

Dean's Update

September - October 2009

Cultural Competency Workshop

On September 25, from 12:00 to 2:00 p.m. faculty participated in a webcam presentation entitled "Diversity Cultural Competency in the Curriculum". The presenters were Marilyn McFarland, PhD, RN, Associate Professor of [Nursing](#), The University of Michigan-Flint, and Hiba Wehbe-Alamah, PhD, RN, Assistant Professor of Nursing, The University of Michigan-Flint.

News from the Departments

The Department of Health Sciences

- Our BS in Health Sciences proposal received approval by the ALC (Academic Leadership Council). It now will be reviewed by the IU Board of Trustees on December 3, 2009.
- Our Masters in Physician Assistant Studies is being reviewed by our School's Curriculum Committee and will be submitted to the IU [Graduate](#) School in December 2009 for further review.
- Rachel Swinford, a Ph.D. student, has co-authored a paper with Dr. Warden titled "Factors affecting short-term precision of musculoskeletal measures using peripheral quantitative computed tomography (pQCT)". This will be published in Osteoporosis International (in press).
- **Valerie Hill Hermann, MS, OTR/L, a PhD student, presented at the Ohio Occupational Therapy Association - Maximizing Participation in Occupation for Individuals with Stroke: Part II – Incorporating Functional Electrical Stimulation into Practice. 3 hour workshop/lab "Use of a rhythm and timing intervention during occupational therapy: Results of a pilot study exploring the effects of the Interactive Metronome™ in chronic stroke"**.
- In October 2009, Joyce Mac Kinnon returned to South Africa to continue her work in assessment of student learning in the health sciences. Her work has been funded for the past five years by the National Research Foundation of South Africa. A highlight of this trip was being able to connect dental assisting students on the IUPUI campus with dental assisting students at the Central University of Technology, Free State, Bloemfontein campus through Skype.

The Department of Nutrition and Dietetics

- Dr. Karyl Rickard was appointed Interim Associate Dean for Research for the School of Health and [Rehabilitation](#) Sciences.
- Saturday, September 26, Pam Charney, PhD, RD, Mercer Island, WA, a nationally known speaker on pediatric nutrition and the Nutrition Care Process, conducted a one day workshop for the dietetic interns and e-learning fellows on "Understanding and Utilizing the Nutrition Care Process". Dr. Charney helped develop the Nutrition Care Process and Model (NCPM) is a systematic problem-solving method that food and nutrition professionals use to think critically and make decisions that address practice-related problems. The NCPM includes specific language and codes that define the nutrition care process and provide for outcome assessment. The NCPM is accepted by the American Medical Association and approved as a formal charting method by the Joint Commission and other [health care](#) accrediting groups.

- Dr. Karyl Rickard and Ms. Deb. Abel presented “E-Learning [Certificate](#) Program, Leadership in Clinical Pediatric Nutrition” at the Innovations in Practice and Education session, Food & Nutrition Conference and Expo held in Denver, CO.

The Department of Occupational Therapy

- Dr. Fisher attended the National OT Program Director’s Meeting in Baltimore, MD., October 8 – 10, 2009, and attended the AOTA Board of Director’s Meeting in Bethesda, MD., October 29 – 31, 2009.
- Faculty and Fieldwork Educators participated in a Professional Development Workshop on October 23, 2009. It was provided by Florence Clark, PhD, OTR/L, FAOTA, President-elect, AOTA, Associate Dean, Division of Occupational Science and Occupational Therapy at the University of Southern California. The topic was on “Lifestyle Redesign® in this Age of Health Care.”
- Dr. Liu presented a paper at the First Research Health Literacy Conference in Washington, DC on October 20, 2009, titled “Text cohesion and comprehension of written health information in older adults”.
- Dr. Justiss traveled to Detroit as a Transportation Active Safety Institute (TASI) Co-investigator on the FHWA/Delphi research project: “Human Factors for Limited Ability Autonomous Driving Systems”.
- Dr. Schmid was invited to deliver a lecture at the IOTA Conference in October 2009 about the role of OT in Secondary Stroke Prevention.
- Dr. Schmid presented Feasibility and Acceptability of Yoga as a Means to Reduce Fall Risk Factors in Older Adults. Research Institute at the American Therapeutic Recreation Association, pp. 33-38. October 2009 at the National Recreation Therapy Conference.
- Dr Crabtree published the following referred article: Crabtree, J. L. (2009). Changes and trends in education, research, and practice (pp. 355-365). In K. Sladyk & K. Jacobs. (Eds.). Occupational therapy: Evidence and competency based practice. Thorofare, NJ: Slack, Inc.
- Crabtree, J. L. (in press). No one dresses accidently: A research synthesis on intentional occupational performance. OTJR: Occupation, Participation and Health.
- Dr. Fisher and Dr. Crabtree co-authored a paper: Fisher, T. & Crabtree, J. L. (2009). General cohort theory: Have we overlooked an important aspect of the entry-level OT Doctorate debate? American Journal of Occupational Therapy, 63(5), 656-660.
- Professor Pape and second-year graduate students (Brittany Forestal, Katy Ellis, Kirstyn Heine, Kristen Light, Katherine Mastny, Elisabeth Pointer) enrolled in the Mental Health elective initiative, a new community-based learning project at the College Internship Program at IU-Bloomington.
- Dr. Scott was a moderator and speaker at the Transplant Foundation Annual Education Forum in Ft. Lauderdale, Florida held on October 4, 2009.
- Dr. Scott presented Academic-Healthcare Partnership to Promote Knowledge Translation in Students and Practicing Clinicians at the International Society for the Study of Teaching and Learning on October 25, 2009.

