

DEPARTMENT OF BIOMEDICAL ENGINEERING

SPRING 2015 Seminar Series

Room 323 Robotics and Manufacturing Building

Fridays at 3:00 pm

- January** 30 **Brad Fleenor**, Ph.D., Assistant Professor, University of Kentucky, Kinesiology and Health Promotion, "Large Elastic Artery Stiffness: Novel Mechanisms and Translational Interventions"
- February** 13 **Qingguang Zhang**, Ph.D. Candidate, UK BME, "Human Blood Pressure Regulation: Effects of Partial Gravity and Hypergravity" **and**
Greg Wehner, Ph.D. Candidate, UK BME, "Magnetic Resonance Imaging of Cardiac Motion and Mechanics in Humans"
- 27 **Ashley Seifert**, Ph.D., Assistant Professor, University of Kentucky, Department of Biology, "Understanding Tissue Regeneration through Comparative Biology"
- March** 6 **Amir Al-Bakrei**, Ph.D. Candidate, UK BME, "Spatiotemporal Analysis of High Frequency Oscillation as a New Biomarker in Epilepsy" **and**
Asma'a Ajwad, Ph.D. Student, UK BME, "The Effect of Ambient Temperature on Sleep in Mice"
- 13 **Mingjun Zhao**, Ph.D. Candidate, UK BME, "Non-contact Diffuse Optical Assessment of Hemodynamics in Wounded Human Tissue"
- 20 **Spring Break**
- 25 **College of Engineering Biomedical Research Day** held in conjunction with the Annual CCTS Spring Conference at the Lexington Convention Center (note the different day and location)
- 27 **Emily Croft**, M.S. Student, UK BME, "Acting Mechanisms of Spinal Manipulations for Low Back Pain-Mechanical Pathways" **and**
Min Song, M.S. Student, UK BME, "Optimizing Mechanobiological Conditions for Promoting Endothelial Sprouting in Vitro"
- April** 3 **Lixin Dong**, Ph.D. Candidate, UK BME, "Diffuse Optical Prediction of Head and Neck Tumor Hemodynamic Responses to Radiation Therapy" **and**
Lian He, Ph.D. Candidate, UK BME, "Noncontact Diffuse Correlation Tomographic Imaging for Breast Tumor in Clinical Application"
- 10 **Weikai Kong**, M.S. Student, UK BME, "Noninvasive Optical Assessment of Cerebrovascular Disease in an Older Population" **and**
Ahmed Bahrani, Ph.D. Candidate, UK BME, "Quantification of Cerebral Blood Flow in Elderly Subjects with Low or High Risk for Cardiovascular Disease"
- 17 **David Pienkowski**, Ph.D., M.B.A., Associate Professor, UK BME, ME 440 Student Project "The Smart Chair" **and**
Jim Crawford, M.S. Student, UK BME, "Enhanced Pediatric ATV Safety via Improved Rider-Vehicle Fit Metrics"
- 24 **Amir Najarzadeh**, Ph.D. Student, UK BME, "Fabrication and Characterization of Hybrid Polymeric Scaffolds" **and**
Milad Vazirian, Ph.D. Candidate, UK BME, "Age-related Changes in Sagittal Plane Trunk Motion during Flexion-extension"