Dean's Quarterly Updates

Student Learning and Success

January - March 2017

Undergraduate Student Learning and Success

• Arash Zakeresfahani*, a student working in Niki Munk’s lab, presented ‘Deficits in Massage Therapy Related Adverse Events Case Reporting and Implications for the Therapeutic Massage and Bodywork Field: A Systemic Audit through Mid-2016’ at the IUPUI 2017 Student Research Day.

Graduate and Graduate Professional Education

• The Dietetic Internship Class of 2017 participated in the Indiana Academy of Nutrition & Dietetics Legislation Day at the State House on March 22nd. Over 100 registered dietitians and 70 students drawn from all over the State of Indiana treated their state legislators to lunch at the State Capitol. The keynote speaker for the event was Roberta L. Duyff MS, RD, author of The Academy of Nutrition and Dietetics Complete Food and Nutrition Guide, 5th Ed. The Department of Nutrition & Dietetics, in conjunction with the Indiana American Dairy Association, hosted a reception for Ms Duyff, and the dietetic interns had the opportunity to meet with her and discuss career development and the road to authorship.

• Doctoral student, Sarah Shue* successfully defended her dissertation proposal. She is supported by the Block Grant and works in Niki Munk’s Therapeutic Massage and Bodywork Outcomes Lab.

Advances in Health and Life Sciences

Research and Creative Activity

Abstracts

• Comer A. “Front Line Clinicians Divided on Necessity of Consent for tPA Administration During Acute Stroke” VA Health Services Research & Development National Conference.

Grants

• Terry Loghmani received a Release Time for Research Grant for her work “The effects of soft tissue manipulation on mesenchymal stem cell mobilization and homing, inflammation, pain, and behavior in rodents with chemically-induced low back pain,” $10,000.

• Crystal Massie and Peter Altenburger received funding from the Indiana State Department of Health for “Improving functional ability in chronic TBI with intensive rehabilitation robotic gait training,” $150,000.

• William Thompson received a grant from Marian University College of Osteopathic Medicine Faculty Development Grant (PIs: Julia Hum, William Thompson). “Role of the Auxiliary a21 Voltage Sensitive Calcium Channel in Skeletal Development and Mechanoregulation” (02/01/2017-05/14/2017): A pilot project to determine the skeletal phenotype Cacna2d1 global knockout mice, $4,044.

• William Thompson received a grant from Marian University College of Osteopathic Medicine Faculty Development Grant (PIs: Julia Hum, William Thompson). “Association of Perlecan with Voltage Sensitive Calcium Channels in Osteocytes” (02/01/2017-05/14/2017): A pilot project to determine the role of the ECM molecule perlecan on VSCC-mediated mechanosensation, $3,064.

Poster Sessions


• Allen M, Voytek M, Perceptions of Compressed Occupational Therapy Courses Among Students and Faculty: A Pilot Study. AOTA Conference. April 1, 2017.


Presentations


• **Mary Beth Brown** presented her research at the Indiana Physiological Society, Butler University: Six Weeks of Treadmill Training with a High Intensity Interval or Mild Continuous Exercise Approach Increases Cardiac Output in a Sugen-Hypoxia Rat Model of Pulmonary Arterial Hypertension, authors: Gary Long*, Andrea Frump, Amanda Fisher, Tim Lahm, **Mary Beth Brown**: platform presentation by Gary Long* (mentored PhD student) won 2nd place. February 2017.

• **Mary Beth Brown** gave an invited presentation at University of Heidelberg, Translational Lung Research Center, Heidelberg, Germany: Optimizing Exercise Prescription for Pulmonary Hypertension: Insight from Acute and Chronic Exercise Studies in Rodent Models and in Patients. March 2017.

Presentations (cont.)

