

14th Annual Clorox-Amgen Graduate Student Symposium

Friday, September 17th, 2021 (over Zoom)

All times listed are Pacific Standard Time (PST)

Schedule of Events

9:00 AM	Welcome
9:10 AM	Session I: <i>Kinetics & Dynamical Systems</i> Chair: Sally Jiao
Gregory Zakem	Support Functionalization as an Approach for Modifying Activation Entropies of Catalytic Reactions on Atomically Dispersed Metal Sites
Koty McAllister	The Inherent Robustness of Closed-Loop (Online) Scheduling
Pratyush Kumar	Large-scale model predictive control with structured neural networks
Daniel Vigil	Dynamic Bonds, Phase Equilibrium, and Self-Assembly in Telechelic Polymer Blends
10:30 AM	Break
10:40 AM	Session II: <i>Soft & Biological Matter</i> Chair: Chelsea Edwards
Scott Fenton	Intersection of Percolation, Phase Separation, and Glassy Behavior Sets Minimal Conditions for Gelation of Colloidal Systems
Tanvi Sheth	Predicting Multiple Nanoemulsion Formation and Morphology Using Equilibrium Co-Surfactant Interfacial Thermodynamics
Nolan Anderson	Imaging the Cell's Metabolic State During Hypoxia: Oxygen-independent, Genetically Encodable Fluorescent Sensors for ATP and NADH
Seamus Jones	Superionicity in Structurally Inhomogeneous, Solvent-Free Polymeric Zwitterionic Liquids Doped with Alkali-metal Salts
12 PM	Break
12:35 PM	Breakout Sessions with Industrial and Academic Guests

Talks are 15 minutes long, with 5 minutes for Q&A