

Materials Research Outreach Symposium
Wednesday, Jan. 29 and Thursday, Jan. 30, 2025

Day 1: Wednesday January 29th, 2025

8:45 am	Opening Remarks by College of Engineering Dean Umesh Mishra	
	Session Chair: Raphaële Clément	
9:00 am	Nadia Léonard (UCSB)	Electrochemical Carbon Dioxide Incorporation into Multi-Carbon Products
9:30 am	Tyler Mefford (UCSB)	Understanding the Local Chemistry of Water Oxidation Catalysts
10:00 am	Break	
	Session Chair: Ram Seshadri	
10:30 am	Cassidy Tobin (UCSB)	Reversible and Size-Controlled Assembly of Reflectin Proteins Using Molecular Photoswitches
11:00 am	Sam Wilken (UCSB)	DNA Liquid Droplets Embedded in Cytoskeletal Networks
11:30 am	Zoe Liberman (UCSB)	Infants' Social Expectations and Social Learning
12:00 noon	Lunch	
	Session Chair: Angela Pitenis	
1:30 pm	Haley Beech (UCSB)	Immiscible Polymer Blend Compatibilization through Pendant Ionic Interactions
2:00 pm	Parker Morris (UCSB)	Scalable Synthesis of Degradable Copolymers Containing α -Lipoic Acid <i>via</i> Miniemulsion Polymerization
2:30 pm	Break	
	Session Chair: Chris Bates	
3:00 pm	Tim Long (ASU)	Cheetham Lecture: Designing Advanced Macromolecules for Advanced Manufacturing: Balancing Reactivity, Rheology, Resolution, and Rate (4 Rs)
4:15 pm	Reception and posters	

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Day 2: Thursday January 30th, 2025

Session Chair: Meredith Murr		
9:00 am	Rachel Segalman (UCSB)	Welcome, and Overview of the Sustainable Products and Packaging Consortium
9:30 am	Chris Bates (UCSB)	UCSB's Strengths in Polymers/Upcycling
9:50 am	Scott Shell (UCSB)	UCSB's Strengths in Formulations
10:10 am	Break	
Session Chair: Rachel Segalman		
10:30 am	Roland Geyer (UCSB)	UCSB's Strengths in Life-Cycle Analysis/Techno-Economic Analysis
11:00 am	Steven Arturo (Dow)	Don't Let it go to Waste - Plastics and the Circular Economy
11:30 am	Karla Mora (Alante Capital)	Investing in Innovation: Building Sustainable Value Chains for Consumer Brands
12:00 noon	Lunch	
Session Chair: Meredith Murr		
1:30 pm	Matt Wagner (P&G)	Material Sustainability from Feedstock to Finished Product
2:00 pm	Lawrence Fischel (Clorox)	Sustainable Packaging Design Successes and Challenges
2:30 pm	Tal Margalith (UCSB)	Overview of BioPACIFIC MIP
3:00 pm	Faculty Panel	
3:45 pm	Break	
4:00 pm to 5:00 pm	Closed Session for Select Invitees: Panel-Facilitated Discussion about Consortium Structure	