



Seminar Series, Fall 2020 – Mondays, 1:00 to 1:50 p.m.
All Seminars to Be Presented Virtually, Via Microsoft Teams

| Date | Speaker and Affiliation | Topic/Title |
|---------------|--|---|
| Aug 24 | Dr. Raymond Goodrich, CSU | <i>COVID-19 and Vaccine Development at the Infectious Disease Research Center</i> |
| Aug 31 | Ahmed Aldohbeyb, SBME Ph.D. Student | <i>New Methods for Quantifying Rapidity of Action potential Onset Differentiate Neuron Types</i> |
| | Roberta Maia Sabino, SAMD Ph.D. Student | <i>Enhanced Hemocompatibility and Antibacterial Activity on Titania Nanotubes with Tanfloc/Heparin Polyelectrolyte Multilayers</i> |
| Sept 7 | University Holiday – No Seminar | |
| Sept 14 | Dr. Rebecca Pompano, University of Virginia | <i>Lighting up inflammation outside the body using chemistry and microfluidics</i> |
| Sept 21 | Liszt Yeltsin Coutinho Madruga, CSU | |
| Sept 28 | Dr. Ann Hess, CSU | <i>Sex Effects in Experimental Design and Data Analysis</i> |
| Oct 5 | Michael May, SBME Ph.D. Student | <i>Chemical Master Equation Shows Cellular Autoregulation is Critical to Stochastic Control of Proteins</i> |
| Oct 12 | Iain Briongos, SBME Ph.D. Student | <i>Platelet dynamics on substrates of varied stiffnesses</i> |
| | Alec Jones, SBME Ph.D. Student | <i>Engineering nanoporous protein crystal scaffolds as delivery vectors for DNA and RNA</i> |
| Oct 19 | Dr. Chelsea S. Bahney, Steadman Clinic & Steadman Philippon Research Institute | <i>Engineering better fracture healing</i> |
| Oct 26 | Jake Wolynski, SBME Ph.D. Student | <i>Prediction of Bone Fracture Healing Outcome Using Direct Electromagnetic Coupling Antennae</i> |
| Nov 2 | Wes Anderson, SBME Ph.D. Student | <i>Signal Analysis, Patterns for Analytics Systems, and Biometrics for Sensing</i> |
| | Samantha Kaonis, SBME Ph.D. Student | <i>Towards mechanism driven mesenchymal stem cell-based bioengineering</i> |
| Nov 9 | Dr. Paul Rullkoetter, University of Denver | <i>Denver Center for Orthopaedic Biomechanics - Overview and Applications in Joint Replacement</i> |
| Nov 16 | Dr. Brian Geiss, CSU | <i>Development of rapid, portable SARS-CoV-2 diagnostics</i> |
| Nov 23 | University Holiday – No Seminar | |
| Nov 30 | Sid Jain, SBME Ph.D. Student | <i>Improving access to molecular diagnostic tools through development of inexpensive, point-of-need nucleic acid sensor platforms</i> |
| Dec 7 | Dr. Yeoheung Yun, North Carolina Agricultural and Technical State University | <i>Engineered brain microphysiological system for recapitulating brain physiology and function</i> |
| Dec 14 | Finals Week – No Seminar | |