



SCHOOL OF HEALTH AND REHABILITATION SCIENCES

INDIANA UNIVERSITY
IUPUI

Dean's Update

April-June 2013

Teaching and Learning

- The Department of Health Sciences graduated 16 BSHS graduates, 3 certificate graduates, and two PhD students in May.
- Ten students completed the e-learning graduate certificate 'Leadership in Clinical Pediatric Nutrition'.
- The Dietetic Internship Program selected 16 interns for the Class of May, 2014 from 98 qualified applicants. The new interns come from Indiana, Illinois, Ohio, California, Michigan and Virginia.
- **Sara Blackburn, D.Sc., RD**, and **Jacquelynn O'Palka PhD, RD**, welcomed the first students in the Master Program for Physician Assistants in May. They are teaching the first of four one credit nutrition courses designed to complement the clinical pathophysiology and other courses taken by PA students. This is a unique model designed to embed nutrition concepts within the professional framework for physician assistant students rather than delivering content as a separate block.
- The incoming interns and their families attended a Pre-Orientation workshop hosted by the Dietetic Internship faculty and graduating interns on June 19, 2013.
- Fifteen interns graduated from the Dietetic Internship Program on June 20, 2013 which qualifies them to sit for the Registration Examination for Dietitians.
- The Department of Physical Therapy conducted its annual Open House in April. Approximately 80 potential students attended the half day event. Faculty, staff, students and alumni participated in the event.
- **Mary Beth Brown, PhD, PT, ATC**, Bridges to Baccalaureate (one of the IU Undergraduate Research programs) student Richard Gaidoo presented research at the American College of Sports Medicine Annual Meeting in May 2013 in Indianapolis. The title of his poster presentation was: "Treadmill Training Improves Exercise Capacity and Right Ventricular and Skeletal Muscle Metabolism in a Rat Model of Pulmonary Arterial Hypertension".
- **Mary Beth Brown, PhD, PT, ATC**, Undergraduate Research Opportunities Program (UROP) student TJ Chingombe presented research at the American College of Sports Medicine Annual Meeting in May 2013 in Indianapolis. The title of her poster presentation was: "Acute Exercise Activates Pulmonary Enous and Lowers Pulmonary Pressure in Rates with Pulmonary Arterial Hypertension.

Research, Scholarship, and Creative Activity

Presentations

- **Altenburger P**, Hyland-Miller B. Robotics in Rehab: Today's Innovative Evidence-Based Practice. American Physical Therapy Association Annual Conference. June 2013
- **Altenburger, A.**, presented a talk on Evidence Based Practice to IU Health Therapy Services in Bloomington Indiana.
- **Brown, MB**, presented a paper at the American Thoracic Society's Annual Meeting in May 2013 in Philadelphia. The title of the presentation was: Exercise Training At Mild Relative Intensity Ameliorates Cardiac And Skeletal Muscle "Glycolytic Switch" And Improves Aerobic Capacity In Rats With Monocrotaline-Induced Pulmonary Arterial Hypertension
- Chingombe, T., **Brown, MB**, Reddy, J., Fisher, A., Presson, R., Lahm, T., Petrache, I., 'Acute Exercise Activates Pulmonary eNOS and Lowers Pulmonary Pressure in Rats with Pulmonary Arterial Hypertension'; IUPUI Research Day Poster Session
- Gaidoo, R., **Brown, MB**, 'Exercise Training Improves Cardiac and Skeletal Muscle Metabolism in Rats with Pulmonary Arterial Hypertension'; IUPUI Research Day Poster Session
- **Crabtree, J. L.** & Smith, R. O. "TransFACT: An Assessment of Cognitive, Physical, and Sensory Transit Skills" Poster session. AOTA Conference, San Diego, CA April 27, 2013.
- Smith, R. O., **Crabtree, J. L.**, Snyder, T., & Sagar, Meenu. X-FACT: Structure, Functions, and Application of Multi-Program Spofware Suite. Tech Day Session. AOTA Conference, San Diego, CA April 27, 2013.
- **Fess, E.** 2013 Surgery and Rehabilitation of The Hand With Emphasis on the Wrist. Lecture and demonstration session. Hand Rehabilitation Foundation, Philadelphia, PA April 5-9, 2013.
- **Fisher, T. F.** (2013, April 23) Future of OT Education: Where is the USA Going?
- **Fisher, T.F.** (2013, April 23) Future of OT Education: What did the Survey tell Us?
- **Kuo, F.**, presented a workshop entitled "Occupational Therapy Child and Family-Centered Interventions for Obesity and health in Multiple Clinical Settings" at the 93rd AOTA Annual Conference and Expo, San Diego, CA, April 28, 2013.
- **Kuo, F.**, presented a workshop entitled "Therapeutic use of yoga for children with autism spectrum disorders (PDDs) and sensory processing disorders (SPDs)" at the Pediatric Specialty Associates, Inc. Indianapolis, IN on May 9, 2013.
- **Loghmani T**, Bird C, George L, Harker S. IU SOC PT Services: Bridging the Health Care Gap. INAPTA Central District Chapter Meeting: Invited presentation.

