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| **Motor Control & Biomechanics** |
| **Edward Ofori, PhD**Edward.ofori@asu.edu Assistant Professor Multimodal imaging, nonlinear analyses, and biomechanical modeling to understand brain dynamics associated with sensory-motor interactions and memory, cognitive-motor abilities, and movement patterns. Biomarker discovery and pharmaceutical rehabilitation of neurologic disorders, and individual differences (e.g., gender and lifestyle) within neurological disorders and across the lifespan.  | **Daniel Peterson, PhD** Daniel.Peterson1@asu.eduAssistant ProfessorOur lab aims to understand the interaction between balance, cognitive deficits, brain activity/structure, and falls in neurological populations such as people with Parkinson’s disease and multiple sclerosis. We have a particular focus on how gait and balance can be improved (and falls avoided) through rehabilitation using principles of motor learning. | **Shannon Ringenbach, PhD** Shannon.Ringenbach@asu.eduAssociate ProfessorAssisted cycle therapy on motor, cognitive & clinical functions in persons with Down Syndrome, intellectual disability, ADHD, stroke, physical & mental health, behavioral neuroscience, etc. |
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| **Metabolism & Physiology** |
| **Glenn Gaesser, PhD** Glenn.Gaesser@asu.eduProfessorAcute and chronic impact of exercise and diet on endothelial function; weight-loss independent health benefits of exercise and diet; obesity paradox; physical activity assessment technology. | **Haiwei Gu, PhD** haiweigu@asu.edu Assistant ProfessorResearch interests focus on mass spectrometry (MS)-based metabolomics and its applications in early disease diagnosis, drug metabolism, and biological sciences. We are skilled in the development, optimization, and applications of MS methods for both qualitative and quantitative measurements in various biological and medical studies.  | **Carol Johnston, PhD, RD** Carol.Johnston@asu.edu ProfessorVitamin C: relationships with adiposity, vinegar: antiglycemic effects in health adults and individuals with type 2 diabetes, vegetarian diets, and low carbohydrate diets |
| **Christos Katsanos, PhD**christos.katsanos@asu.edu Associate ProfessorMetabolic responses in humans with obesity, insulin resistance, and Type 2 Diabetes. Use of stable isotope tracers and mass spectrometry techniques to investigate how fat metabolism and the skeletal muscle proteome are altered in humans under these pathophysiological conditions, and how abnormal responses under these conditions can be favorably modified by exercise and diet. | **Stavros Kavouras, PhD**Stavros.Kavouras@asu.edu Professor* Hydration & Glucose Homeostasis
* Childhood Nutrition, Hydration & Obesity
* Hydration Assessment & Biomarkers
* Fluid/Electrolyte Balance, Thermoregulation & Performance
 | **Pamela Swan, PhD, FACSM, FTOS** Pamela.Swan@asu.edu Associate ProfessorExercise, obesity and health, Muscular-skeletal health consequences of severe weight loss (Post Bariatric Surgery), Regional adiposity, Effects of exercise on resting energy expenditure, Health effects of whole body vibration exercise. |
| **Dorothy Sears, PhD**Dorothy.Sears@asu.edu ProfessorDevelopment of evidence-based, practical, scalable modalities for obesity-associated, chronic disease prevention that leverage functional interaction between healthy behaviors and nutrition. “Nucleotides to public health” problem-solving approach, integrating multi-omics, behavioral, biomarker, and clinical outcomes. Specific interests include molecular mechanisms by which prolonged sitting time and intermittent fasting impact cancer and cardiometabolic risk and the mediating effect that functional foods may have on that risk. | **Karen Sweazea, PhD** Karen.Sweazea@asu.edu Associate ProfessorExploration of potentially protective mechanisms existing in mammalian and non-mammalian organisms against complications that can arise in diseases associated with being overweight or having high blood sugar levels; Evaluation of functional foods in the reversal of complications associated with overweight and diabetes; cardiovascular impact of poor nutrition. | **Natasha Tasevska, MD, PhD** Natasha.Tasevska@asu.eduAssociate ProfessorDeveloping biomarkers of intake; Dietary validation and calibrations studies and measurement error in self-reported diet; Epidemiological investigations of the effects of sugars on cancer, obesity and other chronic diseases. |
