



UNIVERSITY of MARYLAND
SCHOOL OF MEDICINE

Research Day

Monday, May 14, 2018
1:00 pm – 4:30 pm
MSTF Leadership Hall & Atrium
685 West Baltimore Street

Keynote Speaker: Emily Keshner, P.T., Ed.D., Professor, Physical Therapy, College of Public Health, and Department of Electrical and Computer Engineering, Temple University, Philadelphia, PA.

“Crossroads and Pathways: Reflections of a PT, Researcher and Educator”



Dr. Keshner is a nationally and internationally recognized and highly accomplished physical therapy research scientist whose work is focused on postural control in healthy and vestibular deficient adults, and is a leader in the application of virtual reality technology to rehabilitation in aging and neurological patients as Director, Virtual Environment and Postural Orientation Laboratory. Dr. Keshner received both her Physical Therapy license and Ed.D at Columbia University. She pursued the completion of her post –doctoral fellowship with a focus in neuroscience and physiology at University of Oregon and Northwestern University respectively. During this time she also completed her research associate in Switzerland with a focus in otolaryngology. Many years of her research experience focused on the role of vestibular signals on coordinative properties and the sensory-motor characteristics of muscle activity in the neck and trunk for stabilization in space. Her seminal work on the frequency characteristics of the vestibular system for head and neck stabilization still guides our understanding of how this system contributes to posture control. She’s performed studies with motion analysis and EMG analysis on both animal and human models including healthy young adults, older adults, and patients with cerebral palsy, stroke and vestibular disorders. In addition, she recently completed a sabbatical experience with Drs. Mark Carpenter, Arthur Mallinson, and Neil Longridge at the University of British Columbia to examine new intervention options for adults with unremitting visual vertigo. She also has a strong history of collaboration with junior colleagues and mentored graduate students across several disciplines, including engineering, computer science, and physiology. In this talk she will discuss how her background in dance and physical therapy motivated her to seek ecological validity in her research.

Additional Invited Speakers:

Elizabeth Woytowicz, PhD, Post- doctoral Fellow University of California, Irvine
**“Complementary Hemispheric Dominance of Bilateral Movements
In Young and Old Adults”**

The keynote address will be followed by a poster session.
This event is pending approval for .04 contact hours by the
Maryland Board of Physical Therapy Examiners.

Please RSVP to: Janice Abarro at jabarro@som.umaryland.edu or 410.706.0856