



Synthetic Biology

Chair: Charles Miller

Thursday, March 30, 2017

1:30 pm – 3:30 pm

1:30 pm

NanoResponder: A rapid, portable tool for pathogen detection in emergency medical services (EMS)

Taylor Sheahan, University of Lethbridge

1:50 pm

Diverse acyl-homoserine lactone synthases control the Lux quorum sensing regulator in E. coli

Ernesto Luna, Arizona State University

2:10 pm

Large Scale Production of Synthetic Spider Silk Protein in E. coli

Gargi Bhattacharyya, Utah State University

2:30 pm

Using Silkworm as the Potential Host to Spin Spider Silk-Like Fibers

Xiaoli Zhang, Utah State University

2:50 pm

Construction of portable terminator libraries for genetic engineering in bacteria

Hans-Joachim Wieden, University of Lethbridge

3:10 pm

Secretion of bioplastic polymers from methanotrophic bacteria grown using natural gas

Chad Nielsen, Utah State University