<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>Aug 20</td>
<td>Noon to 1 PM</td>
<td>4142 Engineering Building III (NC State)</td>
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<tr>
<td>Nov 19</td>
<td>Noon to 1 PM</td>
<td>321 MacNider (UNC)</td>
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**BME Seminar Series Presents**

**FALL 2021**

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<tr>
<th>Date</th>
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| Aug 20     | Noon to 1 PM  | 4142 Engineering Building III (NC State) | 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” |
| Aug 27     | Noon to 1 PM  | 4142 Engineering Building III (NC State) | Douglas J Weber, PhD, Professor, Mechanical Engineering, Neuroscience Institute and Biomedical Engineering, Carnegie Mellon University  
              “Neural prostheses for restoring sensory and motor functions” |
| Sept 3     | Noon to 1 PM  | 4142 Engineering Building III (NC State) | Katherine J Mack, PhD, Assistant Professor, Department of Physics, North Carolina State University  
              “The Communication Space: Sharing Cosmology with the World (and Beyond)” |
| Sept 10    | Noon to 1 PM  | 4142 Engineering Building III (NC State) | BME Chair Candidate Seminar  
              (This will be an internal department seminar not shared outside UNC/NC State) |
| Sept 17    | Noon to 1 PM  | 4142 Engineering Building III (NC State) | 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” |
| Sept 24    | Noon to 1 PM  | 4142 Engineering Building III (NC State) | 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” |
| Oct 1      | Noon to 1 PM  | 4142 Engineering Building III (NC State) | 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” |
| Oct 8      | Noon to 1 PM  | 4142 Engineering Building III (NC State) | 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” |
| Oct 15     | Noon to 1 PM  | 4142 Engineering Building III (NC State) | Tony Voiers, CEO, Advanced Chemotherapy Technologies  
              “My Journey from Engineer to Entrepreneur” |
| Oct 22     | Noon to 1 PM  | 4142 Engineering Building III (NC State) | No Seminar, UNC Fall Break |
| Nov 5      | Noon to 1 PM  | 4142 Engineering Building III (NC State) | Frances S. Ligler, DPhil, DSc, Lampe Distinguished Professor, Joint Department of Biomedical Engineering, NC State University & UNC Chapel Hill  
              “Perspective on optical biosensors: Evolutionary and quantum leaps” |
| Nov 12     | Noon to 1 PM  | 4142 Engineering Building III (NC State) | Gupi Ranganathan, MFA, Artist  
              “Liminal Meanderings: Between Art, Science and Engineering” |
| Nov 19     | Noon to 1 PM  | 4142 Engineering Building III (NC State) | Undergraduate Research in Biomedical Engineering, Presentations by: Christian Fitzgerald (Lucas Scholar, Mentor: Imran Rizvi) and Kamellia Karimpour (Lucas Scholar, Mentor: Virginie Papadopoulou), Amber Detwiler (Abrams Scholar, Mentor: Danny Freytes), and Emily Warren (Abrams Scholar, Mentor: Bill Polacheck) |

**Fridays from Noon to 1 PM**

**Beginning August 20**

**321 MacNider (UNC)**

**4142 Engineering Building III (NC State)**

**Unless otherwise noted on schedule**