SESSION 1: FRIDAY, OCTOBER 13, 2023 12:30PM - 2:30PM

Agent-Based Simulation of Nucleus Pulposus Cell Behaviour in Alginate-Based Hydrogels
Romi Bonomo, Profs. Nicole Li-Jessen & Jianyu Li

Characterizing the Relationship Between YAP Activity, Nuclear Deformation and Cell Contractility in Breast Cancer Cells
Alice Delarue, Prof. Allen Ehrlicher

Co-administration of pramlintide and insulin via an automated dual-hormone artificial pancreas system
Jimmy El Maalouli, Prof. Ahmad Haidar

Machine Learning and the Brain
Karam Ghanem, Prof. Danilo Bzdok

TBD
Ishita Hiremath,

Development of a Dual-use Assembly Yeast System for Metabolic Engineering
Zimo Jin, Prof. Codruta Ignea

Engineering of a bacterial drug delivery system to treat metastatic melanoma systemically
Sarah Jurchuk, Prof. Maryam Tabrizian

Widespread adoption of capillary circuit-based diagnostics
Houda Shafique, Prof. David Juncker