

Joint Department of
**BIOMEDICAL
 ENGINEERING**



UNC
 CHAPEL HILL

NC STATE
 UNIVERSITY

B M E Seminar Series Presents

Presented		FALL 2021
From	Date	
NC State	Aug 20	Richard B Fair, PhD , Lord-Chandran Distinguished Professor of Engineering, Electrical & Computer Engineering, Duke University <i>"Droplet Microfluidics as a Platform for Biomedical Research, Rapid Diagnostics and Profits"</i>
UNC	Aug 27	Douglas J Weber, PhD , Professor, Mechanical Engineering, Neuroscience Institute and Biomedical Engineering, Carnegie Mellon University <i>"Neural prostheses for restoring sensory and motor functions"</i>
NC State	Sept 3	Katherine J Mack, PhD , Assistant Professor, Department of Physics, North Carolina State University <i>"The Communication Space: Sharing Cosmology with the World (and Beyond)"</i>
UNC	Sept 10	BME Chair Candidate Seminar <i>(This will be an internal department seminar not shared outside UNC/NC State)</i>
UNC	Sept 17	Elisa E Konofagou, PhD , Robert and Margaret Hariri Professor of Biomedical Engineering, Professor of Radiology (Physics), Columbia University <i>"Imaging of Elastic Properties of Cardiovascular and Cancerous Tissues as well as Brain Therapies Using Ultrasound"</i>
NC State	Sept 24	Robert Kirsch, PhD , Allen H. and Constance T. Ford Professor and Chair, Biomedical Engineering, Case Western Reserve University <i>"Reconnecting the Hand and Arm to the Brain (ReHAB): BCI control of upper limb FES"</i>
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 <i>"From Wearables to Insertables: Enabling Next-Generation Metabolite Monitoring with Responsive Biomaterials"</i>
UNC	Oct 8	Samuel Achilefu, PhD, FRSC , Michel M. Ter-Pogossian Professor of Radiology, Washington University in St. Louis <i>"Convergence of light, devices, and molecules to detect and treat cancer"</i>
NC State	Oct 15	Tony Voiers , CEO, Advanced Chemotherapy Technologies <i>"My Journey from Engineer to Entrepreneur"</i>
No Seminar	Oct 22	No Seminar , UNC Fall Break
UNC	Oct 29	Brendon M Baker, PhD , Assistant Professor, Biomedical Engineering, University of Michigan <i>"Dissecting cell-specific contributions to pulmonary fibrosis using new biomaterials and microphysiologic models"</i>
NC State	Nov 5	Frances S. Ligler, DPhil, DSc , Lampe Distinguished Professor, Joint Department of Biomedical Engineering, NC State University & UNC Chapel Hill <i>"Bioengineering as an interdisciplinary sport"</i>
NC State	Nov 12	Gupi Ranganathan, MFA , Artist <i>"Liminal Meanderings: Between Art, Science and Engineering"</i>
UNC & NC State	Nov 19	Undergraduate Research in Biomedical Engineering , Presentations by: Christian Fitzgerald (Lucas Scholar, Mentor: Imran Rizvi) and Kamellia Karimpour (Lucas Scholar, Mentor: Virginie Papadopoulou), Amber Detwiler (Mentor: Danny Freytes), and Emily Warren (Mentor: Bill Polacheck)