



SCHOOL OF HEALTH AND REHABILITATION SCIENCES

DEAN'S QUARTERLY UPDATES

January - March 2016

Teaching & Learning

- **Amber Comer, JD, PhD** was listed as a mentor for 2 students in the Health & Life Sciences Internship Program.
- **Amber Comer, JD, PhD** was identified as an IUPUI Translating Research Into Practice (TRIPS) Scholar and recognized as an IUPUI Athletics Favorite Professor.
- **Sharon Pape, MS OT** is a faculty advisor to the IU Health Careers Opportunity Program (IU HCOP) to coordinate Saturday Academy site visits at the IU Student Outreach Clinic (IU SOC) in Spring 2016.
- **Sharon Pape, MS OT** and **Terry Loghmani, PhD, PT** coordinated Lunch and Learn Lecture for IU Occupational and Physical Therapy student volunteers at IU SOC with Perry Mervar, OT of Lantz Medical. *Navigating in the Rehabilitation Landscape*, March 22, 2016.
- **Patricia Scott, PhD, MPH, OT, FAOTA** conducted three sessions of InterProfessional Teaching Grand Rounds on February 24, March 2 and March 9, 2016 for 215 students from Nursing, Occupational Therapy, Physical therapy and Public Health.
- **Tim Scully, MS** was appointed Director of College Membership for the Midwest Association of Colleges and Employers (Midwest ACE).
- **Tim Scully, MS** assisted with the inaugural Simulation Lab with 5 BSHS students at the Eskenazi Outpatient Clinic on March 5, 2016.
- **Tim Scully, MS** assisted **Emily Atkinson, BSHS** with her application to the PhD program in Anatomy and Cell Biology at the IU School of Medicine. Emily was admitted to the program on April 12, 2016.
- **Tim Scully, MS** assisted **Ellen Benjamin, BSHS** in preparation for her on campus interview at Brenau University in Georgia. Ellen was offered admission to their Occupational Therapy program.
- **Tim Scully, MS** assisted **Trevor Cunningham, BSHS** on getting an internship with JumpIN for Health Kids of Indianapolis.

Research, Scholarship & Creative Activity

Abstracts

- **Comer AR.** The Effect of Air Quality on Stroke and Cardiovascular Incidents and Mortality. International Stroke Conference 2016. Early Stage Investigator Grant Proposal Mentoring Session.
- **Comer AR, Comer AD.** Ethical Obligations versus Fear of Legal Recourse: Balancing Law, Ethics, Efficacy, and Safety Issues when Determining Whether a Patient is a Candidate for tPA. American Academy of Neurology Annual Conference.
- **Handt R, Loghmani MT.** Mechanotherapy in the emerging field of regenerative rehabilitation: what's the evidence? JOSPT 2016;46(1):A94OP086.
- **Loghmani MT, Fuller EM, Handt R, Neff B, Seasley L, Swartz C, Whitted M, March KL.** Instrument-assisted soft tissue mobilization in healthy young adult males mobilizes tissue-resident mesenchymal stem cells into circulation. JOSPT 2016;46(1):A107OP0116.
- **McConnell JC, Crusier S, Warden SJ, Bayliss AJ.** Instrument-assisted soft tissue mobilization alters material and mechanical properties in Achilles tendinopathy. JOSPT. 46(1): A114. 2016.

Grants

- **Amber Comer, JD, PhD** received a Service Learning Assistant Scholarship. Academic year funding for graduate student assistant for 10 hours per week.

