



Dean's Quarterly Updates

July - September 2016

Teaching & Learning

- **Ashley Burelison** became a mentor for a Health Sciences student in The Norman Brown Diversity & Leadership Scholars Program and an advisor for the new student organization, Student Talks at IUPUI.
- **Amber Comer** was named to Abdullah Almojaibel's dissertation committee.
- Dietetic Internship Program received approval from the US Department of Education qualifying enrolled students for federal financial aid.
- Dietetic Internship Program admitted 16 interns in August. The class includes students from Indiana University, Purdue University, Western Kentucky University, University of Alabama at Tuscaloosa, University of Kentucky, University of Houston, Pennsylvania State University, University of Dayton, and University of Delaware.
- **Joshua Foster***, MSDN student, successfully defended his master thesis: The Effect of Beverage Consumption on the Incidence of Overweight and Obesity in an Indianapolis WIC Population.
- Undergraduate students **Breann Johnson*** and **Ashley Troutman*** who work with **Mary Beth Brown** presented posters at IUPUI CTL Research Symposium in August 2016.
- **Tim Scully**, **Ashley Burelison**, and **Trinity Hobson*** coordinated the inaugural SHRS Summer Bridge Program for incoming freshmen in August 2016.
- **Lashanee Singleton*** of Arlington High School completed her Upward Bound internship in the BSHS Program under the supervision of **Tim Scully** in July 2016.
- **William Thompson**, **Amy Bayliss**, **Valerie Strunk**, and **Peter Altenbruger** have developed and implemented a new clinical cases course presented by faculty, clinical faculty, adjunct faculty, doctoral students, and guest lecturers in a Grand Rounds format which will immerse 3rd year DPT students into the clinical decision-making process. Using real patient cases, students will interpret, examine, and contribute clinical information relevant to each patient case. Presentations feature a collaborative discussion format, facilitating engagement in areas of clinical decision-making, clinical reasoning, and critical thinking in a collaborative, mentoring environment. Students will also participate in interprofessional education exercises.

Research, Scholarship & Creative Activity

Grants

- **Peter Altenburger** received funding from the Multiple Sclerosis Society for G-EO Gait Rehabilitation Training in Progressive Multiple Sclerosis, \$33,000.
- **CJ Liu** received a grant entitled "Translating 3-Step Workout for Life into the senior living communities" from the Indiana Clinical and Translational Sciences Institute Community Health Engagement Program for \$25,000.
- **Tim Scully** received a \$500 course learning grant from the IUPUI CyberLab to execute Course Networking in his freshmen learning seminar courses.
- **William Thompson** received funding from the Indiana Center for Translational Sciences Institute to generate an osteocyte-specific mouse using Crispr/Cas9-mediated insertion of Loxp sites in the Cacna2d1 gene, \$10,000.

Poster Sessions

- **Allen M**, Voytek M. Perceptions of Students and Faculty of Compressed Courses: A Pilot Study. Arizona Occupational Therapy Association. 2016 Annual State Conference, Phoenix, Arizona. September 2016.
- **Avin KG**, Chen NX, Moe SM, Allen MR, Organ JM. Aerobic Exercise Restored the Regenerative Profile and Myostatin Expression in a Rat Model of Chronic Kidney Disease. Exercise and Physical Activity in Aging, Indianapolis, IN, July 2016.
- **Dierks TA**, Nittoli VC, Arnold TW, Fletcher J, **Pociask J***. Does training on an Alter G treadmill influence lower extremity isokinetic muscle performance in high school cross country runners: a feasibility study. Proceedings of the St. Vincent Health 12th Annual Research Symposium. Indianapolis, IN, July 2016.



Dean's Quarterly Updates

Research, Scholarship & Creative Activity (cont.)

Poster Sessions (cont.)

- Hendrie H, Zheng M, **Li W**, Lane K, Ambuehl R, Purnell C, Unverzagt F, Torke A, Balasubramanyam A, Callahan C, Gao S. Decline in Glucose Levels Precedes Dementia in Elderly African-Americans with Diabetes. Alzheimer's Association International Conference, Toronto, Canada. July 2016.
- **Li W**, Risacher SL, McAllister TW and Saykin AJ. Age at Injury and the Long-Term Cognition Outcome of Traumatic Brain Injury in the ADNI Cohort. Alzheimer's Association International Conference, Toronto, Canada. July 2016.
- **Li W**. The Underlying Mechanism for T2DM as a Risk Factor for Cognition Impairments. Alzheimer's Association International Conference, Toronto, Canada. July 2016.
- **Scott P, Dierks T**. Creating an Infrastructure for Professional Development and Mentoring in the School of Health and Rehabilitation Sciences. IUPUI 2016 Mentoring Symposium. September 2016.
- **Scully T**. Enhancing Experiential Learning Through Social Media. IUPUI ePortfolio Symposium. September 2016.
- **Thompson WR**, Li Y, Uzer G, Rubin J. Myosin Motors Direct mTORC2 Recruitment to the Cell Membrane to Regulate MSC Lineage Fate. ASBMR 38th Annual Meeting, Atlanta, GA, 2016.
- Unverzagt F, Zheng M, **Li W**, Li S, Ambuehl R, Callahan C, Hendrie H. A Time Varying Association Between Cholesterol Levels and Cognitive Function. Alzheimer's Association International Conference, Toronto, Canada, July 2016.

