

Bethke, Donna

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**From:** UM SOM PTRS <dbethke@som.umaryland.edu>  
**Sent:** Wednesday, May 16, 2018 2:42 PM  
**To:** Bethke, Donna  
**Subject:** The Chair's Chatter - 5/16/2018



UNIVERSITY *of* MARYLAND  
SCHOOL OF MEDICINE

PHYSICAL THERAPY  
AND REHABILITATION SCIENCE

May 16, 2018

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***The Chair's Chatter***



## Department News



## PTRS Annual Research Day



The department's annual Research Day was held on Monday, May 14th, 2018 in the School of Medicine's Leadership Hall. Keynote speaker, Emily Keshner, PT, EdD, presented: "*Crossroads and Pathways: Reflections of a PT, Researcher and Educator*". Dr. Keshner is a Professor of Physical Therapy in the College of Public Health and in the Department of Electrical and Computer

Engineering at Temple University in Philadelphia, PA. **Elizabeth Woytowicz**, PhD, Post-doctoral Fellow at the University of California, Irvine also presented, "*Complementary Hemispheric Dominance of Bilateral Movements In Young and Old Adults*". Poster presentations included:

### **PTRS Faculty & Staff**

**Vicki Gray**, PT, PhD, Research Associate, "A comparison of perturbation induced and voluntary step training on lateral balance control during reaction time stepping in stroke"

**Victoria Marchese**, PhD, PT, Associate Professor & Robert Creath, PhD, Assistant Professor, "Exploring Lower Extremity Force Modulation While Jumping in Childhood Leukemia Cancer Survivors"

**Douglas Savin**, PT, MPT, PhD, "Locomotor Adaptation to a Unilateral Ankle Weight in Persons Post-Stroke: A Pilot Study"

**Dali Xu**, PhD, Research Associate, "EMG-Based Decoding of Knee and Ankle Movements"

### **PTRS Post-Doctoral Fellows**

**James Borelli**, PhD, "Perturbation-evoked lateral steps in older adults: Why take two steps when one will do?"

**Dongwon Kim**, PhD, visiting UMCP post-doctoral fellow, "A hand stretching device with safety enhanced using an elastic element and impedance control"

**Kyung Koh**, PhD, "Loss of Kinematic Synergy During Arm Movement Post Stroke"

**Chuyang Zhang**, MD, PhD, "Torsional Strength on Uncemented Femoral Implant: Collared vs. Collarless"

### **PTRS PhD Students**

**Brian Johnson**, MOT, PhD candidate, "Development of a bimanual assessment measure for use with individuals with stroke"

**Wan-Wen Liao**, PhD candidate, "Individualizing Non-invasive Brain Stimulation to Enhance Bimanual Arm Coordination in Individuals with Chronic Stroke"

**Cecelia Najera**, MAJ, SP, MOT, OTRL, PhD candidate, "A Single Session of Physical Activity Impacts Cognitive Function in Chronic Stroke Survivors"

**Ozell Sanders**, M.S, PhD candidate, "Age-related changes in neuromuscular and kinematic landing responses to sudden loss of ground support while standing"

**Chieh-ling Yang**, MOT, PhD candidate, "Impaired Posture and Movement Preparation during Standing Voluntary Reach in the Paretic and Nonparetic Arms Following Stroke"

### **PTRS DPT Students**

**Anne Brockmeyer**, SPT Mentor: **Karen Gordes**, PT, DScPT, PhD  
"Rehabilitation of a Patient s/p Patella Dislocation with Medial Retinacular Repair and Lateral Release and Manipulation Under Anesthesia"

**Autumn Cohen**, SPT Mentor: **Laurie Neely**, PT, DPT, NCS  
"Improving Functional Independence in a Patient with an Incomplete Spinal Cord Injury Secondary to Metastatic Tumors"

**Hope Cunningham**, SPT Mentor: **Roy Film**, PT, DPT, OCS, FAAOMPT  
"A Comprehensive Treatment Plan for a Male Patient with Chronic Pelvis Pain: A Case Study"

**Gregory Ellis**, SPT Mentor: **Christa Nelson**, PT, DPT, PhD  
"Physical Therapy Approach for Thoracic Spine Pain with Concurrent Postural Derangement"

**Nina Fisher**, SPT Mentor: **Vincent Conroy**, PT, DScPT  
"Comprehensive Rehabilitation of a Patient with Chronic Back Pain Utilizing Yoga Based Movements to Reduce Symptoms and Fear Avoidance Behavior"