Poster Sessions

- **Browning M, Roe D, Duncan M, Hage D, O'Palka J, Blackburn S, and Wu J.** Body composition and lung transplantation outcomes: a retrospective study. Presented at American Society for Parenteral and Enteral Nutrition Clinical Week, Dallas TX.
- **Collins CM, Gupta S, Hellman Y, Hadi A, Farber MO; Lahm T; Brown MB.** Combined Sections Meeting of the APTA, Anaheim, February 19, 2016: Clinical investigation of a daily walking program plus L-arginine supplementation for the treatment of pulmonary arterial hypertension.
- **Crusier S, Enochs H, Hidde R, McGill M, Tom L, Pape S, Loghmani T.** Collaboration Between Physical Therapy and Occupational Therapy at a Pro Bono Student Outreach Clinic: Positive Interprofessional Education Outcomes. APTA Combined Sections Meeting, Anaheim CA, February 19, 2016.
- **Enochs H, Loghmani T, Norris K, Altenburger P.** Measuring change in Students' Civic-Mindedness Following Participation in a Pro-Bono Community Outreach Clinic at the Combined Sections Meeting of the APTA. Anaheim, CA, February 2016.
- **Enochs H; Loghmani T, Norris K, Altenburger A.** Measuring change in Students' Civic-Mindedness Following Participation in a Pro-Bono Community Outreach Clinic." APTA Combined Sections Meeting, Anaheim CA, February 19, 2016.
- **Fuller E, Handt R, Neff B, Seasley L, Swartz C, Whitted M, March K, and Loghmani T.** Instrument-Assisted Soft Tissue Mobilization in Healthy Young Adult Males Mobilizes Tissue-Resident Mesenchymal Stem Cells into Circulation APTA Combined Sections Meeting, Anaheim CA, February 18, 2016.



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Research, Scholarship & Creative Activity (cont.)

Poster Sessions (cont.)

- **Handt R, Loghmani T.** Mechanotherapy in the Emerging Field of Regenerative Rehabilitation: What's the Evidence? APTA Combined Sections Meeting, Anaheim CA, February 18, 2016.
- **McConnell J, Cruser S, Studebaker S, Warden SJ, Bayliss AJ.** Instrument assisted soft tissue mobilization alters material and mechanical properties in Achilles tendinopathy. Combined Sections Meeting of the American Physical Therapy Association, February 20, 2016.
- **Pape S, Tom L, McGill R, Enochs H, Loghmani T.** What's the Difference between Occupational Therapy and Physical Therapy? How a Student-Led Inter-Professional Outreach Clinic Addresses This Question. Poster presented at the 2016 Society of Student Run Free Clinics Annual Conference Phoenix, AZ, January 30, 2016.
- **Scheidler C, Zambon K, Mathews C, Zehr A, Sigmund S, Denning N, Cardinal R, Altenburger P.** The Influence of Training Environment on Self-Selected Gait Speed. Combined Sections Meeting of the American Physical Therapy Association, February 20, 2016.
- **Watson A, Strunk V, Loghmani MT, Bayliss AJ, Altenburger P.** Using a Complex Case Study Learning Activity for Timely Curricular Assessment of a First Year DPT Curriculum. Combined Sections Meeting of the American Physical Therapy Association, February 20, 2016.
- **Watson A, Loghmani T, Bayliss A, Altenburger P, Strunk V.** Using a Complex Case Study Learning Activity for Timely Curricular Assessment of a First Year DPT Curriculum at the Combined Sections Meeting of the APTA. Anaheim, CA, February 2016.
- **Watson A, Loghmani T, Bayliss A, Altenburger P, Strunk V.** Using a Complex Case Study Learning Activity for Timely Curricular Assessment of a First Year DPT Curriculum. APTA Combined Sections Meeting, Anaheim CA, February 19, 2016.

