

Dean's Update

October - December 2010

Student Activities/Accomplishments:

- On October 17, 2010 twenty 2nd year Occupational Therapy students, 15 1st year Occupational Therapy students, and 3 Occupational Therapy faculty members participated in the 2010 Memory Walk on the IUPUI campus.
- The Pi Theta Epsilon Honor Society facilitated the IU Occupational Therapy Department collecting 549 non-perishable food items this November during their annual food drive for Gleaners Food Bank in Indianapolis. Gleaners Food Bank has supplied over 230 million pounds of food to Hunger Relief Charities since 1980.
- The Pi Theta Epsilon Occupational Therapy Honor Society organized collected gifts for the Annual Adopt-A-Family. The family was identified by Midtown Mental Health. Thanks to everyone's generosity, a family had a wonderful Christmas.
- Occupational Therapy students volunteered at a Pink Paddle Party raising money for a breast cancer dragon boat paddling group-a group activity to enhance recovery after breast cancer. A dragon boat is a long slender boat paddled by 20 paddlers working in unison to the beat of a drummer.
- Physical Therapy Students attended and participated in the Fall Meeting for the Indiana Chapter of the APTA.
- The Physical Therapy [classes](#) of 2011, 2012, and 2013 participated in the Department's admission interview day. Student support was instrumental in the success of the interview process.

Student Research Presentations

- **Greg Clayton** (Class of 2012) participated in a poster presentation at the fall meeting of the Indiana chapter of the APTA (INAPTA).
- Recent graduates **Frank Klene**, DPT; **Evelina Gundeck**, DPT were co-authors in a submitted article focusing on the treatment of post-natal calf pain using instrument assisted soft tissue mobilization.
- **Becky Phipps**, DPT Class of 2012, was nominated for the Mary McMillian APTA National [Scholarship](#) through the American Physical Therapy Association.
- **Kathy Vossmer**, DPT Class of 2011, was presented with her [student scholarship](#) award at the fall conference of the INAPTA.
- **Becky Phipps**, DPT Class of 2012, was nominated for the Gary L. Soderberg DPT Scholarship through the Doctor of Physical Therapy Visionary Foundation.

Faculty Activities/Accomplishments:

International Activities

- **Kuo, F**, OTR, CPRP, Elected delegate of 2010-2011 to represent the Pan-Pacific & South-East Asia Women's Association (PPSEAWA) of Taiwan, ROC for its participation at the United Nations' 55th session of Commission on the Status of Women in 2011. The Conference is taking place at the United Nations' Headquarter in NYC from February 22nd to March 4th, 2011.
- **Kuo, F.** (2011). *Natural Disaster and Global Mental Health Action Plan: Lessons Learned from Harvard Program in Refugee Trauma*. Workshop presented to the Departments of Psychiatry, [Nursing](#), and Psychology at Tzu Chi Memorial Hospital, Hualien, Taiwan on January 3rd, 2011.
- **Kuo, F.**, & Long, S. (2010). *International Health and Community Practice*. Workshop presented to the Department of Occupational Therapy at Kaohsiung Medical University, Kaohsiung, Taiwan, December 31st, 2010.
- **Kuo, F.** (2011). *Natural Disaster and Global Mental Health Action Plan: Lessons Learned from Harvard Program in Refugee Trauma*. Workshop presented to the Departments of Psychiatry, Occupational Therapy and

Psychology at Linkou Chang Gung Memorial Hospital and Chang Gung University, Taoyuan, Taiwan, December 28th, 2010.

- **Kuo, F.** (2010). *OT's Roles in Disaster Recovery*. Panel discussion presented to Taipei City Psychiatric Hospital, Taipei, Taiwan, December 28th, 2010.
- **Kuo, F.** (2010). *OT's Roles in Disaster Recovery & Global Mental Health Action Plan*. Workshop presented to Kaohsiung Occupational Therapy Association, Kaohsiung, Taiwan, December 25th, 2010.
- **MacKinnon J.** Evidenced based practice. Workshop for faculty at the Central University of Technology (CUT), Bloemfontein, South Africa, November 4, 2010.
- **MacKinnon J.** Vietnam veterans with combat related amputations: forty years of reflection. Presentation for Prestige Research Day, Central University of Technology (CUT), Bloemfontein, South Africa, November 3, 2010.
- **MacKinnon J.** Graduate attributes: the IUPUI perspective. Lecture for faculty at the Central University of Technology (CUT), Bloemfontein, South Africa, November 2, 2010.
- Wilson S, **MacKinnon J**, Sothmann M. The Indiana-Ohio Center for Traumatic Amputation Rehabilitation Research: A model for wounded warrior research. Presentation at the Association of Schools of Allied Health Professions 2010 Annual Conference, Charlotte, NC, October 21, 2010.

