

# Dean's Update

January - March, 2012

## Teaching and Learning

- Valerie Strunk, MS, PT, Peter Altenburger, PhD, PT, Amy Bayliss, PT, DPT and Terry Loghmani, PhD, PT, MTC, CMT, conducted an educational session at the American Physical Therapy Association's Combined Section Meeting in Chicago on February 9, 2012. Their 2-hour educational session titled: *"It's All in the Family: Making the Case for Instructional Collaboration Using the Integrated Longitudinal Case-Based Learning Mode."* was presented to a national audience.
- Two (2) DPT students (Rebecca Holtz and Marie Berghoff) received IUPUI Graduate Office Travel Fellowship awards for travel to the Combined Sections Meeting of the American Physical Therapy Association.
- Daily LM, Koerner MM, Rinehart LD, Bayliss AJ, Fuchs RK, conducted a workshop on evidence-based guide to treating patients with osteoporosis during the Central Indiana Chapter Meeting of the American Physical Therapy Association on Jan 17th, 2012.
- Chiung-ju Liu, PhD, OTR and Arlene Schmid, PhD, OTR presented "Systematic Review and Meta-Analysis of Progressive Resistance Strength [Training](#) for Older Adults" and "Yoga after stroke", respectively, at the First Annual Occupational Science Summit in St. Louis, MO in March 2012.
- The PhD in Health and [Rehabilitation](#) Sciences accepted a new student in Spring 2013, bringing the total number of students in the program to 21.
- The BS in Health Sciences program will be offering 4 [courses](#) this summer to respond to the IU initiative to offer more summer courses to undergraduate students to assist in timely degree completion.

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

### **Platform Presentation**

- **Mary Beth Brown, PhD, PT, ATC and her "Bridges to Baccalaureate" student (T. Chingombe) presented their research findings at the state chapter of the American Physiological Society- Indiana Physiological Society (INPhys)- meeting at Ball State Univ. in February 2012.**
- **Van Puymbroeck, M., Schmid, A.A., & Miller, K. (2012). Improved Activity, Participation, and Quality of Life for Individuals with Chronic Stroke Following an 8-Week Yoga Intervention. International Research Congress on Integrative Medicine and Health, Portland, Oregon.**
- **Van Puymbroeck, M., Schmid, A.A., & Miller, K. (2012). Yoga is a Feasible Intervention for Veterans With Chronic Stroke. International Research Congress on Integrative Medicine and Health, Portland, Oregon.**
- **Schmid AA, Miller KK, Van Puymbroeck M, Dierks T, Altenburger P, Schalk N, Williams LS, DeBaun E, Damush T. Physical Improvements after Yoga for People with Chronic Stroke. American College of Sports Medicine. San Francisco, CA, 2012.**
- **Dierks T, Altenburger P, Miller KK, Schmid AA. The Effect Of Balance Exercise Therapy On Gait Parameters In Individuals With Chronic Stroke. American College of Sports Medicine. San Francisco, CA, 2012.**
- **Schmid AA, Van Puymbroeck, Altenburger P, Dierks T, Miller K, Schalk N, DeBaun E, Damush T, Williams L, Chagdes S, Dye L, Moore R, Racine L. Yoga-based rehabilitation intervention improves quality of life, activity, and participation. American Occupational Therapy Association, Indianapolis, IN, 2012.**
- **Schmid AA, Miller K, Altenburger P, Dierks T, Van Puymbroeck M. Balance confidence, a primary predictor of activity and participation after stroke. American Occupational Therapy Association, Indianapolis, IN, 2012.**

- **Peter Altenburger, PhD, PT provided a presentation to the VA Rehabilitation Hospital entitled: Clinical outcome measurement and intervention approaches for pusher syndrome and cerebral vascular deficits.**

## **Poster Presentations**

- **Cardinal RE, Altenburger PA, Krebs, HI, Dierks TA. Robotic task-specific training of the upper extremity in children with cerebral palsy. Combined Sections Meeting of the American Physical Therapy Association, Chicago, IL, February, 2012.**
- **Holtz BJ, Davey K, Bayliss AJ, Loghmani MT. A Conservative Manual Therapy Approach Using Instrument-Assisted Soft Tissue Mobilization for the Treatment of Bilateral Planter-Fasciitis: A Case Series. Combined Sections meeting of the American Physical Therapy Association, Feb 11th, 2012.**
- **Bradley J. Holtz, Katherine N. Davey, Nick Engleman, Christa Kaeser and Kathy Wood-Vossmer, Amy J. Bayliss, M. Terry Loghmani. A Conservative Manual Therapy Approach Using Instrument-Assisted Soft Tissue Mobilization For The Treatment of Bilateral Planter-Fasciitis: A Case Series. *INAPTA Central District Meeting*. Jan 17 2012**
- **J. Greg Clayton, Colleen R. McCracken, Amanda B. Gross, M. Terry Loghmani. Treatment of peroneal tendonitis and plantar fasciitis using instrument-assisted soft tissue mobilization: a case report. *INAPTA Central District Meeting*. Jan 17 2012.**
- **J. Greg Clayton, Colleen R. McCracken, Amanda B. Gross, M. Terry Loghmani. Treatment of peroneal tendonitis and plantar fasciitis using instrument-assisted soft tissue mobilization: a case report. *APTA Combined Sections Meeting*, Chicago. Feb. 11, 2012.**
- **Bradley J. Holtz, Katherine N. Davey, Nick Engleman, Christa Kaeser and Kathy Wood-Vossmer, Amy J. Bayliss, M. Terry Loghmani. A Conservative Manual Therapy Approach Using Instrument-Assisted Soft Tissue Mobilization For The Treatment of Bilateral Planter-Fasciitis: A Case Series. Third International Fascia Research**

