



SCHOOL OF HEALTH AND REHABILITATION SCIENCES

INDIANA UNIVERSITY
IUPUI

Dean's Update

July - September, 2011

Teaching and Learning

- The Physician Assistant Studies program welcomed two new faculty in September. **James Zedaker**, MPAS, PA-C, EMT-P joined us from Ohio. His area of clinical expertise is emergency medicine. He is a retired Air Force reservist and firefighter. **Jennifer Marable**, MS, PA-C comes to us from Texas. Her area of clinical expertise is pediatrics.
- The PhD in Health and Rehabilitation Sciences welcomed two new students in September, bringing the total student number to 21.
- **Kathy Visovatti-Weaver**, RN, MPA, JD was hired in July to be the program director for the BSHS program. She had been teaching graduate and undergraduate courses in the department since 2008. She has extensive public health experience as well as clinical nursing experience. In 2004 she received the President's Award for Outstanding Public Health Leadership given by the Indiana Public Health Association and in 2009 she was the recipient of the Maynard K Hine Award from the Indiana University Alumni Association.
- Gretchen Fisher and Jana Martin, M.S. in Nutrition & Dietetics students were 2011 recipients of the Sheila Ward Dietetics Fellowship. Cathlynn Goldufsky, dietetic intern, is this year's winner of the Arlene Wilson Dietetics Scholarship.
- Master of Science in Nutrition & Dietetics admitted two new students in August.
- The Dietetic Internship Program enrolled 16 dietetic interns. They are graduates of the following universities: Bradley University, IL. Ball State University, Purdue University, IU at Bloomington, University of Tennessee at Chattanooga, Radford University, VA, Southern Illinois University, Northern Illinois University, University of Dayton, University of Kentucky and Ohio State University.
- The e-Learning Certificate/Fellowship in Pediatric Nutrition enrolled nine students (3 residents and 6 from outside Indiana).
- Physical Therapy faculty **Valerie Strunk** has successfully launched the first course in a new three course sequence titled Integrated Clinical Education I, II, and III with the first year DPT students this fall. These courses take advantage of an educational partnership with the Indiana University Health

Rehabilitation Department at Methodist, IU and Riley Hospitals, as well as outpatient therapy clinics throughout the Indianapolis area. Each Tuesday from 1-5, student pairs are in the clinic with IU Health PTs trained as Clinical Faculty to allow students to apply knowledge and skills learned in the classroom.

- Under the supervision of **Peter Altenburger**, PhD, PT, Physical Therapy students enrolled in P645 Evidence Based Critical Inquiry course summarized and presented evidence based reports on topics selected by therapists in Rehab Hospital of Indiana (RHI)
- Thirty eight first year physical therapy students began the entry level doctorate program in August. The class profile includes 30 women and 8 men ranging in age from 22 to 38. The students arrive at IU from 16 different undergraduate institutions representing 2 states and 3 countries. The average undergraduate cumulative GPA for the class is 3.73 and math/science GPA is 3.71.
- **Patricia Scott**, Associate Professor of Occupational Therapy and **Dean Agho** presided over the Grand Opening of the New Student Research and Learning Center on September 22, 2011. Students voted to name the Research and Learning Lab- the Coleman Cavern (**Center for CollAboratiVe Education, Research, and Networking**). It is estimated that approximately 240 student will be using the new lab monthly.
- At the request of the Board of Directors of the American Hand Therapy Foundation (AHTF), **Elaine Fess**, MS, OTR, FAOTA, CHT, conducted a session on "The Differences Between 501c3 Foundations and Dues/Membership Organizations" at the AHTF Annual Meeting in Nashville, TN.