| **Shu Wang, PhD** Shu.Wang.10@asu.eduProfessor Research focuses on: Browning white adipose tissue for obesity therapy; Effects of browning white adipose tissue on type 2 diabetes, atherosclerosis, fatty liver disease and aging; Encapsulating phytochemicals and bioactive compounds into nanoparticles to prevent and treat chronic diseases, especially obesity, cardiovascular disease, and type 2 diabetes; Innovative and multidisciplinary delivery approaches for improving the health status. | **Floris Wardenaar, PhD** Floris.wardenaar@asu.eduAssistant Professor Focus on sports nutrition and sports performance research; development of new feeding concepts and nutrition assessment tools for athletes; hydration status, energy expenditure, nutrient intake and status, body composition and acclimation to extreme heat. Applied scientific approach; Lab is part of collaboration between School of Nutrition and Health Promotion, the College of Health Solution and Sun Devil Athletics. Close collaboration with the Sports Nutrition Department at Sun Devil Athletics. | **Corrie Whisner, PhD** Corrie.Whisner@asu.eduAssistant ProfessorBroad research interests: metabolic disturbances in nutrition-related diseases, lifestyle interventions to prevent or correct chronic disease, and the influence of both genetic and environmental factors on health outcomes. Specific interests include Interactions between dietary intake and gut microbiome in relation to metabolic diseases; Mineral metabolism in at-risk, pediatric populations such as infants and adolescents; Functional food (prebiotics/probiotics) applications for health. |
| **Population & Behavioral Health Sciences** |
| **Marc Adams, PhD, MPH** Marc.Adams@asu.edu Associate ProfessorBehavior change: walking, physical activity; Environment: city designs, walkability, transit environments; Intervention design: e-Health & adaptive interventions; Theory: behavioral economics; Measurement: pedometers, GIS/GPS; Primary prevention. | **Cady Berkel, PhD**Cady.Berkel@asu.eduAssociate ProfessorDr. Berkel focuses on reducing health disparities (including substance use, mental health, HIV/STIs, and obesity) through research related to the dissemination and implementation of evidence-based prevention programs. She studies the implementation of evidence-based programs in community settings, including healthcare and court systems. She co-developed the Family Check-Up 4 Health program, an adaptation of the evidence-based Family Check-Up for integrated primary care settings, and currently conducting a second randomized trial of the program. Her work also focuses on the development and testing of implementation theories and measures through behavioral observations, machine learning, and other pragmatic methods. In addition, she conducts basic research on risk (e.g., discrimination and poverty) and resilience (e.g., racial/ethnic socialization, identity, and cultural values) mechanisms associated with health disparities. She is a member of the National Advisory Council of the US Substance Abuse and Mental Health Services Administration (SAMHSA)’s Center for Substance Abuse Prevention (CSAP) and a member of the Arizona Healthcare Cost Containment System (AHCCCS)’s Steering Committee for Primary Prevention Substance Abuse Strategic Plan. She also serves on the DSMB of the NIDA HEAL Prevention Initiative. At ASU, she is a co-lead of the Dissemination & Implementation Affinity Network and the Maternal Child Health Translational Team.  | **Meg Bruening, PhD, MPH, RD** Meg.Bruening@asu.edu Associate ProfessorPublic health nutrition promotion and obesity prevention targeted to underserved maternal child health populations. Major topics include: Social epidemiology/social network/socio-environmental influences on eating and physical activity behaviors; food insecurity risk and resiliency factors; Developing and evaluating public health nutrition interventions, including school-and community-based/CBPR programs |
| **Matthew Buman, PhD** Mbuman@mainex1.asu.edu Associate ProfessorDynamic interplay of sleep, sedentary, and more active behaviors for health promotion; Community-based interventions for mid-life and older adults; wearable sensors for 24-hour behavioral monitoring. | **Cheryl Der Ananian, PhD** Cheryl.Derananian@asu.edu Associate ProfessorThe promotion of physical activity for older adults with an emphasis on utilizing physical activity as a secondary prevention strategy for chronic illnesses include arthritis and heart disease; community-based physical activity for older adults; translation and dissemination of evidence-based physical activity programs. | **Jennifer Huberty, PhD** Jennifer.Huberty@asu.edu Associate ProfessorResearch interests include using complementary approaches (e.g., yoga, meditation, physical activity) delivered with digital interventions (online, mobile phone apps) to improve mental and physical health in women (i.e., middle-aged, stillbirth mothers, pregnant women) and cancer patients.  |
