BME Seminar Series Presents

**FALL 2021**

<table>
<thead>
<tr>
<th>Presented From</th>
<th>Date</th>
<th>Speaker(s) and Title</th>
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| NC State       | Aug 20| Richard B Fair, PhD, Lord-Chandran Distinguished Professor of Engineering, Electrical & Computer Engineering, Duke University  
“Droplet Microfluidics as a Platform for Biomedical Research, Rapid Diagnostics and Profits” |
| UNC            | Aug 27| Douglas J Weber, PhD, Professor, Mechanical Engineering, Neuroscience Institute and Biomedical Engineering, Carnegie Mellon University  
“Neural prostheses for restoring sensory and motor functions” |
| NC State       | Sept 3| Katherine J Mack, PhD, Assistant Professor, Department of Physics, North Carolina State University  
“The Communication Space: Sharing Cosmology with the World (and Beyond)” |
| UNC            | Sept 10| BME Chair Candidate Seminar  
(This will be an internal department seminar not shared outside UNC/NC State) |
| UNC            | Sept 17| Elisa E Konofagou, PhD, Robert and Margaret Hariri Professor of Biomedical Engineering, Professor of Radiology (Physics), Columbia University  
“Imaging of Elastic Properties of Cardiovascular and Cancerous Tissues as well as Brain Therapies Using Ultrasound” |
| NC State       | Sept 24| Robert Kirsch, PhD, Allen H. and Constance T. Ford Professor and Chair, Biomedical Engineering, Case Western Reserve University  
“Reconnecting the Hand and Arm to the Brain (ReHAB): BCI control of upper limb FES” |
| NC State       | Oct 1  | Mike McShane, PhD, James J. Cain Professor II in Biomedical Engineering, Head of Department of Biomedical Engineering, Texas A&M University  
“From Wearables to Insertables: Enabling Next-Generation Metabolite Monitoring with Responsive Biomaterials” |
| UNC            | Oct 8  | Samuel Achilefu, PhD, FRSC, Michel M. Ter-Pogossian Professor of Radiology, Washington University in St. Louis  
“Convergence of light, devices, and molecules to detect and treat cancer” |
| TBD            | Oct 15| TBD  
“TBD” |
| No Seminar     | Oct 22| No Seminar, UNC Fall Break |
| UNC            | Oct 29| Brendon M Baker, PhD, Assistant Professor, Biomedical Engineering, University of Michigan  
“TBD” |
| TBD            | Nov 5 | TBD  
“TBD” |
| NC State       | Nov 12| Gupi Ranganathan, MFA, Artist  
“Liminal Meanderings: Between Art, Science and Engineering” |
| UNC            | Nov 19| Undergraduate Research in Biomedical Engineering, Presentations by: TBD |