Presentations

- **Brown MB.** Optimizing Exercise Prescription for Pulmonary Arterial Hypertension: Insight Gained from Acute and Chronic Exercise Studies in Rodent Models and in Patients. Invited talk at the Georgia Institute of Technology, Atlanta, GA, March 9, 2016.
- **Brown MB.** Optimizing Exercise Prescription for Pulmonary Arterial Hypertension: Insight Gained from Acute and Chronic Exercise Studies in Rodent Models and in Patients. Invited talk at Emory University School of Medicine, Decatur, GA, March 10, 2016.
- **Comer A.** Indiana University School of Medicine, Medical Ethics Course. Ethical and Legal Issues surrounding Physician Aid-In Dying.
- **Comer A.** Regenstrief Institute. Works in Progress Session: The Effect of Air Quality on Stroke and Cardiovascular Incidents.
- **Graber J, Gladish B,** Evandro N, Novack R, Fisher A, Presson R, Petrache I, Lahm T, Kinle J, **Brown MB.** High intensity interval training vs continuous training in a rat model of pulmonary hypertension: impact on aerobic capacity, hemodynamics and right ventricular remodeling.
- **Long G.** Novel telemetric recording of exercise hemodynamics over disease development in three different rat models of pulmonary vascular disease. Invited talk to the Indiana Physiological Society, DePauw University, Feb 27, 2016. Authors: **Gary Long,** Evandro Neves, Tim Lahm, Jeff Kline, **Mary Beth Brown.**
- **Munk N.** Complementary and Integrative Medicine (CIM): Introduction & Consideration. Invited Speaker for Dr. Arnold's W210 course - Introduction in Rehabilitation Science, March 9, 2016.
- **Scully T.** Career Planning Competencies at the IUPUI New Advisor Academy on February 10, 2016.
- Umoren RA, Sweigart L, Gossett E, **Scott P,** McCabe H, Das R. Preparation for Interprofessional Learning through TeamSTEPPS Virtual Teams. Poster Presentation at the 2016 International Meeting on Simulation in Healthcare, San Diego, CA, January 18-20, 2016.
- Umoren RA, Sweigart L, Gossett E, Fillwalk J, Hodson-Carlton K, McCabe H, **Scott P,** Truman B, Das RR. TeamSTEPPS Virtual Teams Increase Readiness for Interprofessional Learning. Demonstration at 2016 International Meeting on Simulation in Healthcare, San Diego, CA, January 18-20, 2016.

Publications

- Clark DO, Lane KA, Ambuehl R, Tu W, **Liu CJ,** Unroe K, Callahan CM. Age differences in the association between body mass index class and annualized medicare expenditures. *Journal of Aging and Health* 2016;28:165-79.
- Durand-Sanchez A, **Massie CL.** Non-invasive brain stimulation in the management of traumatic brain injury. *Brain Injury Professional* 2016;12:16-8.



Research, Scholarship & Creative Activity (cont.)

Publications (cont.)

- Linens SW, Ross SE, **Arnold BL**. Wobble board rehabilitation for improving balance in ankles with chronic instability. *Clinical Journal of Sports Medicine* 2016;26:76-82.
- Livorsi D, **Comer AR**, Matthias MS, Perencevich EN, Bair MJ. Barriers to guideline-concordant antibiotic use among inpatient physicians: a case vignette qualitative study. *Journal of Hospital Medicine* 2016;11:174-80.
- Meijome TE, Baughman JT, Hooker RA, Cheng Y-H, Ciovacco WA, Balamohan SM, Srinivasan TL, Chitteti BR, Eleniste PP, Horowitz MC, Srour EF, Bruzzaniti A, **Fuchs RK**, Kacena MA. c-Mpl is expressed on osteoblasts and osteoclasts and is important in regulating skeletal homeostasis. *Journal of Cellular Biochemistry* 2016;117:959-69.
- **Munk N**. Departing thoughts from IJTM's Practice Section Editor: Critical Inquiry, Dichotomy vs. Continuum, and Improving TMB Discourse. *International Journal of Therapeutic Massage and Bodywork* 2016;9;1-3.
- Organ JM, Srisuwananukorn A, Price P, Joll JE, Biro KC, Rupert JE, Chen NX, **Avin KG**, Moe SM, Allen MR. Reduced skeletal muscle function is associated with decreased fiber cross-sectional area in the Cy/+ rat model of progressive kidney disease. *Nephrology, Dialysis, Transplantation* 2016;31:223-30.
- Robinson M, **Fisher TF**, Broussard K. Role of occupational therapy in case management and care coordination for clients with complex conditions. *American Journal of Occupational Therapy* 2016;70:7002090010 (6 pages).
- **Thompson WR**, Scott A, **Loghmani MT**, Ward SR, **Warden SJ**. Understanding Mechanobiology enabling Physical Therapy to be a Force in Mechanotherapy. *Physical Therapy* 2016;96:560-9.
- Schmid AA, **Miller KK**, Van Puymbroeck M, Schalk N. Feasibility and results of a case study of yoga to improve physical functioning in people with chronic traumatic brain injury. *Disability and Rehabilitation* 2016;38:914-20.
- **Schultz MA**, Doty M. Why the history and physical examination still matter. *Journal of American Academy of Physician Assistants* 2016;29:41-5.
- Sweigart L, Umoren RA, **Scott P**, Hodson Carlton K, Jones J, Truman B, Gossett E. Virtual TeamSTEPPS® simulations produce teamwork attitude changes among health professions students. *Journal of Nursing Education* 2016;55:1-5.
- Weatherholt AM, **Warden SJ**. Tibial bone strength is enhanced in the jump leg of collegiate-level jumping athletes: a within-subject controlled cross-sectional study. *Calcified Tissue International* 2016;98:129-39.
- Woodhouse L, Gandhi R, **Warden SJ**, Poiraudeau S, Myers SL, Benson CT, Hu L, Ahmad QI, Linnemeier P, Gomez EV, Benichou O, on behalf of the study investigators. A phase 2 randomized study investigating the efficacy and safety of myostatin antibody LY2495655 versus placebo in older patients undergoing elective total hip arthroplasty. *Journal of Frailty and Aging* 2016;5:62-70.
- Wright CJ, **Arnold BL**, Ross SE. Altered kinematics and time to stabilization during drop-jump landings in individuals with or without functional ankle instability. *Journal of Athletic Training* 2016;51:5-15.

