

# DEPARTMENT OF BIOMEDICAL ENGINEERING

## SPRING 2016 Seminar Series

Room 323 Robotics and Manufacturing Building  
Fridays at 3:00 pm

- February**
- 5 **Josh Lambert**, Scientist I **and Eric Roemmele**, Graduate Research Assistant, UK Statistics Department, “Experimental Design, Basic Statistics and Sample Size Calculation”
- 12 **Xiaopeng Ning**, Ph.D., Assistant Professor, Industrial and Management Systems Engineering, West Virginia University, “Industrial Ergonomics: Current Research and Future Applications”
- 19 **Matt Brown**, Ph.D., Research Scientist, Intralink Spine Inc., “Long Term Biocompatibility of Intradiscal Injections with Genipin in Ovine Model”
- March**
- 4 **Cato Laurencin**, M.D., Ph.D., University of Connecticut, College of Engineering Dean’s Distinguished Lectureship, “Regenerative Engineering: Innovative Technologies to Answer Grand Challenges”
- 11 **Amir Najarzadeh**, Ph.D. Candidate, UK BME, “Functionally Graded Polymeric Scaffolds for Tissue Engineering Applications” **and**  
**Alex Chen**, Ph.D. Student, UK BME, “Temperature and pH Dependent Degradation of AH6 3:1 and AH6 5:1 Poly (beta-amino ester) Polymers”
- 25 **Mingjun Zhao**, Ph.D. Candidate, UK BME, “Noninvasive Quantification of Postocclusive Reactive Hyperemia in Mouse Thigh and Tail by Near-infrared Diffuse Correlation Spectroscopy” **and**  
**Ahmed Bahrani**, Ph.D. Candidate, UK BME, “Cerebral Blood Flow Measurement in an Elderly Population”
- April**
- 1 **Amir Al-Bakrei**, Ph.D. Candidate, UK BME, “HFO Activity is Correlated with Vigilance Changes in the Epileptic Brain” **and**  
**Asma’a Ajwad**, Ph.D. Candidate, UK BME, “Sleep Regulation as Epilepsy Therapy: A Study of the Effects of Ambient Temperature on Mouse Sleep”
- 8 **Chris Schildt**, M.S., UK BME, “An Electroencephalographic (EEG) Interface to Assist in Motor Rehabilitation” **and**  
**David Wasemiller**, M.S., UK BME, “Analysing R-wave Amplitude Alternans in ECG Signals”
- 15 **Greg Wehner**, Ph.D. Candidate, UK BME, “Image Distortions in Spiral DENSE MRI or: How I Learned to Stop Worrying and Love the Fourier Transform” **and**  
**Scott Thalman**, Ph.D Candidate, UK BME, “Magnetization Transfer Weighted Imaging of Myocardial Fibrosis”
- 22 **Dillon Huffman**, Ph.D. Student, UK BME, “Applications of Somatosensory Stimulation for Non-invasive Brain State Modulation” **and**  
**Drew Jones**, M.S., UK BME, “Reference Point Indentation of Trabecular Bone”
- 29 **Taylor McKenty**, M.S., UK BME, “Mechanistic-based Exploration of Pressure-sensitive Tube Formation by Human Microvascular Endothelium”

**\*NOTE DIFFERENT DAY AND TIME**