### BME Seminar Series Presents

**Fall 2022**

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| Aug 26     | Seth D. Goldstein, MD, MPhil              | NCSU                                  | Pediatric General and Thoracic Surgeon | Presented From Date NCSU Aug 26 Seth D. Goldstein, MD, MPhil, Pediatric General and Thoracic Surgeon | Ann & Robert H. Lurie Children's Hospital of Chicago, Assistant Professor of Surgery | Northwestern University Feinberg School of Medicine, Associate Program Director | Pediatric Surgery Fellowship at Northwestern University McGaw Medical Center | "Preemies and PHOSITAs: Biomedical Engineering in Pediatric Surgery"
| Sept 2     | Randy Trumbower, PT, PhD                  | UNC                                   | Assistant Professor, Department of Physical Medicine & Rehabilitation, Harvard Medical School | "Acute Intermittent Hypoxia: A breath-taking therapy to boost motor function after spinal cord injury"
| Sept 9     | Moon Il Kim, PhD                          | UNC                                   | Associate Professor, Department of BioNano Technology, Gachon University, Republic of Korea | "Novel nanozymes to replace natural enzyme in bioassays and beyond"
| Sept 16    | Guillermo Ameer, Sc.D.                    | NCSU                                  | Daniel Hale Williams Professor of Biomedical Engineering & Surgery, Director, Center for Advanced Regenerative Engineering; Director, Regenerative Engineering Training Program, Northwestern University | "Regenerative Biomaterials: Enabling the Practice of Regenerative Medicine"
| Sept 23    | Gordana Vunjak-Novakovic, PhD             | Virtual                               | University Professor, Mikati Foundation Professor of Biomedical Engineering and Medical Sciences, Columbia University | "Engineering Human Tissues for Medical Impact"
| Sept 30    | Karl Zelik, PhD                           | UNC                                   | Associate Professor, Department of Mechanical Engineering, Vanderbilt University | "2 Lessons I Learned From Technology Translation That Enhanced Our University Research on Biomechanics and Wearable Devices (And Can For You Too)"
| Oct 7      | Alice H. Huang, PhD                       | NCSU                                  | Associate Professor of Bioengineering (in Orthopedic Surgery), Irving Medical Center, Columbia University | "Development and Regeneration of Fibrous Connective Tissues"
| Oct 14     | Rhima Coleman, PhD                        | NCSU                                  | Associate Professor, Department of Biomedical Engineering, Department of Mechanical Engineering, University of Michigan | "Regulation of Stem Cell Phenotype on Both Sides of the Cell Membrane"
| Oct 21     | No Seminar                                | NCSU                                  | No Seminar                                                                                |
| Oct 28     | L. Andrew Lyon, PhD                       | NCSU                                  | Founding Dean, Dale E. and Sarah Ann Fowler School of Engineering, Keck Center for Science and Engineering, Chapman University | "Understanding and exploiting ultra-soft colloids"
| Nov 4      | John Eisenbrey, PhD                       | UNC                                   | Associate Professor, Department of Radiology, Thomas Jefferson University | "Recent advances in diagnostic and therapeutic contrast-enhanced ultrasound."
| Nov 11     | Xiling Shen, PhD                          | NCSU                                  | Professor & Chief Scientific Officer, Terasaki Institute for Biomedical Innovation, Chief Executive Officer, Xilis Inc. | "Developing in silico, in vitro, and in vivo platforms for precision oncology"
| Nov 18     | Robert T. Tranquillo, PhD                 | UNC                                   | Professor, Departments of Biomedical Engineering and Chemical Engineering & Materials Science, University of Minnesota | "Imagine Engineered Heart Valves that Grow"
| Nov 25     | No Seminar                                | NCSU                                  | No Seminar                                                                                |
| Dec 2      | Lucas Scholars                            | TBA                                   |                                             |                                             |

**Venue:**
- Fridays from Noon to 1 PM
- Beginning August 26
- Videoconferenced to ECU
- Unless otherwise noted on schedule