Research, Scholarship, and Creative Activity

- **Ryan Cardinal**, a PhD student, was featured in the *Indianapolis Star* as a *Rising Star* for healthcare in Indianapolis, July 9, 2011. He was also featured along with the IU Health Robotics Center in the *Lafayette Courier and Journal*. The title of the article was, "Robots aid kids' physical therapy: Mechanical apparatus in Riley program helps train brain to do everyday motions." July 17, 2011
- **Christina Mushi-Brunt**, PhD, has been awarded a one year IUPUI Research Support Funds Grant in the amount of \$11, 940. The goal of the project is to study the existing and potential urban produce gardens in a large metropolitan area and develop a comprehensive report and action recommendations for local and state leaders and residents. This project was submitted with the support of the Indianapolis Mayor's Office of Sustainability.
- **Christina Mushi-Brunt**, PhD, has been awarded a one year IUPUI Developing Diverse research with InVestigative Expertise (DRIVE) grant in the amount of \$12, 280. The goal of this project is to test the feasibility of establishing community produce gardens in a low-income neighborhood using a community-academic partnership model. The project partners

- include the IUPUI Office of Neighborhood Partnerships and the Near West Community Collaborative.
- **Christina Mushi-Brunt**, PhD, has received a two year appointment as an Investigator in the recently established IUPUI Center for Urban Health (CUH). The CUH is funded through the IUPUI Signature Center Initiative with the central theme of exploring linkages among environment, community and health.
 - **Christina Mushi-Brunt**, PhD, has received funding to serve as evaluation consultant for St Vincent Health-Metropolitan Indianapolis Central Indiana Area Health Education Center's (MICI-AHEC) grant titled Health Careers Opportunity Program-Increasing Needed DiversitY (HCOP-INDY) Project funded by the US Department of Health and Human Services' Health Services and Resources Administration.
 - **Mushi Brunt C, Virgil K, Agbonhese J.** Poster Session: The availability, price and quality of food items in diverse food retail outlets. Presented at the 2011 IUPUI Research Day, IUPUI, Indianapolis, IN (collaboration between faculty and student in the Department of Health Sciences)
 - **Karyl Rickard**, PhD, RD, 's grant Leadership Education Excellence in Pediatric Nutrition was renewed for \$188,090 by the U.S. Department of Health and Human Services HRSA. This is the 24th consecutive renewal for this grant.
 - Joseph Inungu, Averetta Lewis, Younis Mustafa, Jessica Wolf, Sarah O'Brien and **Deirdre Verdun:** HIV Testing among Adolescents and Youth in the United States: Update from the 2009 Behavioral Risk Factor Surveillance System, *The Open AIDS Journal*, Issue 5, pgs 80-85
 - The Department of Occupational Therapy received an endowed scholarship from the estate of Anita Slominski, OT

National Presentations

- Physical Therapy faculty (**Valerie Strunk, Peter Altenburger, Amy Bayliss and Terry Loghmani**) have been accepted to present a 2-hour educational session to a national audience at the 2012 American Physical Therapy Association Combined Sections Meeting in Chicago, IL. The presentation is titled: "It's All in the Family: Making the Case for Instructional Collaboration Using the Integrated Longitudinal Case-Based Learning Model," and is based on their research into the Department's use of the IU DPT Family Tree.

Manuscripts

- **Scott P, Altenburger PA, Kean J.** A Collaborative Teaching Strategy for Enhancing Learning of Evidence-based Clinical Decision-making. *Journal of Allied Health*. 2011; 40, 3; 120-27.
- **Brown MB, Presson R** (co-1st authors), Fisher A, Sandoval R, Dunn K, Lorenz K, Delp E, Salama P, Molitoris B, Petrache I. Two-photon imaging within the murine thorax without respiratory and cardiac motion artifact. *American Journal of Pathology*. 2011 Jul;179(1):75-82.
- **Bayliss AJ, Warden SJ.** A hybrid model of student-centered instruction improves physical therapy student performance in cardiopulmonary practice

- patterns by enhancing performance in higher cognitive domains. *J Phys Ther Ed*. 2011;25(3):14-20.
- Marrero-Amadeo IC, Chauhan A, **Warden SJ**, Merrell GA: Flexor tendon repair with a knotless barbed suture: a comparative biomechanical study. *Journal of Hand Surgery (America)* 2011;36:1204-8
 - Bogenschutz ED, Smith HD, **Warden SJ**: Midhumerus adaptation in fast-pitch softballers and the impact of throwing mechanics. *Medicine and Science in Sport and Exercise* 2011;43:1698-1706

