



SCHOOL OF HEALTH AND REHABILITATION SCIENCES

INDIANA UNIVERSITY
IUPUI

Dean's Update

April – June, 2011

Student Activities/Accomplishments:

- The School celebrated Commencement on Sunday, May 15th.

Regional/local Presentations

- The April Issue of *IU Health Matters*, showcased the contributions of three dietetic interns **Faith Brickner**, **Kathryn Hanson** and **Kate Juergens** in the development of “Tasty, healthy items on the menu at IU Health cafeterias”. Faith, Kathryn and Kate worked closely with Executive Chef Kelly Kimpton on the project.
- **Cardinal R**, Altenburger P, Krebs H, Dierks. Robotic task-specific training of the upper extremity in children with cerebral palsy. Poster presentation at IUPUI Research Day. April 8, 2011 (R Cardinal is a SHRS PhD student)
- **Phipps R**, Carney S, Loghmani MT, Bayliss AJ. An innovative manual therapy approach for the treatment of patients with Achilles Tendinopathy: a case series. *Poster presentation at IUPUI Research Day.*
- 16 OT students and 2 faculty members participated in the recent Spinal Cord Injury (SCI) Hope Event.

Civic/Community Engagement

- Several OT students along with Dr. Arlene Schmid organized the ‘Take Care’ veterans hygiene drive in April. Personal hygiene items were collected and distributed to homeless veterans and their families.
- Seven OT students along with Professor Pape provided lunch for approximately 25 patients and their families at the Riley Ronald McDonald House.
- Several OT students ran in the Race for the Cure on April 21st.
- Ten OT students attended the AOTA Conference with four presenting with faculty.

Publications

- Ang D, **Moore M**, Hilligoss J, Tabbey R. MCP-1 and IL-8 as pain biomarkers in fibromyalgia: a pilot study. *Pain Medicine* 2011. June 30, 2011, Wiley Online Library. (M Moore is a SHRS PhD student)
- Bayliss AJ, **Klene F**, **Gundeck E**, Loghmani MT. Treatment of a patient with post-natal chronic calf pain utilizing instrument-assisted soft tissue mobilization. *Journal of Manual & Manipulative Therapy*. 19(3) 2011.
- Holtz BJ, Davey KN, Engleman N, Kaeser C, **Wood-Vossmer 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. *The Edge*. Spring, 2011 (3).

Faculty Activities/Accomplishments:

- **Dr. Terry Loghmani** served as expert consultant for an article in a web-based publication: Pain Does Not Equal Gain: Random Bruising Not Required, Change in Approach is Needed: *Loghmani*, Shakar Set the Record Straight; Instructor and Clinician Assistance Needed. *The EDGE*. Spring Edition (May 17, 2011). She was also acknowledged as “original GT Instructor” in an original article for *The EDGE*. Spring Edition entitled “Bruising, Pain Not Expected, Not Necessary. (May 17, 2011).
- **Dr. Mary Beth Brown** provide the cover art for the *American Journal of Physiology- Regulatory, Comparative, and Integrative Physiology*
- **Dr. Stuart Warden** was awarded a Research Frontiers Trailblazer Award by the Office of Vice Chancellor for Research, Indiana University–Purdue University Indianapolis at the IUPUI Research Day on April 8th.
- In June, the department of Occupational Therapy sent their Self Study to the Accreditation Council for Occupational Therapy Education in preparation of the on-site visit in September.
- **Drs. Fisher, Schmid, Liu, Justiss** and **Kuo** presented at the Annual AOTA Conference in Philadelphia in April.
- **Dr. Thomas Fisher** was appointed by the AOTA President to Chair a special Ad Hoc Committee of the AOTA Board of Directors focused on the “Future of OT Education”.
- **Dr. Thomas Fisher** and other OTs enjoyed the opportunity of the Governor signing HB 1233, licensing OT Assistants in Indiana on May 10, 2011.

International Activities

- Poster Presentation: **Bayliss A, Strunk V**. Measurement of empathy changes during a physical therapist’s education and relationship to gender. World Physical Therapy Congress, Amsterdam, Holland, June 21st, 2011.

