

**F. Joseph Halcomb III, MD Department of Biomedical Engineering  
Fall 2021 Seminar Series**

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

- August**     25     **BME Graduate Student Orientation**
- September**   1     **Shyni Varghese**, PhD. Mechanical Engineering & Materials Science and Orthopaedic Surgery, Duke University: *Biomaterials for Mechanistic Understandings and Therapeutic Interventions*. (in-person)
- 8     **Fake “Frank” Lu**, PhD. Raman Imaging for Brain Research, Binghamton University: *Stimulated Raman Scattering (SRS) Microscopy for Label-Free Bioimaging Applications*. (Zoom)
- 15     **Alice Tomei**, PhD. Immunology and Surgery, University of Miami: *Immunoengineered Platforms for Type-1 Diabetes*. (Zoom)
- 22     **Erin Buckley**, PhD. Diffuse Optics, Near IR Spectroscopy, Emory University: *Light: A Powerful Tool to Study the Brain*. (Zoom)
- 29     TBD
- October**       6     **BMES Annual Conference – No Seminar**
- 13     **Kara Spiller**, PhD. Biomaterials and Immuneengineering, Drexel University: *Immunomodulatory Biomaterials in Regenerative Medicine*. (in-person)
- 20     **Akhilesh Gaharwar**, PhD. Biomaterials and Bioprinting, Texas A&M: *Nanocomposite Hydrogels for Biomedical Applications*. (Zoom)
- 27     **Arun Aneja**, MD. Orthopaedic Surgery, UK: *Orthopedic Infections in the Clinic*. (in-person)
- November**    3     **Students Participation: Bioethics Discussion (Use of Animals in Biomedical Research)**. (in-person)
- 10     **Jai Rudra**, PhD. Biomaterials Immunoengineering, Washington University St. Louis: *Vaccine Development*. (Zoom)
- 17     **Raj Kothapalli**, PhD. Optical Imaging for Cancer Research, Penn State: *High-Resolution Photoacoustic Microscopy for Imaging Cancer Biomarkers*. (Zoom)
- 24     **Thanksgiving - Academic Holiday**
- December**    1     **Quincy Brown**, PhD. Optical Imaging for Cancer Research, Tulane University: *Optical Microscopy for Rapid, Large-Area 2D and 3D Pseudo-Histology in Fresh Biopsies and Surgical Resections*. (in-person)
- 8     **Jun Wang and Zhongchao Yi**, PhD students. BME, UK: *Nanomedicine and Signals*. (in-person)

Zoom registration link, <https://uky.zoom.us/meeting/register/tZUtcOytrTlvGtZS-q0xlnwDz1f2KhOgDwOY>

\*NOTE DIFFERENT LOCATION, DAY AND/OR TIME