National Activities

- Dr. Kuo has been accepted as an item writer for the NBCOT exam.
- Dr. Warden was awarded Top Reviewer 2009-10 for *Bone*, Elsevier Inc.
- Dr. Bayliss received an Outstanding Service Award from the Federation of State Boards of Physical Therapy, October, 2010
- Prof. Strunk was awarded the Emerging Leader award at the Fall INAPTA Conference.
- Dr. Dierks provided interviews to various online resources (ConsumerAffairs.com, Chicago Tribune, Martha Stewart Living Magazine, Triathlete Magazine, MORE Magazine, SELF Magazine) for stories regarding how running with normal levels of fatigue effects mechanics and the impact of hip strengthening on female runners with patellofemoral pain syndrome.
- Professor Strunk successfully co-taught her first Clinical Instructor Credentialing and Education course through the APTA on November 18 and 19, 2010. The course was co-sponsored by the Departments of Physical Therapy at IU and U Indy, and was attended by 45 clinical educators representing Physical and Occupational Therapy from clinical sites in Indiana, Illinois, and Ohio.

Community Engagement

- **Blackburn, S.** Was invited by Dr. Marian Pfefferkorn (Riley pediatrician) to present "Diet and Nutrition During the Holiday Season: Tips to Minimize and Cope with Flares"; a patient education event sponsored the Crohn's and Colitis Foundation in Indiana, December 3, 2010.
- Physical Therapy students organized and implemented the following community engagement activities under the direction and supervision of Dr. Amy Bayliss:
 - Conducted a weekly run/walk program on campus, gathered and donated over 250 food items to a local food bank.
 - Organized a series of presentations to undergraduate students and academic advisors to highlight physical therapy as a career.
 - Participated in IUPUI Health Fair to teach balance exercises and perform Wii Fit balance tests.
 - Dr. Altenburger had students from P645 Evidence Based Critical Inquiry provided evidence summaries in poster format to Rehabilitation Hospital of Indiana (RHI) therapist as a final project for the course. The joint venture with RHI groups students with practicing clinicians in an attempt to answer evidence-based clinical questions.
 - Dr. Loghmani provided a presentation on instrumented soft tissue mobilization to therapists at the Veterans Administration Hospital.
 - Dr. Dierks provided a questions-answer forum for students regarding research in physical therapy and the field of physical therapy as a graduate program for the Minority Association for Pre-Medical Students.
 - Professor Pape presented to the Purdue OT/PT Club in October.

- Dr. Fisher presented to the IUPUI OT/PT Club in November.

Publications

Peer-reviewed Publications

- **Schmid AA**, Andersen J, Kent T, Williams L, Damush T. Using Intervention Mapping to Develop and Adapt a Secondary Stroke Prevention Program in Veterans Health Administration Medical Centers. *Implementation Science*, 2010 December, 15, 5 (1): 97 (Epub ahead of print).
- **Schmid AA**, Wells C, Concato J, Dallas M, Lo A, MD, Nadeau S, Williams L, Peixoto A, Gorman M, Boice J, Struve F, McClain V, Bravata D. The prevalence, predictors, and outcomes of post-stroke falls in acute hospital setting. *Journal of Rehabilitation Research and Development*, 2010, 47 (6): 553-562.
 - Schmid AA, Van Puymbroeck M, Schalk N. Yoga and balance in older adults. *Lower Extremity*. 2010; 2 (11): 39-43. <http://www.lowerextremityreview.com/article/yoga-helps-target-falls-fears-in-older-patients>.
- **Amy J. Bayliss, DPT**; Frank Klene, DPT; Evelina Gundek, DPT; and **M Terry Loghmani, PhD, PT** Treatment of a patient with post-natal chronic calf pain utilizing instrument-assisted soft tissue mobilization. *Journal of Manual & Manipulative Therapy*
- **Dr. Loghmani** submitted proposal to Jones & Bartlett for publication, “The Family Tree: A Case Series for Integrated, Longitudinal Case-Based Learning”
- **Dierks TA**, Davis IS, Hamill J. The effects of running in an exerted state on lower extremity kinematics and joint timing. *Journal of Biomechanics*, 2010;43:2993-2998.
- **Dierks TA**, Manal KT, Hamill J, Davis I. Lower extremity kinematics in runners with patellofemoral pain during a prolonged run. *Medicine and Science in Sports and Exercise*, 2010; in-press.
- Morrison K, Hudson D, Davis I, Richards J, Royer T, **Dierks T**, Kaminski T. Plantar pressure distributions during a running gait in subjects with chronic ankle instability, *Foot & Ankle International*, 2010; in-press.