- Ebbens C, Nuest H, Stevenson C, Norris K, **Loghmani T, Altenburger P.** Changes in Professional and Community Perceptions Following Physical Therapy Graduate Student Participation in a Student Led Inter-professional Outreach Clinic. IUPUI Research Day Poster Session.
- **Mac Kinnon, J.** The Culture of the Academy/Career Advancement in Academia. Presented at the PATIA New Faculty Development Workshop May 17, 2013; Indianapolis, IN.
- **Pape, S.** Member of IUPUI Center for Service and Learning Planning Committee for Campus symposium on community engagement. (June 2013)
- **Schmid, A.**, was a speaker at the Hite Symposium, Occupational Therapy Division, Ohio State, April 2013
- **Pape, S.** (with R. McFadden, OTS and Kristen Yates, OTS). Poster Presentation at 93rd AOTA Annual Conference and Expo, San Diego, CA. "Asperger's Syndrome: Real Life Transition Strategies-Service Learning Opportunities for Occupational Therapy Students". April 26, 2013.
- Banas K, Cappel M, **Loghmani T.** The Indiana University Student Outreach Clinic as a Substrate for Interprofessional Education: A Physical Therapy Perspective. IUPUI Research Day Poster Session
- **Scott, P.**, Krause, A., Fridell, J., Taber, T. (2013) Pancreas transplantation: Personal factors associated with good and poor post-transplant adaptive response, American Transplant Congress. Seattle Washington, May 16-18, 2013
- **Scott, P.**, Krause A., Tector, J, & Kwo, P (2013) Fatigue as reported at 12 time points during the first year post-liver transplant. American Transplant Congress, Seattle Washington, May 16-18, 2013
- **Scott P.** 2013: IUPUI Signature Center Application Review Committee
- **Scott P.** Proposal Reviewer World Federation of Occupational Therapy, Congress Yokohama Japan
- **Scott, P.**, McFadden, R, Yates, K, Spatt, J., Baker, S. McSoley, S. (2013) The Role Checklist Version 2: Quality of Performance: Scoring reliability, and validation of electronic administration. American Occupational Therapy Association, San Diego, California, April
- **Scott P.** Convener, IRAP [International Role Alliance for Participation] meeting Winterthur Switzerland, June 28-29.

Publications

- **Dierks TA, Altenburger PA,** Miller KK*, Phipps RL*, **Schmid AA.** Examination of sustained gait speed in individuals with chronic stroke. *Medicine and Science in Sports and Exercise*, 2013;44(5):s298.
- **Kuo, F.**, Goebel, L. A., Satkamp, N., Beauchamp, R., Kurrasch, J. M., Smith, A. R., Maguire, J. M. (2013). Service learning in a pediatric weight management program to address childhood obesity. *Occupational Therapy in Health Care*. doi:10.3109/07380577.2013.780318
- **Liu, C.-J.**, *Brost, M. A., *Horton, V. E., *Kenyon, S. B., & *Mears, K. E. (May/June 2013). A systematic review of the effectiveness of interventions within the scope of occupational therapy on daily activities at home for older