| **Alexis Koskan, PhD** Alexis.Koskan@asu.edu Assistant ProfessorPreventing and controlling HPV-related cancers.Major topics include: Intervention studies aimed at increasing HPV vaccine series completion, working with various types of healthcare providers (e.g. primary care providers, infectious disease specialists, dentists, dental hygienists, etc.) to ensure HPV vaccine uptake and completion; HPV-related cancer screening interventions | **Chong Lee, EdD, FACSM** Chong.Lee@asu.edu Associate ProfessorInvestigating the combined impact of lifestyle factors (i.e., physical activity, healthy diet, not smoking, etc.) on CVD and cancer mortality; developing new waist girth, body fatness, and physical fitness standards in children and adults (e.g. population-specific groups); and constructing new global prediction algorithms of CVD, cancer (i.e. colorectal, breast, etc.), and type 2 diabetes using health behaviors and health factors across race and sex groups. | **Rebecca Lee, EdD, FACS** relee6@mainex1.asu.edu ProfessorCommunity research with Hispanic populations in the US and Mexico to reduce health disparities. Use of innovative strategies, incorporating social cohesion, capitalizing on innovations in technology and improving the quality of neighborhood environments. Research grants focusing on social, environmental, community and virtual interventions to increase physical activity and improve dietary habits in Hispanic populations. |
| **Scott Leischow, PhD**Scott.Leischow@asu.eduProfessorBehavioral pharmacology research assessing the effects tobacco and electronic nicotine delivery systems (ENDS) use, (b) analyzing the role of social media regarding ENDS use, (c) clinical and community studies on tobacco treatment, and (d) exploring  social networks and systems regarding collaboration, dissemination and implementation of tobacco control practices and policies in multiple international locations. | **Punam Ohri-Vachaspati, PhD, RD**Punam.Ohri-Vachaspati@asu.edu ProfessorExamining social-ecological determinants of obesity and food consumption behaviors; role of food access, food security, food environments, and food policies in influencing consumption behaviors and health outcomes; focus on federal, state, and local nutrition policies and programs in community and school settings.  | **Allison Ross, PhD** allison.poulos@asu.edu Assistant ProfessorPhysical activity promotion for children and youth; Individual, social, and environmental factors related to active transportation to/from school; Active play and sport as sources of physical/social/psychological health; Promoting culture of health and physical activity in schools |
| **Gabriel Shaibi, PhD** Gabriel.Shaibi@asu.eduAssociate ProfessorEffects of lifestyle behaviors on cardiometabolic disease risk (e.g., insulin resistance, metabolic syndrome, and type 2 diabetes) in high risk children, adolescents, and families.  Physiology of insulin resistance type 2 diabetes across the lifespan. | **Sonia Vega-López, PhD**Sonia.Vega-Lopez@asu.edu Associate ProfessorDevelopment of culturally sensitive interventions and strategies to promote diet improvement and chronic disease prevention among Hispanics and other high-risk populations; assessment of family- and household environment-level factors influencing diet quality and chronic disease prevention and control among Hispanic families; evaluation of the effects of diet and lifestyle modifications on chronic disease risk factors, obesity, metabolic diseases and diabetes management; effect of diets and dietary components on the metabolism of cholesterol and lipoproteins. | **Christopher Wharton, PhD** Christopher.Wharton@asu.edu Associate ProfessorLifestyle and dietary behavior change interventions, including screen-based and dietary behaviors; Vegetarian nutrition; Healthy food production and distribution; Food systems and sustainability and local food programs |
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| **Shawn Youngstedt, PhD** Shawn.Youngstedt@asu.edu ProfessorSleep, mental and physical health. a) The risks of long sleep. Both short sleep duration (less than 6 hours) and long sleep duration (8 hours or more) are associated with mortality and multiple morbidities. Although the risks of long sleep have been greater and more consistent than the risks of short sleep, we are one of the only groups that are experimentally studying long sleep. b) Non-pharmacologic means of improving sleep and mental health. We have conducted research examining the effects of exercise and bright light on insomnia, sleep apnea, and PTSD. We are also conducting studies of the effects of napping on health, and planning studies of sleep in competitive swimmers |  |