**Katherine Hill**, SPT Mentor: **Laurie Neely**, PT, DPT, NCS  
"Total Hip Replacement Secondary to Hip Fracture in a Recent Trans-Femoral Amputee"

**Jillian Marchese**, SPT Mentor: **Sandy McCombe-Waller**, PT, PhD, MS, NCS  
"Incorporating Tai Chi Movements into Balance Training Focused Rehabilitation for a Patient with Advanced Parkinson's Disease"

**Dylan Marks**, SPT Mentor: **Vincent Conroy**, PT, DScPT  
"Neural Mobilization, Therapeutic Exercise, Manual Therapy and Patient Education: Efficacy for a Patient Diagnosed with Carpal Tunnel Syndrome and Spine Dysfunction?"

**Kathryn Merrick**, SPT Mentor: **Cara Felter**, PT, DPT, MPH, NCS, PCS  
"Goal Oriented Kick/Leg Movement to Promote Early Mobility in Children with Spina Bifida Myelomeningocele"

**Melissa Newmark**, SPT Mentor: **Linda B. Horn**, PT, DScPT, MHS, GCS, NCS

"Vestibular and Balance Rehabilitation Therapy (VBRT) for a Patient with Persistent Postural-Perceptual Dizziness (PPPD) and Other Comorbidities"

**Daniel, Ontko**, SPT                      Mentor: **Peter Bowman**, PT, DPT

"Manual Therapy, Hip Strengthening and Core Activation for a Patient Experiencing Chronic Lower Back Pain with a History of a CVA"

**Stephanie Palacios**, SPT              Mentor: **Linda B. Horn**, PT, DScPT, MHS, GCS, NCS

"A Stroke of Good Luck: Can LSVT BIG Improve Gait Speed and Balance in Stroke?"

**Stefan Rasinski**, SPT                      Mentor: **Roy Film**, PT, DPT, OCS, FAAOMPT

"Lumbar Rotation-Extension Syndrome: A Case Report on Rehabilitation of a 24 year-old Female with Low Back Pain"

**Victoria Rhoades**, SPT                      Mentor: **Vincent Conroy**, PT, DScPT

"Personalized Blood Flow Restriction Therapy for a Patient with Juvenile Rheumatoid Arthritis"

**Kelly Rund**, SPT                              Mentor: **Laurie Neely**, PT, DPT, NCS

"Rehabilitation of a Patient status-post T11 Complete Paraplegia and the Effects on Dynamic Balance and Functional Independence"

**Jonathan Schehr**, SPT                      Mentor: **Doug Savin**, MPT, PhD

"Therapeutic Neuroscience Education in a Case on Non-Specific Lower Back Pain"

**Laura Strauch**, SPT                              Mentor: **Vincent Conroy**, PT, DScPT

"Manual Therapy and Therapeutic Exercise to Reduce Pain in a Patient Following MCL Sprain and Suspected Meniscal Tear"

**Conor Thompson**, SPT                      Mentor: **Karen Gordes**, PT, DScPT, PhD

"Rehabilitation of a Patient with Complex Medical History Following Micro Invasive Supra Path Hip Replacement"

**Elizabeth Trainer**, SPT                      Mentor: **Cara Felter**, PT, DPT, MPH, NCS, PCS

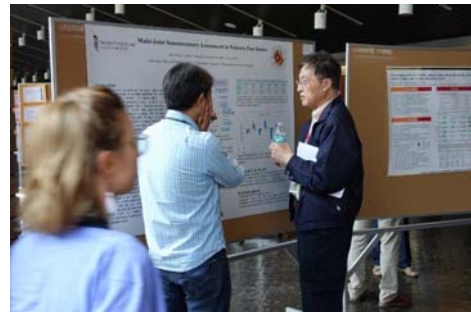
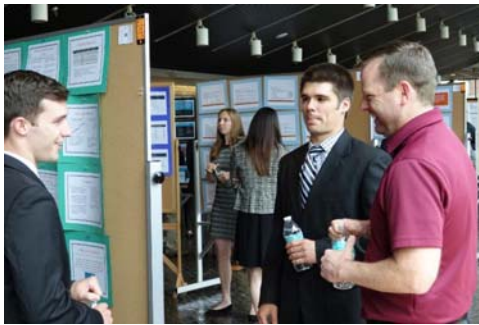
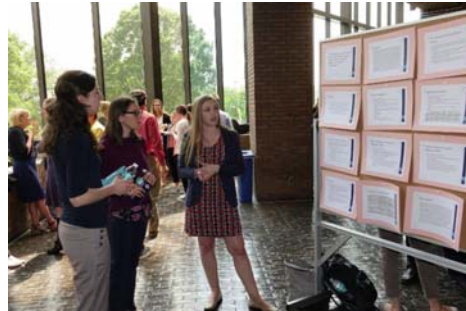
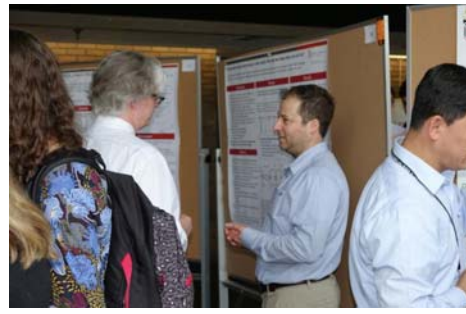
"Reducing Fall Risk with Activity Based Training Combined with Overground Gait Training for a Patient with Chronic Spinal Impairment"

