



IUPUI

SCHOOL OF HEALTH  
AND REHABILITATION  
SCIENCESINDIANA UNIVERSITY  
Indianapolis

July - September 2015

## Teaching & Learning

- **Amber Comer, JD, PhD** was a Medical Ethics Course guest lecturer and conversation facilitator for the Indiana University School of Medicine and School of Dentistry.
- **Jeffrey Crabtree, MS, OTD, FAOTA** was awarded a \$3,600 IU Center for Service and Learning Service Learning Assistant (SLA) Scholarship Award for Summer 2015.
- The **Dietetic Internship Program** received re-approval from Indiana University as a graduate certificate program. The official title for the program is now the **Dietetic Internship Graduate Certificate Program**.
- **Dietetic Internship Graduate Certificate Program** welcomed 15 interns to Indianapolis on August 21, 2015. The Internship Class of 2016 includes graduates of Indiana University at Bloomington, Purdue University, Johnson & Wales, Denver CO; Southern Illinois University Carbondale; Illinois State University; University of Georgia; Florida International University; University of New Mexico; Appalachian State University, North Carolina; St. John's St. Benedict University, Minnesota; and the University of Illinois at Urbana Champaign.
- **Thomas Fisher, PhD, OTR, CCM, FAOTA** was invited to present and lead a panel discussion on interprofessional education - IU School of Nursing on August 31, 2015.
- **Stuart Warden, PT, PhD, FACSM** was invited to provide a lecture on "The role of electrophysical agents in sports physiotherapy" within the International Olympic Committee's Diploma in Sports Physical Therapy.
- **Stuart Warden, PT, PhD, FACSM** provided an invited lecture on "Quantitative skeletal imaging" within the IU School of Medicine 'Basic Bone Biology (G819)' course.

## Research, Scholarship & Creative Activity

### Abstracts

- Romito L, Jackson R, Maxwell L, Clark C, Hendricks S, Townsend B, Mueller M, Poore J, McCabe H, **Kelton GM**. Developing Team Communication Skills in a Fast-Paced Interprofessional Learning Activity. Collaborating Across Borders V, September 29 - October 2, 2015, Roanoke, VA.
- **Thompson WR**, Yen S, Uzer G, Sen B, Xie Z, Styner M, Rubin J. Actin Cytoskeletal Structure Influences MSC Lineage through Balanced Activity of LARG GEF and ARHGAP18. Orthopaedic Research Society 45<sup>th</sup> International Sun Valley Workshop on Musculoskeletal Biology.

### Grants

- **Augustine Agho, PhD** and **Rebecca Rebman, PhD, PA-C** received a 3-year \$1.9 million grant from the U.S Department of Health and Human Services' Health Resources and Services Administration to develop the IU Health Careers Opportunity Program.
- **Mary Beth Brown, PT, ATC, PhD** received an internal grant from the Life and Health Science Institute (LHSI) that will fund one student in her lab for the 2015-2016 Academic Year.
- **Mary Beth Brown, PT, ATC, PhD** was awarded a \$465,000 NIH-NHLBI, AREA (R15) Grant, for 'Maximizing benefit and minimizing detriment of exercise for pulmonary hypertension.'
- **Amber Comer, JD, PhD** was awarded a \$5000 IUPUI EMPOWER mentoring grant.
- **Tracy Dierks, PhD** was awarded \$15,000 from St. Vincent Health to study 'Retrospective review of the relationship between early season screening assessments and both injury risk and sports performance in high school athletes.'
- **Crystal Massie, PhD, OTR** is a collaborator on a \$19,000 grant titled, "A tool for accurate measurement of proprioception in the clinical setting," with PI Hannah Block, PhD, from IU Bloomington.



