

**Health and Rehabilitation Sciences**  
**<http://shrs.iupui.edu/>**

Teaching and Learning

- Ninety (90) students participated in the commencement ceremony in May 2013.
- The **Department of Health Sciences** graduated 16 BSHS, 3 certificate and two PhD students in May.
- Ten Students completed the **E-learning Graduate Certificate** “Leadership I Clinical Pediatric Nutrition” in June 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 **Dietetic Internship Program** selected 16 interns (class of 2013) from 98 qualified applicants. The new interns come from Indiana, Illinois, Ohio, California, Michigan and Virginia.
- The first time pass rate for the **Department of Nutrition and Dietetics** class of 2012 was 66% compared to the national average of 86%. The chair of the department is working with faculty to improve performance of students.
- The first time pass rate for the **Occupational Therapy** class of 2012 was 92% compared to the national average of 85%.
- The first-time pass rate for the **Physical Therapy** class of 2012 was 94% compared to the national average of 89%.
- Twenty four (24) students received named fellowship and scholarship awards.
- The **PhD in Health and Rehabilitation Sciences** degree program admitted one new student in fall bringing the total number of students enrolled to 22.
- Thirty six (36) first year **Occupational Therapy** students began the entry level master’s program in June, 2013. The class profile includes 32 women and 13 men ranging in age from 22 to 38. Students came from 10 different undergraduate institutions representing 4 states. The mean undergraduate cumulative GPA for the class is 3.77 and prerequisite GPA is 3.75.
- Thirty eight (38) first year **Physical Therapy** students began the entry level doctorate program in August, 2012. The class profile includes 25 women and 13 men ranging in age from 22 to 38. Students came from 13 different undergraduate institutions representing 4 states. The average undergraduate cumulative GPA for the class is 3.77 and math/science GPA is 3.75.
- Faculty, alumni and students attended the IU School of Health and Rehabilitation Sciences’ annual **Interdisciplinary Research Conference** on November 17, 2012, sponsored by the **IU School of Health and Rehabilitation Sciences’ Alumni Board**.
- The **Master of Physician Assistant Studies** program received provisional accreditation in September, 2012 and enrolled its first class which started May, 2013.

- The **Bachelor in Health Sciences** has 461 students currently enrolled, exceeding the five-year projection for this program.
- **Peter Altenburger**, PhD, PT, and **Ryan Cardinal**, DPT, served as primary members of a workgroup for the APTA on implementation of robotic technology within physical therapy practice.
- **Bayliss, AJ**, Bird, C, **Strunk, V**. Measurement of empathy changes during a physical therapist's education, as a new graduate and relationship to gender. Combined Sections meeting of the American Physical Therapy Association, Jan. 24, 2013. *Platform Presentation*
- **Sara Blackburn**, D.Sc. RD, and **Jacquelynn O'Palka**, PhD, RD, 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.
- **Mary Beth Brown**, PhD, PT, ATC, and her student TJ Chingombe were featured in OVCR Research Enterprise and CRL Highlights.
- **Mary Beth Brown**, PhD, PT, ATC, participated in APTA's Faculty Development (3 day) workshop on June 21-24, 2012.
- **Ryan Cardinal**, DPT, and **Peter Altenburger**, PhD, PT, presented a one-day educational seminar for the INAPTA on advance neurological evaluation and treatment, November 2-3, 2012.
- **Fengyi Kuo**, DHS, OTR, CPRP, and **Sharon Pape**, MS, OTR, presented with IUSOM-Department of Psychiatry Grand Rounds November 9th Autism & OT.
- **Valerie Strunk**, MS, PT, taught a 2-day APTA Clinical Instructor Credentialing Program Course in March to 48 attendees, including PT, PTA, OT and SLP educators.

#### Research, Scholarship, and Creative Activity

- Faculty published 38 articles in peer-reviewed journals, and gave 44 peer-reviewed presentations at conferences.