**Shannon Will**, SPT                              Mentor: **Christa Nelson**, PT, DPT, PhD

"Comprehensive Rehabilitation of a 35 year old Male with Piriformis Syndrome and SI Joint Dysfunction"

**Kimberly Wiman**, SPT                      Mentor: **Roy Film**, PT, DPT, OCS, FAAOMPT

"Preparing a Transgender Woman for Vaginoplasty"



**Publication**



"Handedness results from Complementary Hemispheric Dominance, not Global Hemispheric Dominance: Evidence from Mechanically Coupled Bilateral Movements" was recently published in the *Journal of Neurophysiology* by co-authors, Elizabeth Woytowicz, PhD; Kelly Westlake, PhD, Jill Whittall, PhD, and Robert Sainburg, PhD. <https://doi.org/10.1152/jn.00878.2017> [Epub ahead of print]

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## Presentation



Karen R. Sack, department administrator, was Co-Speaker for the Society of Research Administrators (SRA) International Spring Intensive Training Programs. The two day workshop, entitled "Change Leadership: Pathways to Collaboration" was held in New Orleans, May 7-8, 2018. As part of her presentation, Karen shared Dean Reece's Vision for Partnership and Collaboration that was published in the April edition of School of Medicine news under "What's on My Mind - The Power of Partnership", with workshop attendees. The workshop was attended by national and international research and department managers and leaders.

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## Continuing Education Opportunities

### Advanced Manual Therapy Techniques for the Lower Extremity

When: Friday, **June 8, 2018** from 8:00 AM to 5:00 PM (EDT)  
Where: Allied Health Building, 100 Penn Street, Baltimore, MD 21201

Course Instructors: **Roy Film**, PT, DPT, OCS, FAAOMPT; **Peter Bowman**, PT, DPT, FAAOMPT; **Alisa Pravdo**, PT, DPT, FAAOMPT; and **Brett Rice**, PT, FAAOMPT

CEU: Pending approval for 7 hours by the MD Board of PT Examiners

Pricing: Free to CI's with voucher; \$150 to PTRS affiliates; \$200 for non-affiliates



## Stroke Rehabilitation: Balance Assessment and Novel Interventions

When: Saturday, September 15, 2018

Where: Allied Health Building, 100 Penn Street, Baltimore, MD 21201

Instructor: **Vicki Gray**, MPT, PhD

CEU: Pending approval for 6 hours by the MD Board of PT Examiners and the MD Board of OT Practice

Pricing: Free to CIs with voucher; \$100 for CIs without voucher; \$100 for PTRS alumni; \$175 for non-affiliates

**Registration links and more information can be found at:**

<http://pt.umaryland.edu/Continuing-Education/>

Questions? Contact Rachel Skolky at [RSkolky@som.umaryland.edu](mailto:RSkolky@som.umaryland.edu) or 410-706-2163.

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## Campus Events



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## Party in the Park

**\*\*LOCATION CHANGE!\*\***





Due to anticipated inclement weather, the location for -

***Party in the Park***

has been changed to

**SMC Campus Center  
2nd Floor Ball Rooms**

**There will not be a formal procession. All graduates should report to the Royal Farms Arena by 1:15pm.**

[Learn More Here](#)

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## **UMB Commencement**

**Friday, May 18th, 2018  
2:00 pm  
Royal Farms Arena  
201 W. Baltimore Street**

*All are welcome.  
No ticket required.*

Follow the day on Twitter!  
#2018UMB



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## **Have News To Share?**




Please send news, announcements, updates and pictures to **Donna Bethke**, [dbethke@som.umaryland.edu](mailto:dbethke@som.umaryland.edu), to be included in an upcoming issue.

**Thanks for sharing!**


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