## **Congress, Vancouver BC, Mar 28-Mar 30, 2012.**

### **National Activities**

- **The Department of Physical Therapy hosted an alumni reunion at the Combined Sections Meeting of the American Physical Therapy Association, Chicago, IL, February, 2012. Over 75 individuals were in attendance with alumni as far back as 1973.**

### **Regional/State Activities**

- **Seminar: Dierks TA. Riley Hospital for Children Robotic Rehabilitation Center at Indiana University Health. Rotary Club of Greenwood, IN. February 27, 2012.**

### **Publications**

- **Phipps MS, Schmid AA, Kapoor JR, Peixoto AJ, Williams LS, Bravata DM. Orthostatic Hypotension among Outpatients with Ischemic Stroke. *Journal of the Neurological Sciences*, 2012; 314, 62-65.**

### **Abstracts**

- **Cardinal RE, Altenburger PA, Krebs, HI, Dierks TA. Robotic task-specific training of the upper extremity in children with cerebral palsy. Combined Sections Meeting of the APTA, Chicago, IL, February, 2012.**
- **Brown MB. Effect of Treadmill Running on Cardiac and Skeletal Muscle Metabolism and Right Ventricular Inflammation in Rats with Monocrotaline-Induced Pulmonary Arterial Hypertension (PAH) Pulmonary Hypertension Association (PHA)'s 10th International PH Conference and Scientific Sessions.**

### **Grants**

- **Neumann, Wang, McDonald, and Schmid AA received \$33,000 from IU CBRAIN to conduct a study entitled: Stroke Self-Management: Effect on Function and Stroke Specific Quality of Life, February 2012.**
- **Wang, Neumann, McDonald, and Schmid AA received \$57,283 from IU CRG to conduct a study entitled: Neurological Mechanisms Underlying Affect Recognition Deficits after Brain Injury, Feb 2012.**
- **Loghmani, T, Altenburger,P; Bayliss, A; and Strunk, V received \$2500 from IUPUI Program Review and Assessment to conduct a study entitled: Assessment of an Integrative Longitudinal Case-based Learning Model as a Curriculum Strategy to Enhance Teaching and Learning- Phase 2.**
- **Loghmani T. received funding from the IU School of Health and Rehabilitation Science's (SHRS) Promoting External Applications for Research (PEAR) program to attend the Ida P. Rolf Research Foundation Research Training and Project Funding Symposium at the Third International Fascia Research Congress.**
- **Altenburger, P. received funding from IU School of Health and Rehabilitation Science's (SHRS) Promoting External Applications for Research (PEAR) program to purchase accelerometers to measure activity level and energy expenditure in children with cerebral palsy.**
- **Mushi-Brunt, C. was awarded funding from the Indiana University Collaborative Research Grants fund (IUCRG) to support the grant proposal "Integrating Clinical Data Systems with Social Context to Map Neighborhood Health".**

## **Civic Engagement**

- **Terry Loghmani, PhD, PT, MTC, CMT is spearheading efforts of the Department of Physical Therapy to involve students in an inter-professional healthcare clinic: Indiana University Student Outreach Clinic (IU-SOC).**
- **The Student Occupational Therapy Association (SOTA) performed the following community outreach efforts:**
  - **Several members traveled to Osgood, IN to assist with Tornado**

## **Relief efforts twice in March, 2012.**

- **Volunteered with Wheeler Mission to serve lunch in March 2012.**
- **Arlene Schmid, PhD, OTR, with the help of members of Pi Theta Epsilon, collected toiletries for homeless veterans in Indianapolis.**

## **External Awards and Appointments**

- **Loghmani MT, Bayliss A, Strunk V, Altenburger P. received the Feitelberg Journal Founders' Award for the paper "*Curriculum Strategy to Enhance Teaching and Learning*" published in the Journal of Physical Therapy Education in 2011.**
- **Amy Bayliss, PT, DPT was invited to be a reviewer for the Journal of Physical Therapy Education.**