



**7th Annual Clorox-Amgen
Graduate Student Symposium
Friday, October 10, 2014**



8:00 AM	Registration and Breakfast	ESB Courtyard
8:30 AM	Welcome Professor Frank Doyle, UCSB Chemical Engineering Department Chair	ESB 1001
8:45 AM	Session I Catalysis	ESB 1001
	Nirala Singh <i>Air-Products Lecture:</i> Hydrogen evolution/oxidation electrocatalysts for H ₂ /Br ₂ energy conversion systems	
	Daniel Coller Quantitative analysis of light-off profiles for kinetic parameters	
	Bryan Goldsmith <i>Schlinger Lecture:</i> An <i>ab initio</i> framework to find structure-property relationships of catalyst sites on amorphous supports	
10:15 AM	Break	ESB Courtyard
10:30 AM	Session II Bioengineering & Soft Matter	ESB 1001
	Aaron Anselmo Platelet-like nanoparticles for hemostasis	
	Jennifer Guerrero Intracellular FRET-based assay for redesigning the specificity of secreted proteases	
	Kathryn Camacho Polymer-drug conjugates for the co-delivery of synergistic chemotherapy drugs	
Noon	Lunch	ESB Courtyard
1:00 PM	Poster Session	ESB Courtyard
2:00 PM	Session III Polymers & Complex Fluids	ESB 1001
	Luke Andriano Investigation of complex polymer blends via rheo-SANS, linear and non-linear rheology	
	Rodrigo Azevedo In situ microfluidic electrokinetic measurements and modification of colloid surfaces	
	Jeff Gopez Robust hydrogels from the complex coacervation of block copolyelectrolytes	
3:20 PM	Break	ESB Courtyard
3:35 PM	Session IV Simulations and Theory	ESB 1001
	Ryan Mullen Ion pair dissociation: solvent coordinates and dividing surfaces with no recrossing	
	Sean Paradiso A dynamical field theory for the evaporation-induced self assembly of block copolymers	
	Peter St. John <i>Mitsubishi Lecture:</i> Mathematical approaches to understanding amplitude in mammalian circadian rhythms	
5:00 PM	Conclusion Luke Andriano, Symposium Co-Organizer	ESB 1001
5:30 PM	Reception Dinner & Award Ceremony Industry guests, faculty and presenters are all welcome	Mosher Alumni House
8:30 PM	End of Reception Dinner & Award Ceremony	