Presentations

- **Allen M**, Voytek M. Perceptions of Students and Faculty of Compressed Courses: A Pilot Study. Educational Panel Presentation at New Mexico Occupational Therapy Association Conference and Annual Business Meeting in Albuquerque, New Mexico. September 2016.
- Brown T, **Crabtree JL**, Mu K, Wells J. The Entry-Level Occupational Therapy Clinical Doctorate (OTD): The Next Paradigm Shift in Health Professional Education? Podium presentation at the 2016 Council of Occupational Therapists for the European Countries (COTEC) and the European Network of Occupational Therapy in Higher Education (ENOTHE) Congress, Galway, Ireland. June 2016.
- **Comer A**. Invited Lecture. Determining Medical Decision Making Capacity. Eskenazi Hospital.
- **Crabtree JL**. Invited speaker, Medical Ethics: A Brief Overview. 1-hour lecture. LIH Olivia's Place, Shanghai, China. September 2016.
- **Crabtree JL, Kuo F**. Invited speakers. Cognitive Rehabilitation & Community Mobility as a Metaphor for Functional Cognition. One and a half hour workshop. School of Rehabilitation Therapy, Shanghai TianHua College, Shanghai, China. September 2016.
- **Crabtree JL, Kuo F**. Invited speakers. Cognitive Rehabilitation & Community Mobility as a Metaphor for Functional Cognition. Two hour workshop. School of Rehabilitation Therapy, Shanghai TianHua College, Shanghai, China. September 2016.
- **Crabtree JL, Kuo F**. Invited speakers. Cognitive Rehabilitation: Don't Leave Home without It. One hour lecture. Shanghai Traditional Chinese Medicine 60th Anniversary Celebration, Shanghai University, China. September 2016.
- **Crabtree JL, Kuo F**. Invited speakers. Cognitive Rehabilitation & Community Mobility as a Metaphor for Functional Cognition. Three hour workshop. Shanghai Traditional Chinese Medicine (TCM) School of Rehabilitation Medicine, Shanghai University, China. September 2016.
- **Crabtree JL**, Ohm D, Wall JM, Ray J. Evaluation of a Prison Informal Occupational Therapy Community Re-entry Program. Podium presentation at the 2016 Council of Occupational Therapists for the European Countries (COTEC) and the European Network of Occupational Therapy in Higher Education (ENOTHE) Congress, Galway, Ireland. June 2016.



Dean's Quarterly Updates

Research, Scholarship & Creative Activity (cont.)

Presentations (cont.)

- **Janson JR.** Upper Limb Prosthetic Training: A Survey of Occupational Therapy Program Curricula and a Proposed Novel Experiential Learning Activity Presentation at the IU SHRS Department of Occupational Therapy 12th Annual OT Professional Development Workshop, Indianapolis, IN. August 2016.
- **Loghmani MT.** Invited speaker. Mechanotherapy: A Way to Get Stem Cells Moving. Cryptic Masons Medical Research Foundation – Scientific Overview Symposium, Indianapolis, IN, September 2016.
- **Scully T.** Career Competencies for Academic Advisors at the IUPUI New Advisor Academy. September 2016.

