



SCHOOL OF HEALTH AND REHABILITATION SCIENCES

INDIANA UNIVERSITY
IUPUI

Dean's Update

July-September, 2012

Teaching and Learning

- The Master of Physician Assistant Studies program received provisional accreditation in September and will enroll its first class in May, 2013.
- The Bachelor in Health Sciences has 288 students currently enrolled, exceeding projections for this program that admitted its first students in fall 2010.
- **Deborah Abel** was awarded the PhD in Health and Rehabilitation Sciences as a June 2012 graduate. She is the first graduate of this program and is currently employed as an academic specialist in the Dept. of Nutrition and Dietetics, SHRS.
- **Mary Beth Brown**, PhD, PT, ATC, and her student TJ Chingombe were featured in OVCR Research Enterprise and CRL Highlights.
- **Dr. Mary Beth Brown** participated in APTA's Faculty Development (3 day) workshop on June 21-24, 2012.

Research, Scholarship, and Creative Activity

Regional/State Activities

- **TJ Chingombe's** (undergraduate) platform presentation was selected for an IUPUI 2012 Research Day Award.
- **R. Gaidoo, TJ Chingombe, and J. Crist** presented posters at IUPUI Research Symposium in August 2012.
- Physical Therapy Faculty **Valerie Strunk**, MS, PT, and **Peter Altenburger**, PhD, PT, presented a poster at the 2012 IUPUI Center for Teaching and Learning Curriculum Enhancement Grant Symposium on September 27, 2012 titled *Curricular Enhancement through Integrated Clinical Education*.

National Activities

- **Peter Altenburger**, PhD, PT, and **Ryan Cardinal**, DPT, assisted with the development of webcasts for the American Physical Therapy Association on Robot-mediated interventions.

- **Mary Beth Brown**, PhD, PT, ATC, presented research (poster) on acute exercise in pulmonary arterial hypertension at the American Thoracic Society Annual Meeting in San Francisco, California. Dr. Brown also chaired a symposium on intravital lung imaging.
- **Brown, MB.** EFFECT OF TREADMILL RUNNING ON CARDIAC AND SKELETAL MUSCLE METABOLISM AND RIGHT VENTRICULAR INFLAMMATION IN RATS WITH MONOCROTALINE-INDUCED PULMONARY ARTERIAL HYPERTENSION. 10th International PH Conference and Scientific Sessions, Orlando, Florida.

Grants

- **Mary Beth Brown**, PhD, PT, ATC, received \$35,000 for collaborative project Evaluation of Efficacy and Mechanisms of Exercise Training as Therapy for Hypoxia-induced Pulmonary Hypertension in Rats from RSFG.
- **Mary Beth Brown**, PhD, PT, ATC, received \$7,000 for use of imaging core to develop a technique for 'Ex vivo 2-photon imaging of living sweat glands in fresh human skin biopsies' from CTSI's Pilot Funding for Research Use of Core Facilities.
- Gilead PAH Research Scholars Program in PAH (\$65K/yr for 2yrs) awarded to collaborator T. Lahm (IU SOM) with **Mary Beth Brown**, PhD, PT, ATC, as co-investigator.
- **CJ Liu**, PhD, OTR, is serving as Co-Investigator. *Palliative Pilot Grant for Physical Activity in Advanced Cancer Patients (2012-2013)*. **Center for Hospice, Palliative Care and End-of-Life Studies of the University of South Florida**. PI: Dr. Hsiao-Lan Wang. \$15,000.
- **Arlene Schmid**, PhD, OTR, is serving as Co-Investigator for the Department of Veterans Affairs, QUERI: Stroke Self-Management: Effect on Function and Stroke Specific Quality of Life. \$1,049,056.53 awarded over 4 years (2012-2016).

