

Department of Biomedical Engineering

SPRING 2014 Seminar Series Fridays at 3:00 pm Room 323 Robotics and Manufacturing Building

- February** 14 **Claudia Angeli**, Ph.D., Manager, Human Locomotion Research Center-Frazier Rehab Institute, University of Louisville, Postponed.
- 28 **Megan Phillips**, Ph.D. Candidate, “Military Body Armor: Risk of Musculoskeletal Injury and Hindered Performance” **and**
Cheryl Rabek, Ph.D. Candidate, “Sequential Release from Flexible Drug Delivery Films”
- March** 7 **Lumy Sawaki**, M.D., Ph.D., Associate Professor, Physical Medicine and Rehabilitation, University of Kentucky, “Neuromodulation Strategies for Treatment of Stroke and Spinal Cord Injury”
- 14 **Lixin Dong**, Ph.D. Candidate, UK BME, “The Impact of HPV on Hemodynamic Responses of Head and Neck Cancers to Radiation Therapy” **and**
Lian He, Ph.D. Candidate, “Computer Simulation on Diffuse Optical Imaging of Breast Tumor”
- 21 **Spring Break**
- 28 **Sandeep Ramineni**, Ph.D. Candidate, UK BME, “Mucoadhesive Films for Oral Mucosa Wound Healing” **and**
Paul Fisher, Ph.D. Candidate, UK BME, “Drug Delivery and Mechanical Properties of Injectable, Hydroxyapatite/Hydrogel/Poly(lactic-co-glycolic acid) Composites”
- April** 4 **Chris Richards**, Ph.D., Assistant Professor, Chemistry, University of Kentucky, “Optical and Spatial Isolation of Membrane Receptors for Single Event Imaging”
- 11 **Bryan Orellana**, Ph.D. Candidate, UK BME, “Tunable Drug Delivery from Bilayered Calcium Sulfate Composites” **and**
Amir Najarzadeh, Ph.D. Student, UK BME, “Time-Dependent Development of Porosity in Hybrid Polymeric Scaffolds”
- 18 **Rebecca Tromp**, M.S. Candidate, UK BME, “Body Armor Induced Changes in the Trunk Mechanical and Neuromuscular Behavior” **and**
Mingjun Zhao, Ph.D. Student, UK BME, “Measurements of Tissue Metabolic Rate of Oxygen Consumption in Skeletal Muscle using Arterial and Venous Occlusive Protocols”
- 25 **Nick Andersen**, M.S. Candidate, UK BME, “PLGA Microsphere Spray System for Wound Coverage” **and**
Rohith Jayaram, M.S. Candidate, UK BME, “Development of a Local, Sustained Delivery Vehicle for Zoledronic Acid to Treat Osteolysis”
- May** 2 **Milad Vazirian**, Ph.D. Student, UK BME, “Patient-Specific Estimation of Lumbar Spine Mechanical Property; Part-A: Flexural Rigidity of Motion Segments” **and**
Qingguang Zhang, Ph.D. Candidate, UK BME, “Cardiovascular Responses to Orthostatic Stress Following a Short Exposure to Artificial Gravity”