Abstracts

- **Bayliss AJ**, Backler J, Gabet J, **Strunk V**. Measurement of empathy changes during a physical therapist's education and relationship to gender. *Physiotherapy*. 2011;97(S1):Abstract #RR-PO-201-13. (Supplement for World Confederation of Physical Therapy Congress 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. American College of Sports Medicine 58th Annual Meeting, Denver, CO. *Medicine and Science in Sports and Exercise*, 2011;43(5):S65.
- **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. American College of Sports Medicine 58th Annual Meeting, Denver, CO. *Medicine and Science in Sports and Exercise*, 2011;43(5):S635.
- **Schmid AA**, Van Puymbroeck M, **Altenburger P, Dierks T, Miller K**, Schalk N, Damush T, Neumann D, Williams L. Eight-week yoga intervention improves quality of life, activity, and social participation after stroke. 2011 Symposium on Yoga Research, Stockbridge, MA. *International Journal of Yoga Therapy*, 2011:29.
- **Altenburger PA**, Flesch P, **Dierks TA**. The benefits of a university-community partnership for the advancement of pediatric rehabilitation. 17th Annual Conference of the Coalition of Urban and Metropolitan Universities, Indianapolis, IN: 2011.
- **Schmid AA**, Debaun E, Van Puymbroeck M, **Altenburger P, Dierks T, Miller K**, Schalk N, Chagdes S, Dye L, Moore R, Racine L, Damush T, Williams L. A Modified Yoga-Based Rehabilitation Intervention Improves Quality of Life, Activity, and Social Participation After Stroke. Indiana Occupational Therapy Association State Conference, Indianapolis, IN. September, 2011.
- **Schmid AA**, Van Puymbroeck M, **Altenburger P, Dierks T, Miller K**, Schalk N, Damush T, **Crabtree J**, Neumann D, Williams L. Eight-week yoga intervention improves quality of life, activity, and social participation after stroke. American Congress of Rehabilitation Medicine, Atlanta, GA: 2011.
- **Schmid AA, 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: 2011.
- **Miller KK, Dierks T**, Van Puymbroeck M, **Altenburger P**, Schalk N, Damush T, Williams L, **Schmid AA**. Therapeutic yoga: impact on pain and physical

- impairments after stroke. American Congress of Rehabilitation Medicine, Atlanta, GA: 2011
- Combs, S., Brower, L., Colburn, D., Harmeyer, A., Poole, T., & **Schmid, A. A.** (2011). Poster: Walking speed and distance Improves with a short-burst of either body weight supported treadmill training or overground walking training for persons with chronic stroke *American Physical Therapy Association Combined Sections Meeting*. Chicago, IL: American Physical Therapy Association.
 - Phipps, M., **Schmid, A. A.**, Williams, L., Kapoor, J., Aldo, R., & Bravata, D. (2011). Orthostatic hypotension among outpatients with ischemic stroke. *Journal of the Neurological Sciences*.
 - **Schmid, A. A.** (2011). *Yoga after stroke*. Paper presented at the Symposium on Yoga Research Kripalu ICenter for Yoga and Health, Lenox, Massachusetts <http://www.sytar.org/SYR2011/Default2.aspx>
 - **Schmid, A. A., Altenburger, P., Dierks, T., Van Puymbroeck, M., Schalk, N., Miller, K., et al.** (2011). Poster Abstract: Yoga improves balance and balance confidence after stroke (First place poster). *Archives of Physical Medicine and Rehabilitation*, 92(10), 1713.
 - Van Puymbroeck, M., **Schmid, A. A.**, Shinew, K., & Hsieh, P. C. (2011). Yoga on the physical fitness, physical activity constraints, and body Image of breast cancer survivors: a pilot study. *International Journal of Yoga Therapy*, 21, 49-60.
 - **Fess, E. E.** (2011). *Clinical assessment of the upper extremity*. Paper presented at the OTPP521 School of Occupational Therapy, University of Indianapolis Indianapolis, IN.
 - **Fess, E. E.** (2011). *The differences between 501c3 foundations and dues/membership organizations* Paper presented at the American Hand Therapy Foundation (AHTF) Annual Meeting, Nashville, TN. Sept 22-25, 2011.
 - **Fess, E. E.** (2011). *Dynamometer calibration*. Paper presented at the OTPP521 School of Occupational Therapy, University of Indianapolis Indianapolis, IN.
 - **Fess, E. E.** (2011). *Expanded splint classification system*. Paper presented at the OTPP521 School of Occupational Therapy, University of Indianapolis Indianapolis, IN.
 - **Fess, E. E.** (2011). *Foundations vs dues associations: a review of the basics*. Paper presented at the American Hand Therapy Foundation Board of Directors Annual Meeting, Nashville TN.
 - **Fess, E. E.** (2011). *Mechanical principles of splinting*. Paper presented at the OTPP521 School of Occupational Therapy, University of Indianapolis Indianapolis, IN.
 - **Fess, E. E.** (2011). *The normal hand*. Paper presented at the OTPP521 School of Occupational Therapy, University of Indianapolis Indianapolis, IN.
 - **Fess, E. E.** (2011). *Physiologic basis for therapy and splinting*. Paper presented at the OTPP521 School of Occupational Therapy, University of Indianapolis Indianapolis, IN.

