuse Treatment and Prevention Interventions

Application Due Dates: Standard dates apply

Expiration Date: January 8, 2018

<http://grants.nih.gov/grants/guide/pa-files/PA-15-036.html>

<http://grants.nih.gov/grants/guide/pa-files/PA-15-035.html>

PA-15-037 (R01); PA-15-038 (R21); PA-15-039 (R03)

Diabetes and Cardiovascular Disease in Older Adults

Application Due Dates: Standard dates apply

Expiration Date: January 8, 2018

<http://grants.nih.gov/grants/guide/pa-files/PA-15-037.html>

<http://grants.nih.gov/grants/guide/pa-files/PA-15-038.html>

<http://grants.nih.gov/grants/guide/pa-files/PA-15-039.html>

PA-15-042 (R01)

Family and Interpersonal Relationships in an Aging Context

Application Due Dates: Standard dates apply

Expiration Date: January 8, 2018

<http://grants.nih.gov/grants/guide/pa-files/PA-15-042.html>

“If we did all the things that we are capable of doing, we would literally astound ourselves.”

Thomas Alva Edison, US Inventor
(1847-1931)



*Happy
Holidays*