The Department of Physical Therapy

STUDENT ACTIVITIES

- October was PT Month and as always Dr. Bayliss planned multiple events involving a vast majority of our DPT Students. Here is a brief summary of the events that faculty and students were engaged in throughout the month

of October.

- The students organized a weekly Walk/Run event throughout the month. A total of 90 participants were involved.
 - The students also collected 235 food items for donation to the Hawthorne Community Center.
 - As a part of PT month, Dr. Bayliss help organize campus awareness activities about the IU Physical Therapy Program. Specifically, Dr. Bayliss along with several current DPT students went to IUB and met with prospective physical therapy students. Plans have been made to perform similar activities at Purdue and IUPUI.
 - The final activity of the month involved a Wii fit balance test and exercise assessment at the IUPUI Health Fair. Nineteen (19) DPT students screened over 100 participants providing them with an assessment of their balance and exercise activity level.
- The Admissions Committee along with Brenda Lawless worked diligently throughout September and October to review all of the potential applicants for admission in 2010. To date, the department has received 126 qualified applicants that are currently being reviewed for admission.
 - Dr. Bayliss along with several DPT students (James Heighway, Travis Crozier, Zach Gregory and Alicia Barnes) attended the Healthy Older Program Conference and provided community outreach in the form of balance screenings. Seventy-five (75) senior citizens were screened using the Wii Fit Balance Board.

FACULTY ACCOMPLISHMENTS

National Activities

Dr. Bayliss was inducted into the Academy of Advanced Item Writers for the National Physical Therapy Examination of the Federation of State Boards of Physical Therapy at the National FSBPT conference in San Diego.

Local Activities

Advocacy Day

Prof. Strunk, Dr. Bayliss, Dr. Holder, and several students (Kristen Dreibelbis, SPT; James Heighway, SPT; Toni Robinson, SPT; Renee Schlabach, SPT; Heather Smith, SPT; Erica White) presented a poster on the perceptions of state clinician's on professional liability and the potential changes if direct access were achieved at the INAPTA Advocacy Day

Research Seminar

The Department of Physical Therapy sponsored a campus wide research seminar featuring Dr. Thor Besier from Stanford University. Dr. Besier's presented research discussing Musculoskeletal Modeling of patellofemoral pain and potential rehabilitation strategies.

Clinical Instructor Credentialing

Prof. Strunk organized a clinical instructor course through the APTA that IU will be taking place at IU in November. This credentialing course is a joint effort between Indiana University and the University of Indianapolis Physical Therapy Departments

Indy's Best and Brightest

Dr. Stuart Warden and Dr. Robyn Fuchs were selected as finalists for Indy's Best and Brightest for Health and Life Sciences for 2009.

Publications

- Dr. Warden along with two DPT students (Elizabeth Bogenschutz and Heather Smith) had their research article entitled, "Throwing induces substantial torsional adaptation within midshaft humerus of male baseball players" published in Bone.

Dr. Warden had an editorial publication in the British Journal of Sports Medicine discussing “the prophylactic misuse and recommended use of NSAIDS by athletes.”

- Dr. Fuchs had a paper published in Bone entitled “Bisphosphonates do not inhibit periosteal bone formation in estrogen deficient animals and allow enhanced bone modeling in response to mechanical loading.”
- Dr. Fuchs and Dr. Warden contributed a chapter on Bone Anatomy, physiology, and adaption to mechanical loading in Bone Repair Biomaterials that was published in October.

Presentations

- Dr. Warden had two research presentations, one for the American Society of Bone and Mineral Research Scientific Meeting discussing bone adaptation in male baseball players and a second presentation at the International Sun Valley Workshop on Musculoskeletal Biology discussing the mechanical load effecting bone adaptations in male baseball players.
- Dr. Dierks had an invited research presentation for The Prescription Foot Orthotic Laboratory Association’s 12th annual Foot and Biomechanics and Orthotic Therapy international conference in Atlanta, GA. The title of the invited presentation was Proximal and Distal Influences on Kinematics in Runners with Patellofemoral Pain Syndrome.

Abstracts

The following abstracts were accepted for the American Physical Therapy Association’s Combined Sections Meeting for February 2010:

- Title: “Treatment of a patient with post-natal chronic calf pain utilizing instrument-assisted soft tissue mobilization”

Authors: Amy J Bayliss DPT, PT; Frank Klene SPT; Evelina Gundeck SPT; Terry Loghmani, MS PT.

- Title: "Outlooks and Opinions of Practicing Physical Therapists Regarding Direct Access in Indiana"
Authors: Bethany Holder; Heather Smith; Erica White; Renee Schlabach; Toni Robinson; James Heighway
Kristen Dreibelis; Amy Bayliss.

- Title: Publication of abstracts presented at the Combined Sections Meeting: do we publish what we preach?

Authors: Smith HD, Bogenschutz ED, Bayliss AJ, Altenburger P, Warden SJ.

- Title: Throwing induces substantial torsional adaptation within the midshaft humeral of male baseball players.

Authors: Bogenschutz ED, Smith HD, and Warden SJ.

- Title: Instrument-assisted cross fiber massage improves regional blood flow in healing knee ligaments at delayed time points following treatment.

Authors: Loghmani MT, Herriott A, Kastner K, Meade K, Risner K, and Warden SJ.

Grants

- Dr. Warden received an NIH R15 awarded to carry out his research investigation looking at “Long-term skeletal effects of exercise during growth”. The grant award is \$231,000.00.

Austin O. Agho, Dean
School of Health and Rehabilitation Sciences
