

Materials Research Outreach Symposium
February 1 & 2, 2017, Corwin Pavilion, University Center

Daniel Gianola, Symposium Host

Session 1, Wednesday Morning, February 1, 2017, Corwin Pavilion

*Session Chair: **Daniel Gianola***

8:15 am	<i>Breakfast</i>	
8:45 am	<i>Opening remarks by the Deans</i>	
9:00 am	Mahdi Abu-Omar, UCSB	Renewable Thermosets Derived from Lignin
9:30 am	Vicky Doan-Nguyen, UCSB	Bridging Form and Function: A Structural Investigation of Chalcogels as Li-Ion Battery Electrodes
10:00 am	<i>Refreshment Break</i>	
10:30 am	Eoghan Dillon, Anasys Instruments	Recent Advances In Nanoscale Infrared Spectroscopy
11:00 am	Karthik Krishnaswamy, UCSB	Modeling electron transport from first principles
11:30 am	Kunal Mukherjee, UCSB	Lattice Mismatched Epitaxy and Microstructural Characterization of Compound Semiconductors for Optoelectronic Devices
12:00 pm	<i>Lunch</i>	

Session 2, Wednesday Afternoon, February 1, 2017, Corwin Pavilion

*Session Chair: **Craig Hawker***

1:30 pm	Renee Rottner, UCSB	Weeding Out the Competition: How Alternatives are Eliminated During Institutionalization
2:00 pm	Chris Bates, UCSB	Patterning With Block Copolymers: Recent Advances in High-Resolution Lithography
2:30 pm	<i>Refreshment Break</i>	
3:00 pm	Gabriel Sanoja, UCSB	Molecular Engineering of Polymerized Ionic Liquids
3:30 pm	Cheetham Lecture: Professor Jennifer Lewis, Harvard University	Digital Assembly of Architected Materials
4:30 pm	<i>Posters and Reception</i>	

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Session 3, Thursday Morning, February 2, 2017, Corwin Pavilion

Session Chair: Rachel Segalman

8:30 am	<i>Breakfast</i>	
9:00 am	Bert Meijer , TU Eindhoven	Functional Supramolecular Systems and Materials
9:30 am	Emily Wonder , UCSB	Decorating Cationic Liposome-Nucleic Acid Nanoparticles for Gene Delivery
10:00 am	<i>Refreshment Break</i>	
10:30 am	John Sarrao , LANL	Mesoscale Science: Science Frontier and Technology Opportunity
11:00 am	Michelle Johannes , NRL	Making Li-Ion Battery Materials Better and Safer
11:30 am	Sam Daly , UCSB	Linking Length Scales: The Effect of the Microscale on Material Failure
12:00 pm	<i>Lunch</i>	

Session 4, Thursday Afternoon, February 2, 2017, Corwin Pavilion

Session Chair: Ram Seshadri

1:30 pm	Lynn Walker , Carnegie	Impact of Dispersed Particles on the Structure and Flow Mechanism of Block Copolymer Micelle Solutions and Soft Solids
2:00 pm	Athina Anastasaki , UCSB	Atom Transfer Radical Polymerization (ATRP) for Everyone; Simplifying Traditional ATRP to Afford Well-Defined Polymers
2:30 pm	Amalie Frischknecht , Sandia	Simulation of Morphology and Dynamics in Ion-Containing Polymers
3:00 pm	<i>Refreshment Break</i>	
3:30 pm	Bob Lansdorp , Milo Sensors	The Skin is a Superhighway of Small Molecules
4:00 pm	Vincent Gambin , Northrup-Grumman	Materials Research in RF Microelectronics for Aerospace Applications
4:30 pm	Irene Beyerlein , UCSB	Defects and interfaces in structural composites
5:00 pm	<i>Posters and Reception</i>	