Video/Audio Podcasts, Blogs, and Other Contributions

- **Munk N**, Reynolds, M., Werner, R. (Narrators). (2016, March 23 @ 10:00AM). Research Perch 28: Perceptions of Massage Therapists Participating in a Randomized Controlled Trial. [Audio & Video podcast]. Available at: <http://info.massagetherapyfoundation.org/blog/perceptions-of-massage-therapists-participating-in-a-randomized-controlled-trial-research-perch>.
- **Munk N**, Reynolds, M., Werner, R. (Narrators). (2016, March 2 @ 10:00AM). Research Perch 27: Report of the NIH Task Force on Research Standards for Chronic Low Back Pain. [Audio & Video podcast]. Available at: <http://info.massagetherapyfoundation.org/blog/report-of-the-nih-task-force-on-research-standards-for-chronic-low-back-pain-research-perch>.
- **Munk N**, Reynolds, M., Werner, R. (Narrators). (2016, Feb. 10 @ 10:00AM). Research Perch 26: Relief from Back Pain Through Postural Adjustment: A Controlled Clinical Trial of the Immediate Effects of Muscular Chains Therapy (MCT). [Audio & Video podcast]. Available at: <http://info.massagetherapyfoundation.org/blog/massage-therapy-for-cervical-degenerative-disc-disease-alleviating-a-pain-in-the-neck-research-perch>.
- **Munk N**, Reynolds, M., Werner, R. (Narrators). (2016, Jan. 13 @ 10:00AM). Research Perch 25: Massage Therapy for Cervical Degenerative Disc Disease: Alleviating a Pain in the Neck?. [Audio & Video podcast]. Available at: <http://info.massagetherapyfoundation.org/blog/massage-therapy-for-cervical-degenerative-disc-disease-alleviating-a-pain-in-the-neck-research-perch>.