- 58th Annual Meeting of the American College of Sports Medicine and 2nd World Congress on Exercise is Medicine.
 - Podium presentation: **Dierks TA**, Phipps RL, Cardinal RE, **Altenburger PA**. The effect of hip muscle strengthening on pain and running mechanics in females with patellofemoral pain. *Medicine and Science in Sports and Exercise*, 2011; 43(5):S65.
- Poster presentation: Schmid AA, Gerwig AN, Miller KK, Schalk N, Van Puymbroeck M, **Altenburger P**, **Dierks T**. Preliminary evidence of yoga on balance and endurance outcomes for veterans with stroke.
- **Dr. Judy Ernst** returned to Kenya in June to continue work on her project “Increasing Animal Foods in Diets of HIV Infected Women and Their Children”. Dr. Ernst’s research partners include Lindsay Allen USDA, ARS, WHNRC, Grace Etyang MOI University, Charlotte Neumann UCLA, Duncan Ngare, Winstone Nyandiko and Abraham Siika all of Moi University.
- Hesta Friedrich-Nel, PhD, Associate Professor at the Central University of Technology, Bloemfontein, South Africa was hosted by the SHRS and the IUPUI Graduate Office from February-June 2011. The focus of her research was on the structure of graduate education in the United States.
- **Gaylen Kelton**, MD, Program Director, MPAS, participated in scholarly exchange at three symposia in China from April 26-29, 2011. He lectured on various topics to include women’s health.
- **Dr. Fengyi Kuo** was a Faculty facilitator for the Sino-NMA Curriculum Development Project to provide training to OT educators in China. The curriculum is developed by Norwegian Mission Alliance (NMA) and Chinese Association of Rehabilitation Medicine (CARM) with support from the World Federation of Occupational Therapists (WFOT) and the World Health Organization (WHO) (May – July, 2011).

National Activities

- Poster Presentations: Schmid AA, Forestal B, Goodloe T, Mastny K, Steiner K, **Dierks TA**, **Altenburger P**, Van Puymbroeck M. Emotions negatively impact activity and participation in people with chronic stroke. Annual Meeting of the AOTA, Philadelphia, PA, April 2011.
- Platform Presentation: **Brown, MB**. ‘Microvasculature inflammatory responses to cigarette smoke and ceramide in the intact rat assessed with intravital two-photon microscopy. The American Thoracic Society Annual Meeting, Denver, CO.
- The Master of Physician Assistant Studies, under the leadership of **Gaylen Kelton**, MD, program director, had its site visit May 16, 17, 2011 for provisional accreditation by the Accreditation Review Commission on Education for the Physician Assistant. Results of the review should be received in September.
- **Dr. Fengyi Kuo** completed her *Item Writer* for the National Board for Certification in Occupational Therapy, Inc. (NBCOT) (10/2010 – 05/2011)

Regional/State Activities

- **Dr. Loghmani** served as one of 3 Indiana APTA representatives for OT state practice act negotiations which came to a successful conclusion this quarter.

Community Engagement

- **Dr Altenburger** provided an invited presentation to the IU Geriatrics Conference on “Impact of Exercise on Falls and Risk of Falling in Older Adults” June 29, 2011.
- **Dr. Dierks** provided a clinical in-service to Hendricks Regional Health. The topic was biomechanics of runners with patellofemoral pain: Current research and future directions. April 14, 2011.
- **Gaylen Kelton, MD**, Program Director MSPA, attended the Indiana Rural Health Association Annual Meeting and presented information on the MPAS program.
- **Dr. Fisher** is working with Indiana Medicaid Division to expand OT coverage.
- **Kuo, Fengyi**, DHS, OTR, CPRP: Complete and receive Mastery Certificate in Global Mental Health through the Harvard Program in Refugee Trauma (HPRT), the Harvard Division of Continuing Medical Education, Massachusetts General Hospital (MGH) and Istituto Superiore di Sanita, Ministry of Health of Italy. (*training completion on May 15, 2011*)
- **Kuo, Fengyi**, DHS, OTR, CPRP: Invited workshop presentation to the Burmese Community Center for Education at First Baptist Church, Indianapolis, IN on June 18th. “*Preventing Work Related Injuries and Promoting Wellness for Adults and Parents*” and “*Physical & Mental Health Awareness for Adolescents and Adults respectively*”

Publications

- **Brown MB**. Photon Imaging within the Murine Thorax without Respiratory and Cardiac Motion Artifact. *American Journal of Pathology*. 2011 Jul; 179(1):75-82. Epub 2011 May 7.
- **Bayliss AJ**, Klene FJ, Gundeck EL, **Loghmani MT**. Treatment of a patient with post-natal chronic calf pain utilizing instrument-assisted soft tissue mobilization: a case study. *Journal of Manual & Manipulative Therapy*. 2011; 19(3):127-134.
- **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*, 2011; 43(4):693-700.
- **Dierks TA**. Pronation in runners: Implication for injury. *Lower Extremity Review*, 2011; June (3):29-34.
- **Mac Kinnon J**, Friedrich-Nel H. Allied health programs outcomes assessment in an international context: an example from South Africa. *Journal of Allied Health*, 2010, 39(1), e7-10.

