

Bioengineering Subgroup
2020 Symposium
San Diego, California
San Diego Convention Center Rooms: 23 ABC
Symposium Time: 1:30 - 5:30 PM
Subgroup Chair: Raphael Lee, University of Chicago

1:35 PM John P. Wiksw, Vanderbilt University

Multi-Omics and Automated Microfluidic Pumps and Valves for Controlling and Reverse Engineering of Biological Systems

2:05 PM H. Steven Wiley, Pacific Northwest National Laboratory

Modulating Cell Protein Abundance to both Understand and Manipulate Biological Networks

2:35 PM Taher Saif, University of Illinois at Urbana-Champaign

An in vitro 3D Neuro Muscular Platform Reveals Crosstalk between Neural Networks and Muscles

3:05 PM Subgroup Business Meeting

3:30 Postdoc Recognition

3:50 PM Yasser Aboelkassem, University of California, San Diego

A Stochastic Multiscale Model of Cardiac Muscle Biophysics using Brownian-Langevin Dynamics

4:20 PM Zuzanna S. Siwy, University of California, Irvine

Nanopores and Channels for Biomimetics and Biomedical Engineering

4:50 PM Andrew D. McCulloch, University of California, San Diego

Multi-scale Modeling of Therapeutic Mechanisms for Heart Failure