



External Awards Received between 01/01/2020 and 06/30/2020

At 6-month intervals, we acknowledge and celebrate the success of faculty, staff and students within the SPHHP who have garnered external funding. Listed below are the SPHHP faculty and staff (alphabetized by department and centers) who received new or renewal/continuation awards, as UB Principal Investigators, between 01/01/2020 and 06/30/2020.

BIostatISTICS



Jihnhee Yu, Associate Professor of Biostatistics, is PI on a new award from Florida International University/U.S. Department of Education for the project entitled, *Enhancing IEP Implementation of Children with ADHD Using Daily Report Cards: An Efficacy Trial*. The study will test the efficacy of using a daily report card (DRC) intervention as an enhancement to the individualized education program (IEP) for students with attention-deficit hyperactivity disorder. The DRC will provide teachers with a daily link to a child's IEP goals and objectives and a mechanism for providing feedback to the child and parent on progress.

CENTER FOR ASSISTIVE TECHNOLOGY



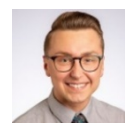
Kimberly Naus, Director of CAT Clients Services, is PI on a renewal award from the NYS Office of Children and Family Services for the project entitled, *Equipment Loan Closet – Renewal – 1*. The program loans adaptive equipment to legally blind persons for educational and work purposes.

Ms. Naus also is PI on three continuation awards from the NYS Justice Center for the Protection of People with Special Needs. The first is entitled, *Technology-Related Assistance for Individuals with Disabilities (TRAID) Program - Money Follows People*. The TRAID program helps people with disabilities access and acquire assistive technology. Consumers are able to use devices on a trial basis to determine the usefulness and need prior to purchase.

The second is entitled, *2016 TRAID MOU/ACCESS- VR*. The program will continue to provide funds to the ACCESS-VR Buffalo District Office for purchasing devices for individuals transitioning from secondary to post-secondary settings, including work, certificate and training programs, and college, as well as individuals in job try-outs and internship programs.

The third is entitled, *Technology Related Assistance for Individuals with Disabilities (TRAID) Program*. TRAID supports the development of state-wide consumer-responsive technical assistance programs for persons with disabilities.

COMMUNITY HEALTH AND HEALTH BEHAVIOR



Jacob Bleasdale, PhD student in Community Health and Health Behavior received a new fellowship award from embrace Western New York for the project entitled, *Understanding Factors Influencing Treatment Outcomes among People Living with HIV*. The study will explore various social factors that influence treatment outcomes among people living with HIV in WNY. **Sarahmona Przybyla**, Assistant Professor of Community Health and Health Behavior serves as Mr. Bleasdale's mentor.



Amanda Crandall, PhD student in Community Health and Health Behavior received a continuation fellowship award from the National Institute of Diabetes and Digestive and Kidney Diseases/NIH for the project entitled, *An Investigation of the Effects of Food Scarcity on Reinforcement Policy among Parents and Offspring*. The study will continue to examine the effects of financial food scarcity on food reinforcement and delay discounting among children and adolescents to improve our understanding of the risk factors for obesity. **Jennifer Temple**, Associate Professor of Exercise and Nutrition Sciences, serves as Ms. Crandall's mentor.



Gregory Homish, Professor and Chair of Community Health and Health Behavior, is PI on a continuation award from National Institute on Drug Abuse/NIH, for the project entitled, *Substance Use in Reservists: Social and Environmental Influences*. The longitudinal study is in its 8th year and continues to examine the impact of two military experiences - never being deployed and separation from military – on substance use outcomes for both soldiers and their spouses.



Jessica Kruger, Clinical Assistant Professor of Community Health and Health Behavior, is PI on a new award from Top Hat. The project will assess the utility and effectiveness of tailored and non-tailored messages to students based on weekly performance in class. Student perceptions of this educational intervention will be assessed along with drop, fail, withdraw, and resign (DFWR) rates for the courses utilizing this and compared to previous semesters when this methodology was not utilized.



Lucia Leone, Assistant Professor of Community Health and Health Behavior, is PI on two new awards. The first is from the AARP Foundation for the project entitled, *Pilot of the Senior Mobile Market Loyalty Program*. The project will pilot test a mobile market-based fruit and vegetable incentive program, the Senior Mobile Market Loyalty Program, for lower-income seniors. Eligible seniors will receive a discount off their purchase any time they visit the mobile market. The program's goal is to help improve food security and diet of lower-income seniors.

The second award is from North Carolina State University/Robert Wood Johnson Foundation for the project entitled, *Testing the Feasibility and Efficacy of Bundling WIC Products for Sale in a Grocery Store Setting*. Bundling uses behavioral economic principles to encourage purchasing of certain food items by selling them together as one package. The study will explore whether bundling can help address health inequities in the WIC program.

Dr. Leone also received a Diversity Supplement from the National Cancer Institute for her R01 entitled, *Effectiveness and Implementation of a Research Tested Mobile Produce Market Designed to Improve Diet in Underserved Communities*. This administrative supplement will support a bachelor's degree graduate, Rosaura Romero, to pursue research training in health-related sciences while applying for admission to graduate school.

