BIOMEDICAL ENGINEERING

Wenner-Gren Research Laboratory

# FALL 2013 Seminar Series

**Fridays at 3:00 pm**

# Room 323 Robotics and Manufacturing Building

**August** 30 **BME GRADUATE STUDENT ORIENTATION**, Drs. David Puleo and Abhijit Patwardhan

**September**  6 **Moriel Vandsberger, Ph.D.,** Assistant Professor, Department of Physiology, UK, “Targeted Molecular

MRI for *in vivo* Imaging of the Diseased Heart”

13 **\*CBME Fall Picnic, Shillito Park, Shelter #3**

20 **Yang Jiang, Ph.D.,** Associate Professor, Department of Behavioral Science, College of Medicine, UK, “Neuroimaging Indicators of Preclinical Change in Cognition”

**October** 4 **Walter Murfee, Ph.D.,** Assistant Professor, Department of Biomedical Engineering, Tulane

University, “Microvascular Dynamics”

11 **\*Gill Heart Research Day**, See UK Cardiovascular Research Center website – cvrc.uky.edu

Students are encouraged to submit an abstract and use this as one of their “outside” seminars.

18 **Michael Akenhead,** Ph.D. Student, UK BME, “Exploring the Use of HL60-Derived Neutrophilic Cells as a Potential Culture Model of the Shear Stress Regulation of CD18 Surface Expression”

25 **Daniel Pack, Ph.D.,** Professor and Ashland Inc. Chair, UK Departments of Chemical and Materials Engineering and Pharmaceutical Sciences, UK, “Engineering Gene Delivery: Toward Construction of Artificial Viruses”

**November** 1 **Daniel Irwin,** Ph.D. Student, UK BME, “Noncontact 3-D Near-Infrared Diffuse Optical Imaging of Mouse Tumor Hemodynamics”

8 **Joseph Alexander,** Ph.D. Candidate, UK BME, “Development of Long Term Blood Oxygenation Membrane”

15 **Theodoro Asafo-Adjei,** Ph.D. Candidate, UK BME, “Synthesis and Development of a Simvastatin Polymeric Pro-Drug”

22 **Farid Yaghouby,** Ph.D. Candidate, UK BME, “Effects of Sleep/Wake Dynamics on Clinical Seizure Predictability”

29 **Thanksgiving Break**

**December** 6 **CANCELLED**

13 **Matt Brown,** Ph.D. Candidate,UKBME, “Bone Healing in a Critically Sized Infected Femoral Defect Using a Moldable Dual Layered Composite Bone Filler”

**\*NOTE DIFFERENT LOCATION, DAY AND/OR TIME**

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