The Chair's Chatter - 5/16/2018
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"
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<thead>
<tr>
<th>Name</th>
<th>Program</th>
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<tr>
<td>Ozell Sanders, M.S, PhD</td>
<td>DPT</td>
<td>Karen Gordes, PT, DScPT, PhD</td>
<td>&quot;Age-related changes in neuromuscular and kinematic landing responses to sudden loss of ground support while standing&quot;</td>
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<td>Chieh-ling Yang, MOT, PhD</td>
<td>DPT</td>
<td>Laurie Neely, PT, DPT, NCS</td>
<td>&quot;Impaired Posture and Movement Preparation during Standing Voluntary Reach in the Paretic and Nonparetic Arms Following Stroke&quot;</td>
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<td>Anne Brockmeyer, SPT</td>
<td>DPT</td>
<td>Karen Gordes, PT, DScPT, PhD</td>
<td>&quot;Rehabilitation of a Patient s/p Patella Dislocation with Medial Retinacular Repair and Lateral Release and Manipulation Under Anesthesia&quot;</td>
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<td>Autumn Cohen, SPT</td>
<td>DPT</td>
<td>Laurie Neely, PT, DPT, NCS</td>
<td>&quot;Improving Functional Independence in a Patient with an Incomplete Spinal Cord Injury Secondary to Metastatic Tumors&quot;</td>
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<td>Hope Cunningham, SPT</td>
<td>DPT</td>
<td>Roy Film, PT, DPT, OCS, FAAOMPT</td>
<td>&quot;A Comprehensive Treatment Plan for a Male Patient with Chronic Pelvis Pain: A Case Study&quot;</td>
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<td>Gregory Ellis, SPT</td>
<td>DPT</td>
<td>Christa Nelson, PT, DPT, PhD</td>
<td>&quot;Physical Therapy Approach for Thoracic Spine Pain with Concurrent Postural Derangement&quot;</td>
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<td>Nina Fisher, SPT</td>
<td>DPT</td>
<td>Vincent Conroy, PT, DScPT</td>
<td>&quot;Comprehensive Rehabilitation of a Patient with Chronic Back Pain Utilizing Yoga Based Movements to Reduce Symptoms and Fear Avoidance Behavior&quot;</td>
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<td>Katherine Hill, SPT</td>
<td>DPT</td>
<td>Laurie Neely, PT, DPT, NCS</td>
<td>&quot;Total Hip Replacement Secondary to Hip Fracture in a Recent Trans-Femoral Amputee&quot;</td>
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<td>Jillian Marchese, SPT</td>
<td>DPT</td>
<td>Sandy McCombe-Waller, PT, PhD, MS, NCS</td>
<td>&quot;Incorporating Tai Chi Movements into Balance Training Focused Rehabilitation for a Patient with Advanced Parkinson's Disease&quot;</td>
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<td>Dylan Marks, SPT</td>
<td>DPT</td>
<td>Vincent Conroy, PT, DScPT</td>
<td>&quot;Neural Mobilization, Therapeutic Exercise, Manual Therapy and Patient Education: Efficacy for a Patient Diagnosed with Carpal Tunnel Syndrome and Spine Dysfunction?&quot;</td>
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<td>Kathryn Merrick, SPT</td>
<td>DPT</td>
<td>Cara Felter, PT, DPT, MPH, NCS, PCS</td>
<td>&quot;Goal Oriented Kick/Leg Movement to Promote Early Mobility in Children with Spina Bifida Myelomeningocele&quot;</td>
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<td>Melissa Newmark, SPT</td>
<td>DPT</td>
<td>Linda B. Horn, PT, DScPT, MHS, GCS, NCS</td>
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"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"
"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 Whitall, PhD, and Robert Sainburg, PhD. [https://doi.org/10.1152/jn.00878.2017](https://doi.org/10.1152/jn.00878.2017) [Epub ahead of print]

**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.

**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

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**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:  

Questions? Contact Rachel Skolky at 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, to be included in an upcoming issue.

Thanks for sharing!