EPIDEMIOLOGY AND ENVIRONMENTAL HEALTH



Jo Freudenheim, UB Distinguished Professor and Chair of Epidemiology & Environmental Health, is PI on a continuation award from the Peter T. Rowley Breast Cancer Scientific Research Projects/NYS Dept. of Health for the project entitled, *The Microbiome in the Etiology and Prevention of Breast Cancer*. The project is studying the microbiome in breast tissues, saliva and feces from 100 women with breast cancer to determine whether there are consistent differences by breast cancer subtype and by stage of disease.



Ekaterina Noyes, Professor of Epidemiology & Environmental Health, is PI on two new awards. The first is from the Research Institute at Nationwide Children's Hospital/NIH for the project entitled, *School-Based Asthma Therapy (SBAT) to Reduce Disparities in Childhood Asthma: Dissemination and Implementation Evaluation*. The SBAT program is a medical management school-based intervention, originally designed in Rochester, NY, to enhance asthma self-management and improve adherence to preventive asthma care. The project will evaluate and develop a national dissemination strategy targeting caregivers and their children, healthcare providers, school administrators and personnel, hospitals, physician-hospital organization (PHOs), and insurers.

The second award is from Pharmavite for the project entitled, *Cost-effectiveness of nutritional therapy in cancer patients*. The project will study whether nutritional therapy in cancer patients is cost-effective from the payer and patient perspectives and whether out-of pocket costs and access to nutritional therapy have improved for cancer patients with nutritional deficiencies after the Affordable Care Act



Heather Ochs-Balcom, Associate Professor of Epidemiology and Environmental Health, is PI on a continuation award from the National Cancer Institute/NIH for the project entitled, *Genetic Epidemiology of Breast Cancer Disparities in Women of African Ancestry*. The study will continue to analyze existing family- and population-based GWAS data in large-scale genetic studies to answer important questions about breast cancer disparities.



Laura Smith, Assistant Professor of Epidemiology & Environmental Health, is PI on a new award from the Bill & Melinda Gates Foundation for the project entitled, *Participatory Systems Dynamics Modeling to Improve the Impact of Health Campaigns in Zimbabwe*. The project will use a participatory Systems Dynamics Modeling approach with government stakeholders in Zimbabwe to develop a quantitative decision-making tool to test, identify and recommend more effecting implementation approaches for health campaigns.

EXERCISE AND NUTRITION SCIENCES



Katherine Balantekin, Clinical Assistant Professor of Exercise & Nutrition Sciences, is PI on a new award from National Institute of Diabetes and Digestive and Kidney Diseases/NIH for the project entitled, *The Intersection between Loss of Control Eating and Obesity: The Role of Restriction and Food Reinforcement*. The study will explore the relationships among loss of control eating, parental restriction, and the reinforcing value of food with respect to obesity risk.



David Hostler, Professor and Chair of Exercise and Nutrition Sciences, is PI on two new awards. The first is from Triton Systems, Inc./Dept. of the Navy for the project entitled, *Dive Helmet Communication System*. Divers will be submerged in UB's Center for Research in Special Environment's hyperbaric chamber, which will simulate a depth of at least 60 feet of seawater and background noise to simulate the operational environment. The divers will then provide feedback on the communication intelligibility and general usability of dive helmets.

The second award is from Naval Sea Systems Command for the project entitled, *Rehydration Strategies for Post-Immersion Performance in a Warm Environment*. The study seeks to understand post immersion physical performance in longer duration work set in warm conditions that challenge thermoregulation and possibly impairs performance. With this understanding, the project could provide important information for Special Warfare operators and Navy Divers regarding the effects of dehydration on performance during combined water and land-based missions in a warm environment.



Jennifer Temple, Associate Professor of Exercise & Nutrition Sciences, is PI on a continuation award from the National Institute of Diabetes and Digestive and Kidney Diseases/NIH for the project entitled, *Sensitization of the Reinforcing Value of Food as a Predictor of Weight Change in Adolescents*. The project is studying weigh-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.

Dr. Temple also received a revision award from the National Institute of Diabetes and Digestive and Kidney Diseases/NIH for her R01 entitled, *Sensitization of the Reinforcing Value of Food as a Predictor of Weight Change in Adolescents*. The additional funds will build upon the preliminary findings by adding additional measures, extending the timeline to later adolescence and emerging adulthood, and developing and validating a novel measure of eating behavior, eating autonomy.

REHABILITATION SCIENCE



Vijaya Prakash Krishnan Muthaiah, Assistant Professor of Rehabilitation Science, is PI on a new award from the U.S. Department of Defense/U.S. Army Research Office for the project entitled, *Behavioral evidence of tinnitus and its correlation with ABR wave metrics in chinchilla induced by blast injury*. The award provides funding for pilot data to determine whether reduction in peripheral auditory nerve input to the brainstem following acoustic trauma can lead to tinnitus, thus setting the stage for more in-depth neurophysiological studies.