



SCHOOL OF HEALTH AND REHABILITATION SCIENCES

INDIANA UNIVERSITY
IUPUI

Dean's Update

October-December, 2011

Teaching and Learning

- The educational session proposed by **Mary Beth Brown**, PhD, PT, ATC, for the May American Thoracic Society was accepted.
- Faculty and students attended the IU School of Health and Rehabilitation Sciences' First Interdisciplinary Research Conference on Saturday, November 12, 2011.
- **Chandra Yancey** completed the requirements for the Master of Science in Nutrition & Dietetics.

Research, Scholarship, and Creative Activity

- **Judith Ernst**, D.M.Sc., RD, received the SHRS Distinguished Alumni Award in November.

Abstracts

- **Schmid, A.A.**, Van Puymbroeck, M., **Altenburger, P.**, **Dierks, T.**, **Miller, K.**, Schalk, N., Damush, T., **Crabtree, J. L.**, Newmann, D., & Williams, L. (2011). Eight-week yoga intervention improves quality of life, activity, and social participation after stroke. *Archives of Physical Medicine and Rehabilitation*, 92(10), p. 1713-1714.

Electronic Publications

- **Liu, C.-J.**, *Brost, M. A., *Horton, V. E., *Kenyon, S. B., & *Mears, K. E (November 2011). *What is the effectiveness of interventions within the scope of occupational therapy to maintain, restore, and improve performance in activities of daily living (ADLs) and instrumental activities of daily living (IADLs) within the home for older adults with low vision?* On the AOTA website under the category of evidence-based practice & research as a critical appraisal paper.

Manuscripts

- **Kelton GM**, Sevilla J. Collaboration on the construction of a clinical site for global health experiences (abstract). *The American Journal of Tropical Medicine and Hygiene*, vol 85, no 6, supplement p 334, December 2011.

- Culvenor AG, Cook JL, **Warden SJ**, Crossley KM: Infrapatellar fat pad size, but not patellar alignment, is associated with patellar tendinopathy. *Scandinavian Journal of Medicine and Science in Sports* 2011;21:e405-11
- **Brown, MB**, McCarty, N, Millard-Stafford, M. High sweat [Na+] in cystic fibrosis and healthy individuals does not diminish thirst during exercise in the heat. *American Journal of Physiology-Regulatory, Integrative, and Comparative Physiology* 2011 Oct; 301(4):R1177-85.
- Schweitzer KS, Hatoum H, **Brown MB**, Gupta M, Justice MJ, Beteck B, Van Demark MJ, Gu Y, Presson RG Jr, Hubbard WC, Petrache I. Mechanisms of lung endothelial barrier disruption induced by cigarette smoke: role of oxidative stress and ceramides. *Am J Physiol Lung Cell Mol Physiol*. 2011
- Gardner-Harbeck, J. & **Fisher, T.F.** (2011). Computer workstation analysis: A case study of an occupational therapy intervention. *WORK: A Journal of Prevention, Assessment and Rehabilitation*. 40(4), 369-375.
- **Schmid, A.A., Altenburger, P., Dierks, T., Van Puymbroeck, M., Schalk, N., Miller, K., Williams, L. & Damush, T.** (2011). Yoga improves balance and balance confidence after stroke. *Archives of Physical Medicine and Rehabilitation*, 92(10), p. 1713.
- Two OT students (Amanda Linck and Heidi Moser) were featured in "The Community Corner" newsletter of the Indianapolis Re-entry Educational Facility (IREF). Amanda and Heidi facilitated a life skills group at the Indianapolis Re-entry Educational Facility.
- **Scott, P.J.**, (2011) Occupational Therapy to enable liver patients to thrive following transplantation. *Occupational Therapy in Health Care* 24(4)
- **Scott, PJ, Altenburger, PA, & Kean J. A.**, (2011). Collaborative teaching strategy for enhancing learning of evidence-based clinical decision-making. *Journal of Allied Health* 40(3), 120-127

Grants

- **Terry Loghmani**, PhD, PT, MTC, CMT, **Peter Altenburger**, PhD, PT, **Amy Bayliss**, PT, DPT, **Valerie Strunk**, MS, PT: PRAC grant (\$2500) to support second phase of Integrated Longitudinal Case-Based Learning model.
- **Stuart Warden**, PhD, PT, FACSM, was awarded \$20,000 from the Indiana CTSI for his project: "Refinement and accuracy of a device to quantify the number and hardness of baseball throws".
- **Mary Beth Brown**, PhD, PT, ATC, was awarded \$7,000 from IUPUI for "Research Use of Core Facilities".

Presentations

- **Schmid, A.A., Altenburger, P., Dierks, T., Van Puymbroeck, M., Schalk, N., Miller, K., Williams, L. & Damush, T.** Yoga improves balance and balance confidence after stroke. American Congress of Rehabilitation Medicine, Atlanta, GA, October, 2011.
- Valerie Strunk, MS, PT, and class 2014 student Lora Dingleline have been accepted to present a poster at the 2012 EC Moore Symposium titled, "A

Review of the Literature Investigating the Impact of Integrated Clinical Education on Student Learning Outcomes”.

