

UTAH BIOENGINEERING

- 8:30 a.m. – 9:00 a.m.** *Poster Setup*
- 9:00 a.m. – 10:00 a.m.** **Breakfast / Poster Viewing**
- 10:00 a.m. – 11:00 a.m.** **Keynote Address: Dr. Alyssa Panitch**
Chair of Bioengineering at University of California Davis
- 11:00 a.m. – 12:00 p.m.** **Oral Presentation Session 1**
- 12:00 p.m. – 1:00 p.m.* *Lunch at SMBB atrium with poster viewing*
- 1:00 p.m. – 1:45 p.m.** **Oral Presentation Session 2**
- 1:45 p.m. – 2:00 p.m.* *Break*
- 2:00 p.m. – 3:15 p.m.** **Keynote Address: Dr. Gerhard Holzapfel**
Chair of Biomechanics at Graz University of Technology
- 3:15 p.m. – 4:15 p.m.** **Poster Session**
3:15 p.m. – 3:45 p.m. Odd number posters will be presented
3:45 p.m. – 4:15 p.m. Even number posters will be presented
- 4:15 p.m. – 5:15 p.m.** **Oral Presentation Session 3**
- 5:15 p.m. – 5:30 p.m.* *Closing Remarks by Dr. Hitchcock / Award Announcement*

UTAH BIENGINEERING

- 10:00 a.m. – 11:00 a.m.** **Keynote Address: Dr. Alyssa Panitch**
Chair of Bioengineering at University of California Davis
Macromolecular Approaches to Regenerative Medicine
- 11:00 a.m. – 12:00 p.m.** **Oral Presentation Session 1**
- 11:00 a.m. – 11:15 p.m. Michael Polei:**
Investigating the Foreign Body Response to Tethered UEAs Implanted in Rat Cortex
- 11:15 a.m. – 11:30 p.m. Jacob George**
Closed-Loop Control of a Dexterous, Sensorized Prosthetic Hand by a Transradial Amputee
- 11:30 a.m. – 11:45 p.m. Chris Radford**
A Receptor Crosslinking-Mediated Strategy to Enhance Intracellular Delivery of Nanomedicines
- 11:45 a.m. – 12:00 p.m. Silvia Moncada**
Beating Clusters Created with cECM and hIPS Cell-Derived Cardiomyocytes
- 1:00 p.m. – 1:45 p.m.** **Oral Presentation Session 2**
- 1:00 p.m. – 1:15 p.m. Azmi Ahmad**
Sarcoplasmic Reticulum Calcium Leak in Cardiomyocytes: A Contribution of TRPc1 Channels
- 1:15 p.m. – 1:30 p.m. David Bryce**
Characterization of Protein-Ligand Interactions at Nanopore-Supported Phospholipid Bilayers
- 1:30 p.m. – 1:45 p.m. Michael Fitzgerald**
Adoption of the Q Transcriptional System for Regulating Gene Expression in Stem Cells
- 2:00 p.m. – 3:15 p.m.** **Keynote Address: Dr. Gerhard Holzapfel**
Chair of Biomechanics at Graz University of Technology
How Can Imaging Modalities be Used to Shed More Light Upon the Modeling of Cardiovascular Diseases?
- 4:15 p.m. – 5:15 p.m.** **Oral Presentation Session 3**
- 4:15 p.m. – 4:30 p.m. Wilson Good:**
Detecting Ischemic Stress to the Myocardium Using Laplacian Eigenmaps and Conduction Velocity
- 4:30 p.m. – 4:45 p.m. Ryan Wood**
Bacterial Separation from Blood: Interface Instabilities
- 4:45 p.m. – 5:00 p.m. Mark Elliot**
Automated Imaging Framework Using OCT and MicroCT to Characterize 3D In Vivo Vascular Stent Geometry
- 5:00 p.m. – 5:15 p.m. Eric Peterson**
Measuring DNA Hybridization Kinetics Using Single-Molecule Competitive Assays