Publications

- **Arnold BL,** Schilling B. (2016). Evidence-Based Practice in Sport and Exercise: A Practitioner's Guide to Using Research. Philadelphia, PA: F.A. Davis Company.
- **Comer AR,** Gaffney M, Stone C, Torke AM. Physician understanding and application of surrogate decision-making laws in clinical practice. *AJOB Empirical Research*. doi: 10.1080/23294515.2016.1234520.
- **Crabtree JL, Scott PJ, Kuo F.** (2016) "Peer Observation and Evaluation Tool (POET): A Formative Peer Review Supporting Scholarly Teaching," *The Open Journal of Occupational Therapy*: Vol. 4: Iss. 3, Article 9. doi. org/10.15453/2168-6408.1273.
- **Crabtree JL,** Wall JM, Ohm D. (in press). Critical Reflections on Participatory Action Research in a Prison Setting: Toward Occupational Justice. *Occupational Therapy Journal of Research*. Epub ahead of print. doi:10.1177/1539449216669132.
- Haglund L, Bowyer P, **Scott P,** Taylor R. "The Model of Human Occupation, the ICF, and the Occupational Therapy Practice Framework: Connections to Support Best Practice Around the World", In Taylor RR (ed.). *Kielhofner's Model of Human Occupation (Fifth Edition)*. New York: Wolters-Kluwer.
- Kramer J, Forsyth K, Lavedure P, **Scott P,** Shute R, Maciver D. Ch 16: Self Report Instruments, in Taylor RR (ed.). *Kielhofner's Model of Human Occupation (5th Edition)*. New York: Wolters-Kluwer.
- **Li W,** Risacher SL, McAllister TW, Saykin AJ. Traumatic Brain Injury and Age at Onset of Cognitive Impairment in older adults. *J Neurol*. 2016 Jul;263(7):1280-5.
- **Li W,** Risacher SL, Huang E, Saykin AJ. Type 2 Diabetes Mellitus is Associated with Brain Atrophy and Hypometabolism in the ADNI Cohort. 2016 Aug 9;87(6):595-600. doi: 10.1212/WNL.0000000000002950. Epub 2016 Jul 6.
- **Loghmani MT,** Bane S. Instrument-assisted Soft Tissue Manipulation: Evidence for its Emerging Efficacy. August 2016. DOI: 10.4172/2165-7025.S3-012.
- **Massie CL,** Christenson C, Durand-Sanchez A. Repetitive Motor Practice Impacts Neuromuscular System Plasticity in Healthy and Stroke Populations. *International Journal of Neurorehabilitation*. 2016, 3: 22.
- **Munk N,** Shue S, Freeland E, Ralston, RK, & Boulanger K. (2016). Identifying Inconsistencies and Reporting Deficits in Therapeutic Massage and Bodywork (TMB) Case Reports Authored by TMB Practitioners: A TMB Adapted CAsE REport (CARE) Guidelines Audit Through 2014. *International Journal of Therapeutic Massage and Bodywork*,9(3), 3-14.

Civic Engagement

- **Amber Comer** was an Indiana Secretary of State, Kid's Election volunteer where she gave a presentation on election law and policies to Indiana Elementary School Students.
- **Robin Janson** gave an Orthotics in-service as well as promoted the Post-professional OTD, and expressed gratitude for Eskenazi taking IU OT students and being available for guest lectures in the IU OT program, September 2016.
- **Kathy Weaver** was a Member of Review Panel to determine recipients of the Helen Scheibner Public Health Scholarship.



Dean's Quarterly Updates

Civic Engagement (cont.)

- BSHS Students **Zach Weniger***, **Alex Crump***, **Hayley Trinkle***, **Elizabeth Berrones***, **Breanna Johnson***, and **Courtney McGrew*** were hired as student mentors in the BSHS Program to support the IU-HCOP Grant.
- 8 student members of **Mary Beth Brown's** lab joined her at the Pulmonary Hypertension Association's fundraiser walk "O2 Breathe" in Carmel, IN. Dr. Brown gave the 'medical keynote address' at the start of the event. September 2016.

External Awards and Appointments

- **Keith Avin** was the recipient of the Emerging Leader Award from the American Physical Therapy Association.
- **Delana Gifford** received the IUPUI Carol D. Nathan Staff Scholar Recognition Award.
- **Wei Li** was appointed as a Reviewer for The American Journal of the Medical Sciences.
- **Wei Li** was appointed as Asian-Pacific American Faculty and Staff Council Board member.
- **Niki Munk** provided peer-review for BMC Complementary and Alternative Medicine.
- **Patricia Scott** was appointed Director of the Post-Professional Doctorate in Occupational Therapy
- **Tim Scully** was recognized with a "High Five" Award for outstanding service to the Midwest Association of Colleges and Employers at their annual conference, July 2016.
- **Tim Scully** was recognized by the IUPUI Career Services Council for his service as Vice Chair from 2014-2016.
- **Tim Scully** was appointed faculty advisor for the Alpha Sigma Alpha Sorority Theta Zeta Chapter at IUPUI.
- **Stuart Warden** was named the 2016 Outstanding Editor of the Year by the Journal of Orthopaedic & Sports Physical Therapy.
- **Emma Wolter***, BSHS '18 received a \$1,000 scholarship from the Indiana Public Health Association (IPHA).