#### Grants and Research

- **Mary Beth Brown**, PhD, PT, ATC, received \$35,000 for collaborative project Evaluation of Efficacy and Mechanisms of Exercise Training as Therapy for Hypoxia-induced Pulmonary Hypertension in Rats from RSFG.
- **Mary Beth Brown**, PhD, PT, ATC, received \$7,000 for use of imaging core to develop a technique for 'Ex vivo 2-photon imaging of living sweat glands in fresh human skin biopsies' from CTSI's Pilot Funding for Research Use of Core Facilities.
- **Mary Beth Brown**, PhD, PT, ATC (Co-PI) was awarded an internal grant of \$75,000 by the IU Center for Excellence in Cardiovascular Research for the project entitled, "*Sex differences in the right ventricular response to exercise in rats with severe angioproliferative pulmonary hypertension*"
- Gilead PAH Research Scholars Program in PAH (\$65K/yr for 2yrs) awarded to collaborator T. Lahm (IU SOM) with **Mary Beth Brown**, PhD, PT, ATC, as co-investigator.

- **Tracy Dierks**, PhD, and **Peter Altenburger**, PhD, PT, are Co-Investigators on a \$30,000 grant awarded by the American Physical Therapy Association Section on Pediatrics. The title of the grant is: *How much how often: dosage in robot-assisted therapy in pediatrics*. (PI: Michael J. Majsak, New York)
- **CJ Liu**, PhD, OTR, is serving as Co-Investigator. *Palliative Pilot Grant for Physical Activity in Advanced Cancer Patients* (2012-2013). **Center for Hospice, Palliative Care and End-of-Life Studies of the University of South Florida**. PI: Dr. Hsiao-Lan Wang. \$15,000.
- **Chiung-ju Liu**, PhD, OTR (PI) was awarded \$53,000 by Roybal Center of Indiana University Center for Aging Research, National Institute on Aging for a project entitled “Feasibility of 3-Step Workout for Life for seniors”.
- **Arlene Schmid**, PhD, OTR, is serving as Co-Investigator for the Department of Veterans Affairs, QUERI: Stroke Self-Management: Effect on Function and Stroke Specific Quality of Life. \$1,049,056.53 awarded over 4 years (2012-2016).
- **Patricia Scott**, PhD, MPH, OT, FAOTA was awarded \$7,410 by the Transplant Foundation Inc. for a feasibility study entitled “: Supplemental Support for Phase III: Translation of data into patient education materials”.
- **Stuart Warden**, PhD, PT, FACSM, (PI) was awarded an internal grant of \$69,000 by the IU Office of the Vice President for Research for the project entitled, “Localizing the skeletal effects of the serotonin transporter”.
- **Stuart Warden**, PhD, PT, FACSM, (Co-PI) was awarded \$1,152,533 over three years from the Department of Defense for a project entitled, “Maximizing PTH anabolic osteoporosis therapy”.

#### Creative Activity

- **Peter Altenburger**, PhD, PT, and **Ryan Cardinal**, DPT, co-authored a Podcast for the American Physical Therapy Association titled: *Robotics and Physical Therapy: Intervention*.

#### Civic Engagement

- The **Physical Therapy Department** donated 874 food items to the **Hawthorne Community Center** food bank as part of their Physical Therapy month events. They also had a booth at the IUPUI Health fair on October 31<sup>st</sup> titled “Fitness for your Feet” to educate those on campus about fitness shoe selection.
- **Thomas Fisher**, PhD, OTR, CCM FAOTA chaired the OT Legislative Initiative during the 2013 General Assembly. The bill focused on OT Scope of Practice.
- The Burmese American Community Institute (BACI) appointed **Fengyi Kuo**, DHS, OTR, CPRP, as a Board Director.
- Physical Therapy students developed a comprehensive approach to integrating a Physical Therapy student led clinic within the IU School of Medicine Student Outreach Clinic (SOC). The Physical Therapy students are being mentored by **Terry Loghmani**, PhD, PT, MTC, CMT.
- **Sharon Pape** and IU Student OT Association (SOTA) raised over \$1,700.00 for the Indiana Chapter Alzheimer's Associations' Annual Walk "to cure" Alzheimer's.

