



## SCHOOL OF HEALTH AND REHABILITATION SCIENCES

INDIANA UNIVERSITY  
IUPUI

### **Dean's Update**

January-March, 2013

#### **Teaching and Learning**

- **Bayliss AJ, Bird C, Caley E, Strunk V.** Measurement of empathy changes during a physical therapist's education, as a new graduate and relationship to gender. Combined Sections meeting of the American Physical Therapy Association, Jan 24<sup>th</sup>, 2013. *Platform Presentation*
- **Scott, P.J. Justiss, M.J. Schmid, A.A. & Fisher, T.F** (2013) A Framework for Promoting Scholarship Productivity in Occupational Therapy Curricula. *Occupational Therapy in Health Care (27)* 1 35-45.

#### **Research, Scholarship, and Creative Activity**

- **Lydia George**, third year physical therapy students, was awarded the Mary McMillan Scholarship. She was one of three winners from a possible 2011 submissions.

#### **Publications**

- Yip, J., Powers, B., & **Kuo, F.** (2013). The Sensory Experience of Toilet Training and Its Implications for Autism Intervention. In Fitzgerald, M. (Ed). *Recent Advances in Autism Spectrum Disorders - Volume II*. InTech. doi: 10.5772/50854
- **Kuo, F.**, Goebel, L. A., Satkamp, N., Beauchamp, R., Kurrasch, J. M., Smith, A. R., Maguire, J. M. (2013). Service learning in a pediatric weight management program to address childhood obesity. *Occupational Therapy in Health Care*. doi:10.3109/07380577.2013.780318
- Mantila Roosa SM, Hurd AL, Xu H, **Fuchs RK, Warden SJ**: Age-related changes in proximal humerus bone health in healthy, white males. *Osteoporosis International* 2012;23:2775-2783
- Weatherholt AM, **Fuchs RK, Warden SJ**: Cortical and trabecular bone adaptation to incremental load magnitudes using the mouse tibial axial compression loading model. *Bone* 2013;52:372-379
- **Warden SJ**, Galley MR, Richard JS, George LA, Dirks RC, Guildenbecher EA, Judd AM, Robling AG, **Fuchs RK**: Reduced gravitational loading does not account for the skeletal effects of botulinum toxin-induced muscle inhibition suggesting a direct effect of muscle on bone. *Bone* 2013;54:98-103

- Dirks RC, Richard JS, Fearon AM, Scott A, Koch LG, Britton SL, **Warden SJ**: Uphill treadmill running does not induce histopathological changes in the rat Achilles tendon. *BMC Musculoskeletal Disorders* 2013;14:90 (5 pages)
- **Stuart Warden**, PhD, PT, FACSM was featured in *Outside Magazine* ( Q: Should I take ibuprofen before or after hard training to limit pain?) (April, 2013; p. 76)

### Poster Presentations

- **Altenburger P, Dierks T**, Miller K, Combs S, Van Puymbroeck M, **Schmid A**. Examination of sustained gait speed in individuals with chronic stroke deficits. Combined Sections meeting of the American Physical Therapy Association, Jan 22nd , 2013.
- White D, Bird C, Bayliss AJ, Loghmani MT. Application of ultrasound imaging of muscle, tendon, and fascia: an emerging PT practice area. Combined Sections meeting of the American Physical Therapy Association, Jan 22nd , 2013.
- **Loghmani T, Bayliss AJ**, White D, Bird C. Diagnostic ultrasound imaging of instrument-assisted soft tissue mobilization treatment effects on tendon and fascia pathology: a preliminary comparison. Combined Sections meeting of the American Physical Therapy Association, Jan 22nd , 2013.
- **Dr. Beth Brown's** Bridges to Baccalaureate student Richard Gaidoo presented at the Indiana Physiological Society (INPhys) meeting. The title of his poster presentation was: "The Effects of Aerobic Exercise Training on Right Ventricle and Skeletal Muscle Metabolism in a Rat Model of Pulmonary Arterial Hypertension." He received the INPhys 'Best Undergraduate Research' award- certificate and \$100.

### National Activities

- **Valerie Strunk**, MS, PT, taught a 2-day APTA Clinical Instructor Credentialing Program Course in March to 48 attendees, including PT, PTA, OT and SLP educators.

### Civic Engagement

- **Thomas Fisher**, PhD, OTR, CCM FAOTA chaired the OT Legislative Initiative during the 2013 General Assembly. The bill focused on OT Scope of Practice.
- IU SOC PT Student Executive Board members, Maggie Cappel and Kathryn Banas were invited by the IU School of Medicine Student Board to attend the Society for Student-Led Clinics in Austin, Texas to help present a poster co-authored by Lydia George and other IU SOC partners.
- Altenburger P, Loghmani T, Strunk V, Bayliss A. "Assessment of Instructional Collaboration Using the Integrated Longitudinal Case-based Learning Model to Enhance Teaching and Learning." Program Review and Assessment Committee Presentation. *Invited Talk*

## **Grants**

- **Chiung-ju Liu**, PhD, OTR (PI) was awarded \$53,000 by Roybal Center of Indiana University Center for Aging Research, National Institute on Aging for a project entitled “Feasibility of 3-Step Workout for Life for seniors”.
- **Patricia Scott**, PhD, MPH, OT, FAOTA was awarded \$7,410 by the Transplant Foundation Inc. for a feasibility study entitled “: Supplemental Support for Phase III: Translation of data into patient education materials”
- **Stuart Warden**, PhD, PT, FACSM, (PI) was awarded an internal grant of \$69,000 by the IU Office of the Vice President for Research for the project entitled, “Localizing the skeletal effects of the serotonin transporter”
- **Stuart Warden**, PhD, PT, FACSM, (Co-PI) was awarded \$1,152,533 over three years from the Department of Defense for a project entitled, “Maximizing PTH anabolic osteoporosis therapy”

## **Best Practices**

- **Patricia Scott**, PhD, MPH, OT, FAOTA was featured in the IUPUI 2012 Research Report for her work in translation of recovery research into patient services.
- **Patricia Scott**, PhD, MPH, OT, FAOTA has been invited to sit on the Signature Center Initiative Application Review Committee.

## **External Awards and Appointments**

- **Justiss, M.D.** Acquired a driving simulator & a Dynavision for OT Dept. / Driving Safety and Rehabilitation Research Laboratory. The Dynavision was donated by Easterseals Crossroads. The Driving Simulator was donated by the Transportation Active Safety Institute.
- **Terry Loghmani**, PhD, PT, MTC, CMT, served on the Community Engagement Task Force, a subcommittee of the IUPUI Strategic Planning Committee.
- **Terry Loghmani**, PhD, PT, MTC, CMT served on a dissertation committee involving instrument-assisted soft tissue mobilization research.