BUILDing the health and health care workforce of the future

Arizona State University

ALISON C. ESSARY, DHSC, MHPE, PA-C
Mission
Health Solutions promotes excellence in research and **discovery of public value**; fosters **collaboration** among students, faculty, staff and communities; and graduates diverse, **adaptable** problem-solvers, engaged with **complex systems** and processes, to **lead teams** within the health and health care workforce.
The College of Health Solutions (CHS) offers students high quality education with real-world experiences and connections in a variety of health and health care related fields. The college works across the university and with strategic partners to improve health outcomes, lower costs and increase access. The college aims to have a lasting, positive impact on health nationally and globally, starting with efforts locally. The ASU students are a part of the solution to transform health care.
Dr. Matt Buman is seeking ASU BUILDing Scholars for a large-scale research study on reducing sitting time and increasing light-intensity physical activity in the workplace.

- This study will engage worksites around ASU and the Phoenix metropolitan area in the evaluation of interventions including the use of sit-stand workstations and worksite environmental and policy changes. This project will incorporate the use of wearable sensors to measure sitting and light-intensity activity behaviors and will assess cardiometabolic health outcomes over the course of the 2-year intervention period.

- Research assistants will have the opportunity to work alongside a large team of research faculty from two different institutions, postdoctoral fellows, doctoral students, and fellow graduate and undergraduate students.

- This project will be under the direction of Dr. Matthew Buman in the Exercise Science and Health Promotion Program at ASU on the downtown campus.

http://snhpnutritionresearch.weebly.com/
Dr. Punam Ohri-Vachaspati, PhD, RD, is an Associate Professor of Nutrition at the School of Nutrition and Health Promotion. Under the umbrella of public health nutrition, her research aims to understand the social-ecological determinants of health with a focus on reducing health disparities.

- She examines food environments in community settings, schools, and child care centers, and assesses the role federal, state, and local policies play in shaping these environments as they related to obesity prevention efforts. She also studies policies and practices related to food marketing to understand how these efforts drive behaviors.
- Dr. Ohri-Vachaspati has a very active research group at the ASU School of Nutrition and Health Promotion with doctoral, masters, and undergraduate students working together in a nurturing and supportive environment.
- Students can join ongoing research projects or work on new or related topics in public health nutrition, food policy, food marketing, and social determinants of health. Almost all previous and current students have published their work in peer reviewed journals and / or present at national and local conferences.

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Dr. Shannon Ringenbach is investigating an innovative exercise program on a stationary bicycle that has a mechanical motor on it to deliver Assisted Cycle Therapy, which has been suggested to promote neurogenesis in the prefrontal cortex.

- We will examine behavioral outcomes that are clinical, motor, cognitive, physical and mental health.
- We have seen improvements in many of these measures in adolescents with Down syndrome, older adults with Down syndrome, Adults with ADHD and adolescents with Autism.
Dr. Matthew Scotch is an Assistant Professor in the Department of Biomedical Informatics at Arizona State University.

– His research interest is in the intersection of public health informatics and bioinformatics, specifically linking health data on animals and humans to support surveillance of zoonotic diseases (diseases transmittable between animals and humans).

– He is also working on developing an informatics system to support phylogeography of zoonotic RNA viruses. Research interest: Bioinformatics for Public Health (systems that leverage molecular sequence data to support decision-making at health agencies)
Thank you!

Questions?

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