

**F. Joseph Halcomb III, MD Department of Biomedical Engineering
Spring 2020 Seminar Series**

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

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| January | 22 | Orientation |
| | 29 | Scott Berry , Associate Professor, UK ME. "Enabling Advanced Molecular Analyses via Scaling Phenomena of Fluid Mechanics." |
| February | 5 | David Pienkowski , Associate Professor, UK BME. "Professional Communications." |
| | 12 | Alex Chen , PhD Student, UK BME. |
| | 19 | Xuhui Liu , PhD Student, UK BME. "A Wearable Optical Sensor for Noninvasive and Simultaneous Measurements of Tissue Blood Flow and Oxgenation." Siavash Mazdeyasna , PhD Student, UK BME. "Noncontact Diffuse Optical Imaging of Tissue Blood Flow Distributions." |
| | 26 | Chase Haddix , PhD Student, UK BME. "Evidence for Graded Event-Related Potentials from Electroencephalography during Motor Planning." Amir Al-Bakri , PhD Student, UK BME. "A Triple Rule Designed to Sift Ripples from the Epileptic Brain." |
| March | 4 | Dillon Huffman , PhD Student, UK BME. "Developing Methods for Automated, High-throughput Seizure Screening in Rodent Models of Epilepsy." Jun Wang , PhD Student, UK BME. "Feasibility of Dynamic Sleep Enhancement in a Mouse Model of Alzheimer's Disease." |
| | 11 | Christy Holland , PhD, University of Cincinnati College of Medicine, "Medical Applications of Ultrasound." |
| | 18 | No Seminar (Spring Break) |
| | 25 | Javad Mollakazemi , PhD Student, UK BME. "Effects of Respiratory Pathway on Cerebral Electrical Response to Emotions While Listening to Music." Dibyajyoti Biswal , PhD Student, UK BME. "An Investigation on the Role of Respiration in Autonomic Responses During Listening to Music." |
| April | 1 | Mike Samaan , Assistant Professor, UK KHP. "Hip Joint Mechanics and Imaging in Orthopaedic Disease." |
| | 8 | Mehrana Mohtasebi , PhD Student, UK BME. "Noninvasive Noncontact Speckle Contrast Diffuse Correlation Tomography of Cerebral Blood Flow." |
| | 15 | Clare Tyler , MS Student, UK BME. "Effects of Nursing Occupations on Trunk Stiffness." Maeve McDonald , MS Student, UK BME. "Work-related Changes in Lumbo-Pelvic Coordination Among Nurses." |
| | 22 | No Seminar (day after CCTS Spring Conference) |
| | 29 | Stephen Dundon , MS Student, UK BME. "Analysis of Event-Related Potentials Using Localized EEG Measurements." Brooke Place , MS Student, UK BME. "Cardiac and Neural Bio-signal Synchronization with Elements of Music." |

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