## Research, Scholarship & Creative Activity (cont.)

### Grants (cont.)

- **Nikki Munk, PhD, LMT** was awarded a \$5000 IUPUI EMPOWER mentoring grant.
- **William Thompson, DPT, PhD** was awarded Core Facilities Pilot Funding for Research (PI): Indiana Center for Translational Sciences Institute (2015-2017): A two-year project to generate an osteocyte-specific perlecan knockout mouse using Crispr/Cas9-mediated insertion of Loxp sites into the Hspg2 gene, \$10,000.
- **William Thompson, DPT, PhD** was awarded a Department of Defense Breast Cancer Research Program Award (Partnering PI: Thompson, Initiating PI: Guise): "Effect of Low-Magnitude Mechanical Signals on Breast Cancer Bone Metastases." \$1,560,000.
- **William Thompson, DPT, PhD** was awarded a Multidisciplinary Undergraduate Research Institute Grant (PI: Thompson, Co-PI: Robling): Indiana University MURI Program (2015-2016): A one-year award to fund five undergraduate students working on an interdisciplinary translational research project, \$9,230.
- **William Thompson, DPT, PhD** was a NIH Loan Repayment Program Award Recipient.

### Publications

- **Allen M.** Contributions of qualitative research to client-centered practice. *OT Practice* 2015;20(16):12-4.
- Childress P, Stayrook K, Alvarez MB, Wang Z, Shao Y, Hernandez-Buquer S, He Y, Horan D, Pavalko F, **Warden SJ**, Robling AG, Yang FC, Allen MR, Krishnan V, Liu Y, Bidwell J. Genome-wide mapping and interrogation of the Nmp4 anti-anabolic bone axis. *Molecular Endocrinology* 2015;29:1269-85.
- Friedrich-Nel H, **Mac Kinnon J.** Formative postgraduate assessment: a comparative case study using a university in the USA and one in South Africa. *Innovations in Education and Teaching International* 2015;52:653-62.
- Gannotti ME, **Fuchs RK**, Roberts DE, Hoobs N, Cannon IM. Health benefits of seated speed, resistance, and power training for an individual with spastic quadriplegic cerebral palsy: a case report. *Journal of Pediatric Rehabilitation Medicine* 2015;8:251-7.
- Livorsi D, **Comer AR**, Matthias M, Perencevich E, Bair M. Factors influencing antibiotic-prescribing decisions among inpatient physicians: qualitative investigation. *Infection Control and Hospital Epidemiology* 2015;36:1065-72.
- Ross SE, Linens SW, Wright CJ, **Arnold BL.** Noise-enhanced eversion force sense in ankles with or without functional instability. *Journal of Athletic Training* 2015;50:819-24.
- Sen B, Xie Z, Uzer G, **Thompson WR**, Styner M, Wu X, Rubin J. Intranuclear actin regulates osteogenesis. *Stem Cells* 2015;33:3065-76.
- Stone C, Robins S, **Comer AR.** Report to the City of Indianapolis – Health Impact Assessment of the Northwest Neighborhood.

### Poster Sessions

- **Thompson WR**, Yen S, Uzer G, Sen B, Xie Z, Styner M, Rubin J. Actin Cytoskeletal Structure Influences MSC Lineage through Balanced Activity of LARG GEF and ARHGAP18. 45<sup>th</sup> Orthopaedic Research Society International Sun Valley Workshop on Musculoskeletal Biology. Sun Valley, ID. 2015.
- **Loghmani MT**, Fuller E (DPT Student), **Handt R** (DPT Student), **Neff B** (DPT Student), **Seasly L** (DPT Student), **Swartz C** (DPT Student), **Whitted M** (DPT Student), March KL. Instrument-Assisted Soft Tissue Mobilization in Healthy Young Adult Males Mobilizes Tissue-Resident Mesenchymal Stem Cells into Circulation. 4<sup>th</sup> Annual Regenerative Rehabilitation Symposium. Rochester MN, September 25-26, 2015. Selected as a Best Poster.
- **Loghmani MT**, Neff B, Anwar S, Mohamed S, Suri M. Quantification of Force during Soft Tissue Massage for Research and Clinical Use. 4<sup>th</sup> International Fascia Research Congress. Washington DC, September 18-20, 2015. Poster selected by program organizers to display at the upcoming Harvard University Joint Fascia, acupuncture and oncology conference in November.
- **Wei Li**, S Risacher, TW McAllister, A Saykin. Influence of History of Traumatic Brain Injury on Age at Onset of Cognitive Impairment in MCI and Alzheimer's Disease. Alzheimer's Association International Conference. July 18-25, 2015. Washington DC.