Abstracts

- **Dierks TA, Phipps RL**, Cardinal R, **Altenburger PA**. The Effect Of Hip Muscle Strengthening On Pain and Running Mechanics In Females With Patellofemoral Pain. American College of Sports Medicine 58th Annual Meeting, Denver, CO. (Submitted)
- **Schmid AA**, Gerwig AN, Miller KK, Schalk N, Van Puymbroeck M, **Altenburger PA, Dierks TA**. Yoga for Veterans with Stroke: Balance and Endurance Improves. American College of Sports Medicine 58th Annual Meeting, Denver, CO. (Submitted)
- **Schmid AA**, Forrestal B, Goodloe T, Mastny K, Steiner K, **Dierks TA**. Anxiety and depression in people with chronic stroke and the influence on social participation. 91st Annual Conference and Expo of the American Occupational Therapy Association, Philadelphia, PA. 2010. (Submitted)
- Strandberg S, Crozier T, Heighway J, Gregory Z, Barnes A, **Dierks T, Bayliss A**. The relationship between Wii Fit age and self-reported physical activity level in older adults. Indiana Chapter of the American Physical Therapy Association Annual Conference, Indianapolis, IN. 2010. (Accepted)
- **Strunk V**. “The Specialty Clinical Elective: A Model for Objective-Driven Mentorship in Specialized Physical Therapy Practice”. American Physical Therapy Association’s National Conference in National Harbor, Maryland, in June.

Presentations

- **Fess, E., Fisher, T.**, Bruckman, S., Burch, A., Ellis, K., & Pointer, E. (2010). Efficacy of Semmes-Weinstein monofilaments in testing individuals with diabetes: with emphasis on hand and upper extremity. Paper presented at the American Society for Surgery of the Hand, 65th Annual Meeting, Boston, MA.
- **Fisher, T. F.** & Keck, S. (November, 2010). Continuing Competency Requirements for Licensure of Occupational Therapy Practitioners in Indiana. IOTA, Inc. Annual Fall Conference, University of Indianapolis, Indianapolis, IN.
- **Liu, C.-J.**, LaValley, M., & Latham, N (November, 2010). Do unblinded assessors bias muscle strength

- outcomes in randomized controlled trials of progressive resistance strength training in older adults? The 62th annual scientific meeting of the Gerontological Society of America, New Orleans, LA.
- **Scott, P.** (2010) Evidence based rehabilitation as different from evidence based rehabilitation: Ways to make it work. Indiana Occupational Therapy Association Annual Conference, Nov 6, (invited)
 - **M. Terry Loghmani PhD, PT, Amy Bayliss DPT**, Greg Clayton, SPT, Evelina Gundeck DPT Treatment of Guitarist With a Finger Joint Sprain Using Instrument-Assisted Soft Tissue Mobilization: A Case Study. INAPTA State Meeting
 - **M. Terry Loghmani PhD.** Instrumented-Assisted Soft Tissue Mobilization. VA Hospital
 - **Dierks TA, Bayliss AJ.** The relationship between Wii fit age and self reported physical activity level in older adults. Midwestern Conference on Health Games, Indianapolis, IN (2010). (Invited presentation)
 - Cardinal RE, **Altenburger PA**, Krebs HI, **Dierks TA.** Robot-mediated task-specific training in children with cerebral palsy. Midwestern Conference on Health Games, Indianapolis, IN (2010). (Invited presentation)

Research/Grants

- Supplemental Award “Increasing Animal Foods in Diets of HIV Infected Women and Their Children” \$540,000 from National Institutes of Health for the period August 2010-July 2012. **Judith Ernst** (PI) IUPUI, Lindsay Allen USDA, ARS, WHNRC, Grace Etyyang MOI University, Charlotte Neumann UCLA, Duncan Ngare, Winstone Nyandiko and Abraham Siika all of Moi University. The supplemental award brings the Year 3 funding for the project to a grand total of \$874,588.

Other Scholarly/Service Activities

- Arlene Schmid was named a Regenstrief Investigator. She is the only OT in this internationally known research institute.

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