- **Fess, E. E.** (2011). *Single and simultaneous finger convergence points*. Paper presented at the OTPP521 School of Occupational Therapy, University of Indianapolis Indianapolis, IN.
- **Fess, E. E.** (2011). *Waterloo Handedness Questionnaire*. Paper presented at the OTPP521 School of Occupational Therapy, University of Indianapolis Indianapolis, IN.

State peer reviewed presentation:

- Wells, J. & **Crabtree, J. L.** "Doctoral Entry for Occupational Therapists: Is This the Time?" OOTA Conference October 14-15, 2011
- **Liu, C.-J.**, & Rawl, S. M. (September 2011). *What do older adults understand and remember after reading colorectal cancer prevention information?* International Cancer Education Conference, Buffalo, NY. [Poster presentation]
- **Scott, P. J.**, (2011) Occupational Therapy to enable patients to thrive following transplantation Occupational Therapy in Health Care 24 (4)
- **Scott, P. J., 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

Awarded External

Project: Proof-of-Concept Grant

- **Mary Beth Brown**, PT, DPT, received \$27,000 for a Proof-of-Concept Grant

Civic Engagement

- **Deborah Abel**, MS., Visiting Lecturer spoke on "My Food Plate and Normal Pediatric Nutrition" at the School Nurse Symposium held at Riley Hospital for Children, July 29.
- **Gaylen Kelton**, MD, provided faculty oversight to the IU Student Outreach Clinic in the months of July and September.
- In September, DPT students from the class of 2013 met with area clinicians through Indiana University Health to collaborate on researching evidence based therapy questions. The student-therapist teams will discuss their findings at a full staff presentation in December 2011.
- The MS Swim program and Senior Center exercise classes were renewed in September. DPT students organize and lead each of these weekly community based activities.
- **Patricia Scott**, PhD, MPH, OT, FAOTA, was interviewed on Web MD about her research on Recovery following transplantation.
- **Sharon Pape**, MS, OTR, is a co-faculty advisor for the IUPUI OT/PT club fall 2011
- **Sharon Pape**, MS, OTR, (with **Dawn Lipker**, Director of Admissions) provided an OT Information Session at Purdue University for 18 pre-OT students on September 14, 2011.

Best Practices

- **Thomas Fisher, PhD, OTR, CCM FAOTA** presented at the Annual IOTA Conference on Scope of practice and continuing competency requirements for Occupational Therapists and Assistants, July 16-19, 2011.

External Awards and Professional Appointments

- **Stuart Warden, PhD, PT, FACSM**, received the ASBMR 2011 Early Career Excellence in Teaching Award, American Society of Bone and Mineral Research.
- A poster **Dr. Stuart Warden** co-authored with Dr. Kate Hill was the winner of the 2011 American Society of Bone and Mineral Research (ASBMR) President's poster competition.
- **Patricia Scott, PhD, MPH, OT, FAOTA**, has been invited by the Center on Teaching and Learning to review proposals for the E. C. Moore Symposium.