- adults with low vision. *American Journal of Occupational Therapy*, 67, 279-287.
- **Liu, C.-J., Pape, S., *Ferrell, J., *Turner, E., & *Johanningsmeier, K.** (June 2013). Patient education and gerontic occupational therapy: Perceptions, barriers, and needs. *Physical and Occupational Therapy in Geriatrics*, 31, 140-147. doi:10.3109/02703181.2013.782383
 - **Schmid AA, Miller KK***, Van Puymbroeck M, Debaun E*, Schalk N, **Dierks T, Altenburger P**, Damush T, & Williams L. Yoga after stroke leads to multiple physical improvements. *International Journal of Yoga Therapy*, 2013;23 (1): 50.
 - Van Puymbroeck M, Miller KK*, Schalk N, **Schmid AA**. Yoga as a facilitator for participation following an 8-week yoga for individuals with chronic stroke. *International Journal of Yoga Therapy*, 2013;23 (1): 52.
 - **Warden SJ**, Hill KM, Ferira AJ, Laing EM, Martin BR, Hausman DB, Weaver CM, Peacock M, Lewis RD: Racial differences in cortical bone and their relationship to biochemical variables in black and white children in the early stages of puberty. *Osteoporos International* 2013;24:1869-79

International Activities

- **Judith Ernst**, D.M.Sc., RD, left for Kenya where she will be spending the summer. Dr. Ernst and Dr. Asok Antony, ISOM, will be hosting a nutrition conference in Kenya in July supported by a grant from NIH. Dr. Ernst will return to campus in August.
- **Stuart Warden**, PhD, PT, FACSM, presented his research paper entitled "Exercise Completed When Young Provides Lifelong Benefit to Cortical Bone Structure and Estimated Strength" to >300 registrants at the 6th International Conference on Children's Bone Health in Rotterdam, Netherlands on June 24. His paper was one of the <10% accepted for a podium presentation at the conference.
- **Dierks TA, Altenburger PA**, Miller KK, Phipps RL, Schmid AA. Examination of sustained gait speed in individuals with chronic stroke. *60th ACSM Annual Meeting and 4th World Congress on Exercise is Medicine*, Indianapolis, IN, May 2013; poster presentation.
- **Gaylen Kelton**, MD, presented on infertility at two medical conferences in China.

Grants

- **Mary Beth Brown**, PhD, PT, ATC, was awarded the American Heart Association Scientist Development Grant for the proposed research: "Optimizing Exercise as Therapy in a Rat Model of Pulmonary Arterial Hypertension." The grant funding is for 3 years totaling \$214,500.00
- **Sharon Pape**, MS, OTR, received a \$750.00 CSL Dissemination Grant Award from IUPUI Center for Service and Learning to present at the 93rd American Occupational Therapy Association (AOTA) National Conference and Expo, April 17, 2013.

Diversity

- **Chiung-ju Liu**, PhD, OTR, as a member of American Occupational Therapy Association (AOTA) diversity Ad hoc committee, assisted in writing and submitting an executive summary of the committee's work to the AOTA president in May. The summary lists recommendations for increasing the diversity of the occupational therapy work force and enhancing the cultural competence of occupational therapy practitioners.

Best Practices

- **Liu, C.-J.**, *Brost, M. A., *Horton, V. E., *Kenyon, S. B., & *Mears, K. E. (2013). A systematic review of the effectiveness of interventions within the scope of occupational therapy on daily activities at home for older adults with low vision. *American Journal of Occupational Therapy*, 67, 279-287. This article of Dr. Liu's was featured in the June issue of OT Practice magazine.

External Awards and Appointments

- **Janet Clifton**, adjunct faculty for the Department of Health Sciences, received the Dan Libera Service Award from the Board of Certification for the National Athletic Trainers Association at the NATA Convention, June 2013 in Las Vegas, NV.
- **Fengyi Kuo**, DHS, OTR, CPRP was honored at the 93rd AOTA Annual Conference and Expo, in San Diego, CA on April 27, 2013. She received the American Occupational Therapy Foundation (AOTF)'s Community Service and Volunteerism Award.
- **Thomas Fisher**, PhD, OTR, CCM FAOTA, received the American Occupational Therapy Association Service Award for Chairing the AD Here Committee-Future of OT Education, April 27, 2013.
- **Valerie Strunk**, MS, PT, was officially promoted from Lecturer to Senior Lecturer.
- **Terry Loghmani**, PhD, PT, MTC, CMT, was selected to serve as a member of the Human Structure course development team to represent the Physical Therapy Program as part of the Medical School course reform/re-structuring.
- **Terry Loghmani**, PhD, PT, MTC, CMT, was selected to serve on a dissertation committee involving his doctoral research on instrument-assisted soft tissue mobilization.