F. Joseph Halcomb III, MD Department of Biomedical Engineering  
Fall 2018 Seminar Series

Fridays at 3:00 pm unless otherwise stated*
Robotics and Manufacturing Building, Room 323

**August** 31  
*BME Student Orientation.* RMB 323, 2:30 pm. All students attend. And at 3:00 pm,  
**Fanny Chapelin,** Bioengineering, UCSD "19F Magnetic Resonance Imaging platform to quantify T cell therapy biodistribution, persistence and efficacy"

**September** 7  
**Ayman El Baz,** Chair, and **Guruprasad Giridharan,** Assoc. Chair, Department of Biomedical Engineering, University of Louisville. "Role of Big Data in Personalized Medicine"

14  
**Claudia Angeli,** Senior Researcher, Human Locomotion at Frazier Rehabilitation Center, University of Louisville. "Epidural Stimulation for the Restoration of Function following Severe Spinal Cord Injury."

21  
*Cardiovascular Research Day,* See UK Cardiovascular Research Center website [http://cvrc.med.uky.edu/cardiovascular-research-day](http://cvrc.med.uky.edu/cardiovascular-research-day). Students are encouraged to submit an abstract, and may use one or more of these lectures as one of their outside seminars.

24  
*Ashland Distinguished Lecture Series,* WT Young Library, WTYL Alumni Gallery (Rm 1-65), 1:30pm – 4:30pm. Students are encouraged to attend, and may use as an outside seminar.

**October** 5  
**Howard Roberts,** Chief Restorative Dentistry, University of Kentucky. "Dentistry is not all Dentistry"

12  
**Qing Shao,** Assistant Professor, Chemical and Materials Engineering, University of Kentucky. “Molecular Understanding and Design of Materials for Biomedical Applications."

19  
**BMES meeting, no seminar**

26  
**George Pantalos,** Professor, Cardiovascular and Thoracic Surgery and Bioengineering, University of Louisville. “Developing Surgical Capabilities for Exploration Spaceflight”

**November** 2  
**Amit Bhattacharya,** Professor of Environmental Health, Biomedical Engineering and Mechanical Engineering, University of Cincinnati Medical College. “A Unique Measure of Bone Quality: Non-invasive, Quick and Inexpensive Tool for Assessing Bone Fragility Associated with Osteoporosis and Heavy Metals."

9  
**Janet Walker,** Professor, Orthopedic Surgery, University of Kentucky, and Shriners Hospitals. “Advances in Limb Lengthening”

16  
**Lina Sharab,** Assistant Professor, College of Dentistry, University of Kentucky. “Reengineering Dentistry.”

23  
Thanksgiving Holiday, no seminar

30  
**Elie Abu Jawdeh,** MD, Assistant Professor, Pediatrics-Neonatology, University of Kentucky. “Intermittent Hypoxemia in Preterm Infants.”

**December** 7  
**Ahmed Bahrani,** PhD Student, UK BME, "Cerebrovascular Diseases: Methods of Diagnosis" and **Scott Thalman,** MD/PhD Student, “Blood-Brain Partition Coefficient Correction Improves Gray-White Matter Contrast in Cerebral Blood Flow Measurements in Mice.”

*NOTE DIFFERENT LOCATION, DAY AND/OR TIME*