- **Fengyi Kuo, DHS, OTR, CPRP**, and 2nd year student, Jessica Johnson presented “Building Self-Efficacy through a Life Skills Program for Adolescent Burmese Refugees Resettled in central Indiana” at the 3rd Bi-annual Celebration of Scholarship Conference at Shawnee State University in Ohio on November 11-12, 2011.
- **Amy Bayliss, PT, DPT**, presented a pro-bono in-service to the outpatient physical therapy staff at Roudebush VA Medical Center on “Evidence based assessment and treatment for the Sacroiliac Joint”.
- Dr. Brown’s student Tsungai Chingombe presented research at the Regional American College of Sports Medicine.
- **Debbie Abel, MS, RD**, gave an invited presentation “Malnutrition, Micronutrient Deficiency and the Relationship to Perinatal Infection” at the National Perinatal Association Conference in Louisville, KY on October 20. She was also featured at the preconference session on human milk. The title of her session was “Human Milk: the Best Medicine for Preterm Infants—Do We Need Fortification?”
- **Sara Blackburn, D.Sc., RD**, presented the opening session at the Indiana Senior Hunger Summit on November 2, 2011. The Summit was sponsored by the EAT Coalition, an initiative of the Central Indiana Senior Fund. Dr. Blackburn’s topic was “The Consequences of Poor Nutrition and Hunger on our Senior Population”.
- **Liu, C.-J.**, & Rawl, S. M. (November 2011). *What do older adults understand and remember after reading colorectal cancer prevention information?* The 63rd annual scientific meeting of the Gerontological Society of America, Boston, MA.
- **Liu, C.-J.**, William, A., Kinder, J., & Wilson, A. (November 2011). *Factors related to understanding a 3D diabetes education video: What matters?* Indiana University of Health and Rehabilitation Sciences First Interdisciplinary Research Conference. Indianapolis, IN.
- **Liu, C.-J.**, William, A., Kinder, J., & Wilson, A. (October 2011). *Factors related to understanding a 3D diabetes education video: What matters?* Health Literacy Annual Research Conference. Chicago, IL.
- **Liu, C.-J.**, Brost, M, Horton, V, Mears, K, & Kenyon, S (November 2011). *Low vision rehabilitation for older adults: Review and recommendations. Evidence review of the effect of low vision rehabilitation on improving dependence in daily activities for older adults.* The 63rd annual scientific meeting of the Gerontological Society of America, Boston, MA.
- Wang, H., Mikesky, A., Weaver, M. T., Bunnell, K., **Liu, C.-J.**, Mente, M., Tseng, H., & Rawl, S. M. (October 2011). *Physical Activity Among Head and Neck Cancer Survivors: A Trainer Tailored Wii Fit Intervention.* The Midwestern Conference on Health Games 2011, Indianapolis, IN.
- Wells, J. & **Crabtree, J. L.** “Doctoral Entry for Occupational Therapists: Is This the Time? OOTA Conference October 14-15, 2011”

Civic Engagement

- Faculty and Students participated in PT Month activities (Oct. 2011), including the walk/run, food drive and health fair.
- **Amy Bayliss**, PT, DPT, was interviewed by “Bottom Line Health” (Sept. 2011) on the use of foam rollers to support musculoskeletal health.
- Student Occupational Therapy Association (SOTA) students and faculty participated in the 2011 Alzheimer's Memory Walk. SOTA raised \$1015.60 for Alzheimer's Association.
- IU Occupational Therapy students held a canned food drive for Gleaner's Food Bank just before Thanksgiving. They collected a total of 806 items. There was a friendly competition between the first year students, second year students, and the faculty. The first year students won.

Best Practices

- **Patricia Scott**, PhD, MPH, OT, FAOTA, with OT students (James Faul, Kristi Kramer, Megan Fernung, and Liz Stollemyer) worked with occupational therapists at Wishard hospital (Oct.-Nov. 2011) to establish the use of outcome data to inform practice.
- On Dec. 12, 2011, the Physical Therapy students presented evidence based critical reviews for clinical questions posed by Indiana University Health Outpatient Physical Therapists. The student platform presentations were given to approximately 30 clinicians.

External Awards and Appointments

- **Terry Loghmani**, PhD, PT, MTC, CMT, secured donation of a set of instruments used for instruments-assisted soft tissue mobilization from a local company [Graston Technique®, TherapyCare Resources](\$2750) to support ongoing research on this form of manual therapy examination and intervention.
- **Mary Beth Brown**, PhD, PT, ATC, won the award for “Best Research Presentation” for her presentation *Bridges to Baccalaureate student (Tsungai Chingombe) from Zimbabwe* at the regional ACSM conference on Oct. 28, 2011.
- **Arlene Schmid**, PhD, OTR, (first author), **Tracy Dierks**, PhD, and **Peter Altenburger**, PhD, PT, were awarded Best Poster at the American Congress of Rehabilitation Medicine conference. The abstract is published in the Archives of Physical Medicine and Rehabilitation, 2011;92(10):1713.