Presentations

- Freidrich-Nel H, **Mac Kinnon J**, Queener S. Guidelines for formative graduate assessment. Discussion presentation at the Annual AALHE Conference, Lexington, KY, June 7, 2011.
- **MacKinnon J**. The Culture of the Academic Academy. Lecture for the New Physical Therapy Faculty Development Workshop, Chicago IL, May 19, 2011.
- **MacKinnon J**. Promotion and Tenure. Lecture for the New Physical Therapy Faculty Development Workshop, Chicago IL, May 19, 2011.
- **Schmid, A**, Forrestal, B., Goodloe, T., Mastny, K., Steiner, K., **Altenburger, P.**, et al. (2011). Emotions Negatively Impact Activity and Participation in people with Chronic Stroke *American Occupational Therapy Association*. Philadelphia, PA.
- **Schmid, AA.**, Forrestal, B., Goodloe, T., Mastny, K., Steiner, K., **Altenburger P.**, Van Puymbroeck, M., **Dierks, T**. Anxiety and Depression in people with chronic stroke, and the influence on social participation. AOTA, Philadelphia, PA, April 2011.
- **Kuo, F**. *Natural Disaster and Global Mental Health Action Plan: Occupational Therapy's Roles in Disaster Preparedness, Responses, and Recovery*. Departments of Occupational Therapy, Linkou Chang Gung Medical University, Taoyuan, Taiwan (June 23rd, 2011)
- **Kuo, F**. Impact Of Natural Disaster On Family Quality Of Life: Three Years After Hurricane Katrina. *American Occupational Therapy Association*. Philadelphia, PA. (April 15th, 2011)
- **Kuo, F.**, Baker, J., & Hosek, L. Social Participation and Quality of Life in Community-Dwelling Older Adults. *American Occupational Therapy Association*. Philadelphia, PA. (April 14th, 2011)
- **Kuo, F**. Social Participation and Quality of Life in Community-Dwelling Older Adults. *2011 IUPUI Research Day*. Indianapolis, IN. (April 8th, 2011)
- **Liu, C.-J.**, & Rawl, S. M. *What do older adults understand and remember after reading colorectal cancer prevention information?* Simon Cancer Research Day at Indiana University Simon cancer Center, Indianapolis, IN, May, 2011.
- **Kuo, Fengyi**: Poster presentation at the 91st AOTA Annual Conference and Expo on April 14th, 2011 in Philadelphia, PA. "*Social Participation and Quality of Life in Community-Dwelling Older Adults*" (Abstract # PO-1126)
- **Kuo, Fengyi**: Poster presentation at the 91st AOTA Annual Conference and Expo on April 15th, 2011 in Philadelphia, PA. "*Impact of Natural Disaster on Family Quality of Life: Three Years After Hurricane Katrina*" (Abstract # PO-2090)

Abstracts

- Gehring CM, Zeitlin D, **Kelton G**. The impact of point care PT/INR testing on anticoagulation therapy. *J of Thrombosis and Thrombolysis*. 2011, 31(3): 384
Presented at the Anticoagulation Forum's 11th National Conference on Anticoagulant Therapy, Boston MA, May 6, 2011.
 - Abstracts accepted for podium presentation at the 58th Annual Meeting of the American College of Sports Medicine/2nd World Congress on Exercise is Medicine, May 31-June 4, 2011.
 - **Dierks TA**, Phipps RL, Cardinal RE, **Altenburger PA**. The effect of hip muscle strengthening on pain and running mechanics in females with patellofemoral pain.
- **Schmid AA**, Gerwig AN, Miller KK, Schalk N, Van Puymbroeck M, **Altenburger PA**, **Dierks TA**. Preliminary evidence of yoga on balance and endurance outcomes for veterans with stroke. *Medicine and Science in Sports and Exercise*, 2011; 43(5):S635.

Grants

- **Dr. Fuchs** (PI) was awarded a Research Support Funds Grant from Indiana University for \$35,000 to study the effects of type 2 diabetes on the pediatric skeleton.
- **Dr. Fuchs** is a Co-Investigator on a grant funded by the National Institute of Health (PI: Anthony Firulli) evaluating genes that regulate limb morphogenesis - \$1,500,000
- **Drs. Dierks and Altenburger** submitted as co-investigator to the Department of Veterans Affairs (SF 424 R&R). PI: Schmid AA. Balance exercise after stroke. \$1,099,903.00.
- **Dr. Brown** submitted two grant applications to the American Thoracic Society.
- **Dr. Scott** secured a \$25,000 grant for her scholarship in the area of teaching and learning from IUPUI Center for Teaching and Learning.

Honors

- **Gaylen Kelton**, MD, Program Director MSPA was listed in the Global Directory of Who's Who, 2011.