### Presentations

- **Amber Comer, JD, PhD** presented the Internal Medicine Grant Rounds, Eskenazi Hospital, "Ethical Considerations in Indiana's Surrogate Decision-Making Statute." August 2015.
- **Amber Comer, JD, PhD** presented the Neurology Grand Rounds, Indiana University Health and Indiana University School of Medicine. "Fifty Shades of Grey: Cases in Neurology Practice Where the Law & Ethics Collide." September 2015.
- **Amber Comer, JD, PhD** presented the following Neurology Morning Reports, Indiana University Health/ Indiana University School of Medicine, "The Legal and Ethical Impacts of Indiana's Surrogate Decision Making Act on Clinical Practice" and "Electronic Medical Records and Social Media: Mistakes and Malpractice." August 2015.
- **Robin Janson, MS, OTR, CHT** (OTD student) presented "3D Printing Basics & Applications in Occupational Therapy" at the meeting of the Indiana Occupational Therapy Association Fall Conference and Annual Business Meeting in Indianapolis, Indiana on September 19, 2015.
- **Sharon Pape, MS, OTR**, R Barton, E Hines, A Palicki, H Porterfield, S Thorsen, V Wilburn. "Interprofessional Education and practice (IPEP) – Integrating Classroom and Clinic." Presentation at Indiana Occupational Therapy Association Fall Conference, Indianapolis, IN on September 19, 2015.
- **Sharon Pape, MS, OTR** presented "Fieldwork Education and Supervision Strategies" at IU Health West Hospital and Indiana University Home Health Services in July 2015.
- **Sharon Pape, MS, OTR** presented "Transformative Learning in Fieldwork," at the Eskenazi Health Occupational Therapy Department on August 18, 2015.

### Civic Engagement

- The **IU DPT program** organized the first annual IU PT Fundraising Committee Golf Tournament. The goal of the event was to raise funds to donate to the Foundation for Physical Therapy Marquette Challenge. The students raised \$1600. **William Thompson, DPT, PhD** was the primary faculty advisor.
- **Mary Beth Brown, PT, ATC, PhD** and 9 student members of her lab participated in the Pulmonary Hypertension Association's fundraiser walk "O2 Breathe" on October 3<sup>rd</sup> in Carmel, IN. Dr. Brown gave the 'medical keynote address' at the start of the event.
- **Judy Ernst, DMSc, RD** attended the summer board meeting of Cherish Our Children International (COCI). Following the meeting, Dr. Ernst participated in onsite COCI program reviews in northern Mexico.
- **Niki Munk, PhD, LMT** was an invited member of the planning committee for the 4<sup>th</sup> Massage Therapy Foundation International Research Conference.
- **Sarah Raciti** (DPT student) was accepted into the Riley Childhood Development Center which is part of a national network of training programs that provide intensive interdisciplinary assessment services.
- **Tim Scully** was appointed Co-Chair of Membership for the Midwest Association of Colleges and Employers.
- **Tim Scully** served as Co-Chair for the Midwest Association of Colleges and Employers Annual Conference in Chicago, IL Jul 20-22, 2015.

### Best Practices

- **Thomas Fisher, PhD, OTR, CCM, FAOTA** provided a Plenary Session at the IOTA Annual Fall Conference. OT Scope of Practice: Best Practices, September 19, 2015.

### External Awards and Appointments

- **Thomas Fisher, PhD, OTR, CCM, FAOTA** was nominated and elected to the Leaders and Legacies Society of the American Occupational Therapy Foundation, August 3, 2015.
- **Terry Loghmani, PT, PhD** was invited to serve as Assistant Director of the campus IU Regenerative Medicine Working Group.
- **Niki Munk, PhD, LMT** was an invited Reviewer for the forthcoming text: Thompson, D. & Brooks, M. Eds. (2016).
- **Niki Munk, PhD, LMT** completed Manuscript Review for Journal of the American Board of Family Medicine.
- **William Thompson, DPT, PhD** was awarded the Young Investigator Award, American Society of Bone and Mineral Research Conference, Seattle, WA, 2015.