Publications

- Schmid AA, Van Puymbroeck M, **Altenburger PA, Dierks TA, Miller KK**, Damush TM, Williams LS. Balance and balance self-efficacy are associated with activity and participation after stroke: a cross-sectional study in people with chronic stroke. *Archives of Physical Medicine and Rehabilitation*, 2012; 93(6):1101-1107.
- Combs SA, Van Puymbroeck M, **Altenburger PA, Miller KK, Dierks TA**, Schmid AA. Is walking faster or walking farther more important to persons with chronic stroke? *Disability and Rehabilitation*, 2012; doi:10.3109/09638288.2012.717575.
- Schmid AA, Van Puymbroeck M, **Altenburger PA**, Schalk NL, Dierks TA, Miller KK, Damush TM, Bravata DM, Williams LS. Poststroke balance improves with yoga: a pilot study. *Stroke*, 2012;43:2402-2407.
- **Liu, C.-J.**, & Rawl, S. (2012). Effects of text cohesion on comprehension and retention of colorectal cancer screening information: A preliminary study.

(Peer-reviewed journal article). *Journal of Health Communication*, 17, 222-240.

- **Schmid AA**, Van Puymbroeck M, Altenburger PA, Schalk NL, Dierks TA, Miller KK*, Damush TM, Bravata DM, Williams LS. Post-stroke Balance Improves with Yoga: A Randomized Pilot Study. *Stroke*, 2012; 43 (9): 2402-2407. (<http://stroke.ahajournals.org/content/early/2012/07/24/STROKEAHA.112.658211.full.pdf?ijkey=rTKQzKclzKkLzNx&keytype=ref>)
This paper had extensive national and international media coverage – including being a top 10 highlighted story on the Time Magazine Website.
- Page S, **Schmid AA**, Harris J. Defining Parameters in Stroke Motor Rehabilitation: Recommendations from the ACRM Stroke Movement Interventions Subcommittee. *Archives of Physical Medicine and Rehabilitation*, 2012; 93 (8): 1395-1399.
- Callahan CM, Boustani MA, **Schmid AA**, Austrom MG, Miller DK, Gao S, Morris CS, Vogel M, Hendrie HC. Alzheimer’s Disease Multiple Intervention Trial (ADMIT): A randomized clinical trial to prevent functional decline. *Trials*, 2012; 13 (1): 92 (epub ahead of print).
- Sussmilch-Leitch SP, Bialocerkowski AE, **Warden SJ**, Collins NJ, Crossley KM: Physical therapies for Achilles tendinopathy: systematic review and meta-analysis. *Journal of Foot and Ankle Research* 2012;5:15

Civic Engagement

- The Burmese American Community Institute (BACI) has appointed **Fengyi Kuo**, DHS, OTR, CPRP, Board of Director and program developer to implement a home based childcare microenterprise employment project for the Burmese community in Indianapolis, funded by the Office for Refugee Resettlement (ORR) in the amount of \$134,000 over two years.
- Physical Therapy students developed a comprehensive approach to integrating a Physical Therapy student led clinic within the IU School of Medicine Student Outreach Clinic (SOC). The Physical Therapy students are being mentored by **Terry Loghmani**, PhD, PT, MTC, CMT. The clinic is set to open October 2012.
- **Stuart Warden**, PhD, PT, FACSM, was quoted in the *Chicago Tribune* on the inappropriate prophylactic use of anti-inflammatory drugs in recreational athletes.

Diversity

- The SHRS Diversity Committee held a workshop for faculty, staff and students entitled “Promoting Cultural Competency in Health Professionals” on August 28, 2012. Antoniette Holt, MPH, Director for the Office of Minority Health, Indiana Department of Health presented.

Best Practices

- **Chiung-Ju Liu**, PhD, OTR, served as a reviewer for the Occupational Therapy Practice Guidelines for Older Adults with Low Vision, currently in press by the American Occupational Therapy Association (AOTA).

External Awards and Appointments

- **Austin Agho**, PhD, has been appointed to the Institution Action Council of the Higher Learning Commission of the North Central Association.
- **Arlene Schmid**, PhD, OTR, was recently appointed Co-Implementation Research coordinator VA Stroke QUERI, Roudebush Veteran's Administration Medical Center, Indianapolis, IN
- **Stuart Warden**, PhD, PT, FACSM, has been appointed to the Exercise and Rehabilitation Advisory Council of the National Osteoporosis Foundation.