



## **Biomaterials & Tissue Engineering II**

Chair: Elizabeth Vargis, David Britt, Utah State University

Saturday, April 1, 2017

3:15 pm – 5:15 pm

**3:15 pm**

***Vitamin E-coated hernia repair meshes for the mitigation of the oxidative stress***

Dmitry Gil, Clemson University

**3:35 pm**

***Decreased Macrophage Attachment on Biomimetic Surfaces***

Ching-An Peng, University of Idaho

**3:55 pm**

***Organ-on-a-chip for assessing environmental toxicants***

Jeong-Yeol Yoon, University of Arizona

**4:15 pm**

***Silicon nanowire synergize with electrical stimulation to promote ventricular maturation of hiPSC-derived cardiomyocytes***

Ying Mei, Clemson University

**4:35 pm**

***Sulfonated chitosan hydrogel to stabilize bone morphogenetic protein activity for enhanced osteogenesis***

Soyon Kim, UCLA

**4:55 pm**

***Understanding the Role of Chain Flexibility in Amyloid Protein Aggregation through Rationally Designed Protein Sequences***

Melissa Moss, Zeb Vance, University of South Carolina