- **Amber Comer** presented Legal and Ethical Issues with Indiana’s Healthcare Consent Law. Indiana University School of Medicine. Dr. Margarete Gaffney’s Ethics Course. February 2017.
- **Robyn Fuchs** and her research group gave a platform presentation on bone and muscle health in children with cerebral palsy at the Combined Sections Meeting, APTA, San Antonio, TX, February 2017. DPT students Courtney Goldsbury* and Piper Prange* gave the presentation.
- **Robin Janson** presented Introduction to Hand & Upper Extremity Rehabilitation lectures. Invited Speaker for Dr. Allen’s T552 course - Occupations of Adolescents and Young Adults.
- **William Thompson** gave an invited presentation at the ASBMR-Advances in Mineral Metabolism Meeting in Snow Mass, CO. “Mechanical Regulation of MSC Differentiation through mTORC2/Cytoskeletal Signaling.”

Publications

Dean’s Quarterly Updates
Advances in Health and Life Sciences

Research and Creative Activity (cont.)

Publications (cont.)


Niki Munk provided an online interview with Ruth Werner as a 2017 Educational Congress Presenter at the upcoming Alliance for Massage Therapy Education Conference, available at: https://www.youtube.com/watch?v=gs6_TMhs4os&t=136s.

Contributions to the Well-being of the Citizens of Indianapolis, Indiana, and Beyond

Community Engagement

• The IU Student Physical Therapy Organization hosted their first annual gala on February 4, 2017 at the Ritz Charles in Carmel. There were 100 attendees, including students, alumni, faculty, and staff and over $2,400 profit will support a student professional development fund. This award will provide students an opportunity to attend physical therapy conferences and/or research seminars. The gala was led by William Thompson and organized by current DPT students Deanna Proimos*, Dana Maslar*, and Stephanie Tellus.*

• Tracy Dierks and April Priest led second year DPT students in the implementation of multi-week health and wellness interventions at several Indianapolis community sites, which include the Hawthorne Community Center at The Retreat, the John H. Boner Community Center, the Hawthorne Community Center Preschool Program, and the George Washington Carver Montessori Elementary School.

• Robin Janson, Ashleigh Whiteman*, Austin Gray*, Jared Pulliam*, Kendall Harshberger*, Laura Sokolowski* volunteered at the Indiana Occupational Therapy Association Central District Meeting at SRT Prosthetics on February 23, 2017.

• Gaylen Kelton and Wei Li participated in the Carmel High School Project-Based Learning Community Outreach Event as a Panel member on February 21, 2017.

• Brenda Lawless served as a judge for the IUPUI Top 100.

• Wei Li volunteered at the Carmel Swim Club Winter Invitational, IUPUI Natatorium, Indianapolis, IN in January 2017.

• Terry Loghmani continues to collaborate with other IU schools, students and faculty volunteers to provide services at the IU Student Outreach Clinic (SOC) as IU SOC PT faculty advisor.

Inclusive Campus Climate

• Niki Munk moderated the SHRS 2017 Diversity Event: Unpacking the Unconscious: An Introduction to Implicit Bias.
Faculty and Staff

- **Niki Munk** was awarded the competitive three year Massage and Myotherapy Australia MT Fellowship with the UTS:ARCCIM International Complementary Medicine Research Leadership and Capacity Building Program.
- **Niki Munk** attended various professional development sessions offered by the IUPUI Academic Affairs and IU SHRS Mentoring Initiative including Halfway to Tenure, Dossier Preparation Workshop, and Setting Trajectories for Professional Development.
- **Wei Li** attended the 2017 E.C. Moore Symposium on Excellence in Teaching held at the IUPUI Campus Center.

Professional Engagement

- **Keith Avin** was elected Committee Chair for the Academy of Geriatric Physical Therapy Practice for the American Physical Therapy Association.
- **Mary Beth Brown** was invited and accepted to serve as NIH reviewer- Special Emphasis Panel/Scientific Review Group ZRG1 CVRS-L (80) AREA meeting, scheduled March 1, 2017.
- **Tracy Dierks** was an invited grant reviewer for the Indiana Spinal Cord and Traumatic Brain Injury Research Fund Grant Program, February 2017.
- **Niki Munk** served on the Massage Therapy Foundation’s Research Grant Review Board.
- **William Thompson** received the John Haddad Young Investigator Award from the Advances in Mineral Metabolism - American Society of Bone and Mineral Research, Snowmass, CO, 2017.