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Civic Engagement

- **Martina Allen, OTD, OTR** was a pediatric OT Consultant at CYC in January and February 2016.
- **Gaylen Kelton, MD** and **Wei Li, MD, PhD** were invited panel members at Carmel High School, Project-Based Learning Community Outreach Event, March 9, 2016.
- **Niki Munk, PhD, LMT** provided editorial services as Practice and Education Section Editor for the International Journal of Therapeutic Massage and Bodywork.
- **Niki Munk, PhD, LMT** served as a committee member on the PhD Program Admissions Committee, IU School of Health and Rehabilitation Sciences for incoming Fall 2016 cohort.
- **Patricia Scott, PhD, MPH, OT, FAOTA** assisted with the IU SOC program on March 5, 2016.
- **Valerie Strunk, PT, MS** was the workshop leader for Physical Therapy at the 2016 Sycamore STEM conference attended by 400 Middle School girls on Saturday March 12, titled "Curiosity, Confidence, Challenge". Professor Strunk also recruited professionals from OT, SLP, Pharmacy and Nursing to participate in the conference this year.
- **Valerie Strunk, PT, MS** presented a national APTA CI Credentialing Course at the University of St. Francis on March 16-17, 2016, which resulted in 42 newly credentialed PTs and PTAs clinical instructors from across 4 states.

Best Practices

- **Patricia Scott, PhD, MPH, OT, FAOTA** was an invited reviewer of Curriculum Enhancement Grants (CEG) grants, IUPUI Center for Teaching and Learning.

External Awards and Appointments

- **Peter Altenburger, PhD, PT, Terry Loghmani, PhD, PT, Sharon Pape, MS OT** and their students were the recipients of two community engagement blue ribbons from the section on Health and Administration at the Combined Sections Meeting of the APTA. Anaheim, CA, February 2016.
- **Mary Beth Brown, PT, ATC, PhD** was awarded the 2016 American College of Sports Medicine (ACSM) New Investigator Award.
- **Mary Beth Brown, PT, ATC, PhD** was invited to serve as NIH reviewer- Special Emphasis Panel/Scientific Review Group 2016/05 ZRG1 CVRS-Q (80) on March 22, 2016.
- **Amber Comer, JD, PhD** was appointed to the IUPUI Institutional Review Board (IRB) Policy Working Committee on Decisionally Impaired Subjects. Working to set IU Research policy for consenting research subjects who are decisionally impaired.
- **Jeremy Graber, SPT** and **Brett Gladish, SPT** received the 2016 American Physical Therapy Association, Cardiovascular and Pulmonary Section research award for best platform presentation at the 2016 Combined Sections Meeting for their work with Dr. Brown, February 2016.
- **Gaylen Kelton, MD** was recognized by Global Health and Pharma as a leader in Travel Medicine, 2016.
- **Attie Kempf, SPT** was awarded the American Physical Therapy Association, Cardiovascular and Pulmonary Section research award for best poster presentation at the 2016 Combined Sections Meeting for her work with Dr. Brown, February 2016.
- **Wei Li, MD, PhD** was named a Reviewer for Journal of Diabetes.
- **Gary Long, PhD student**, with mentor **Mary Beth Brown, PhD, PT**, was awarded the 2016 Top Research Presentation, Indiana Physiological Society annual meeting, February 2016.
- **Tim Scully, MS** was appointed Director of College Membership for the Midwest Association of Colleges and Employers (Midwest ACE).
- **Tim Scully, MS** was appointed faculty advisor of Alpha Sigma Alpha Sorority on the IUPUI campus.
- **Valerie Strunk, MS, PT** was nominated for a 2016 IUPUI Women's Leadership Award.
- **Valerie Strunk, MS, PT** was named one of 12 appointees to the American Council of Academic Physical Therapy (ACAPT) Panel on Integrated Clinical Education. The work of the group is to make recommendations at the national level to ACAPT related to strategic initiatives in the area of Integrated Clinical Education.
- **William Thompson, DPT, PhD, Stuart Warden, PhD, PT, FACSM** and **Terry Loghmani, PhD, PT** were recognized for their manuscript titled "Understanding Mechanobiology enabling Physical Therapy to be a Force in Mechanotherapy" was selected by the "Faculty of 1000" placing it among the top 2% of published articles in biology and medicine.
- **Andrew Wiseman, SPT** and **Michael Mohr, SPT** of the GoBabyGo@IU student organization were awarded the Wayne Township 2016 Dare to Dream Award for their work with pediatric patients in Wayne Township Schools.