

Session 4: Nanostructure-cell interactions in biomanufacturing

Thursday, December 7th from 2:30-3:30 pm

NSF co-chair: Steven Peretti, NSF ENG/CBET

Academic Co-Chair: Rebecca Taylor, Carnegie Mellon University



Keynote: Laura Segatori, PhD

Professor of Bioengineering, Chemical & Biomolecular Engineering, and Biosciences Rice University

Functional interaction of nanomaterials with cellular clearance and stress response pathways



Panelist: Megan L. McCain, PhD

Chonette Early Career Chair, Associate Professor of Biomedical Engineering and Stem Cell Biology and Regenerative Medicine University of Southern California

Precise manufacturing of multi-lineage tissues by integrating synthetic cell receptors, patterned biomaterials, and organoids



Panelist: Shohreh Hemmati

Assistant Professor Oklahoma State University, School of Chemical Engineering

From sustainable and continuous metal nanostructure manufacturing towards future nanotherapy biomanufacturing