- **Patricia J. Scott**, PhD, OT, FAOTA, coordinated the International Working Group for the Measurement of Participation of Persons with Disabilities, October 10-11th in Stockholm Sweden.
- **Stuart Warden**, PhD, PT, FACSM, was quoted in the *Chicago Tribune* on the inappropriate prophylactic use of anti-inflammatory drugs in recreational athletes.

### Diversity

- Minority students enrolled in SHRS increased from 12.5% in fall 2011 to 18% in fall 2012.
- The **SHRS Diversity Committee** held a workshop for faculty, staff and students entitled “Promoting Cultural Competency in Health Professionals” on August 28, 2012. Antoinette Holt, MPH, Director for the Office of Minority Health, Indiana Department of Health conducted the workshop.
- **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.
- **Patricia Scott**, PhD, MPH, OT, FAOTA was featured in the IUPUI 2012 Research Report for her work in translation of recovery research into patient services.
- **Patricia Scott**, PhD, MPH, OT, FAOTA was interviewed on Sound Medicine about her Transplant Research. The interview was also featured "In the News" of the OT Practice Magazine, Sept 24th Issue.
- **Valerie Strunk**, MS, PT, and **Peter Altenburger**, PhD, PT presented a platform at the American Physical Therapy Educational Leadership Conference in Greenwich, Connecticut on October 7. The presentation was based on their research into the Integrated Clinical Education model, and was titled *Using the Implementation of an Integrated Clinical Education Model as an Opportunity to Strengthen Academic-Clinical Partnerships*.

### External Awards and Appointments

- **Austin Agho**, PhD, has been appointed to a 4-year term on the Institutional Action Council of the Higher Learning Commission of the North Central Association.
- **Peter Altenburger**, PhD, PT, was elected to the position of Chair of the Program Review and Assessment Committee for the IUPUI Campus
- **Peter Altenburger**, PhD, PT was appointed to an advisory board on robot-assisted technology and its implementation within healthcare educational programs.

- **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.
- **Jeffrey L. Crabtree**, MS, OTD, FAOTA, has been appointed as Affiliate Research Scientist, Rehabilitation Research Design & Disability ( R2D2) Center, University of Wisconsin-Milwaukee.
- **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.
- **Lydia George**, third year physical therapy student, was awarded the Mary McMillan Scholarship. She was one of three winners from 2,011 submissions.  
<http://news.iupui.edu/releases/2013/04/Lydia%20George.shtml>
- **Gaylen Kelton, MD** has been appointed as chair of the Physicians Resource Council.
- **Terry Loghmani**, PhD, PT, MTC, CMT, was invited to be a founding member of the Fascia Research Society.
- **Terry Loghmani**, PhD, PT, MTC, CMT, served on the Community Engagement Task Force, a subcommittee of the IUPUI Strategic Planning Committee.
- **Terry Loghmani**, PhD, PT, MTC, CMT served on a dissertation committee involving instrument-assisted soft tissue mobilization research.
- **Fengyi Kuo** was selected as a program developer to implement a home based childcare microenterprise employment project for the Burmese community in Indianapolis, funded by the Office for Refugee Resettlement (ORR) in the amount of \$134,000 over two years.
- **Fengyi Kuo**, DHS, OTR, CPRP was honored at the 93<sup>rd</sup> 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.
- **Terry Loghmani**, PhD, PT, MTC, CMT, served on the Community Engagement Task Force, a subcommittee of the IUPUI Strategic Planning Committee.
- **Terry Loghmani**, PhD, PT, MTC, CMT served on a dissertation committee involving instrument-assisted soft tissue mobilization research.
- **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.
- **Patricia Scott**, PhD, MPH, OT, FAOTA received the International Travel Award (\$800,) to support travel to the 3rd International Institute for the study of the model of Human Occupation in Stockholm Sweden.
- **Arlene Schmid**, PhD, OTR, was recently appointed as Co-Implementation Research coordinator VA Stroke QUERI, Roudebush Veteran's Administration Medical Center, Indianapolis, IN.
- **Stuart Warden**, PhD, PT, FACSM, has been appointed to the Exercise and Rehabilitation Advisory Council of the National Osteoporosis Foundation.