

2025 Southern California Bioinorganic Symposium

November 08, 2025 @ UC Los Angeles

Time (PM)	Presenter	Title
12-12:05	Prof. Hannah Shafaat	Welcoming Remarks
Session 1		
12:05-12:25	Jithin Thomas <i>UC Riverside</i>	De Novo Design of Manganese Nitride Porphyrin Binding Protein and Aziridination Catalysis
12:25-12:45	Yashna Khakre <i>USC</i>	Enhanced per-site electrocatalytic H2 evolving activity of Cobalt in Co/Ni-dithiolene-based heterometallic coordination polymers
12:45-1:05	Pujan Ajmera <i>UCLA</i>	Electrostatic Influence on the Electronic Structure of Ni,Fe Carbon Monoxide Dehydrogenase and Mimics
1:05-1:15	Flash Poster Talks (2 min each)	
	Jessica Bowen <i>UCSB</i>	Exploring Binding Affinity of Rare Earth Elements at Pyrroloquinoline Quinone and Its Derivatives for Electrochemical Separation
	Kathryn Woodburn <i>UCLA</i>	Outer Sphere Modulation of Bioorganometallic Reactivity in an Artificial Metalloenzyme Mimic of Acetyl Coenzyme A Synthase
	Wenhui Xi <i>UCSB</i>	The Structural and Functional Studies of Fe(II)/ α -Ketoglutarate-Dependent Oxygenases in Swainsonine Biosynthesis
	Robert Till <i>UCSB</i>	Fast Self-Exchange Electron Transfer Rate of a Mixed-Valent Dimeric Copper Complex
1:15- 1:30	Break	
Session 2		
1:30 - 1:50	Partho Paul <i>UC Irvine</i>	Redox Potential Modulation of Quinones via proximal Hydrogen Bonding for CO2 Capture applications
1:50 - 2:10	Aadhishre Kasat <i>UCLA</i>	Spectroscopic investigation of the selectivity of R2-like ligand binding oxidase
2:10 - 2:30	Jordan Ford <i>UCLA</i>	Biophysical and Structural Basis of Heme Scavenging by the ChtA and HtaA Hemophores in <i>Corynebacterium diphtheriae</i>
2:30 - 2:40	Flash Poster Talks (2 min each)	
	Sofia Ando <i>UCLA</i>	Targeting electrostatic manipulation of an artificial metalloenzyme: A cautionary tale
	Derek Kuno-Williams <i>Caltech</i>	Carbon–Sulfur Bond Activation at a Single-Site Iron Complex
	Yuri Lee <i>UCLA</i>	Modulating Hydrogen Bonding Network of a Mn/Fe Cofactor in R2lox Using Site-Specifically Incorporated Unnatural Amino Acids
2:40 – 2:55	Break	
Session 3		
2:55 - 3:15	Haoding Lin <i>UCLA</i>	On the Origin of Red Emission in Protein-Stabilized Copper Nanoparticles: Evidence for Cu(I)-Metallothionein-like Cluster Formation
3:15 - 3:35	Rebecca Warmack <i>UCSB</i>	Structural evolution of nitrogenase states under alkaline turnover
3:35 – 3:45	Flash Poster Talks (2 min each)	
	Mindy Wu <i>California Polytechnic Pomona</i>	C(sp3)–F bond activation with a mesityl bidentate N-heterocyclic carbene nickel(0) complex
	Kevin Rivera Cruz <i>UCLA</i>	Artificial Metalloenzymes as Electrocatalytic Platforms for Selective Carbon-Carbon Coupling
	Anthony Jose AJ Chavez <i>UCSB</i>	Redox Reactions of Dinuclear Nickel Tris(Carboxylate) Complexes Involving a Non-Innocent PNNP(iPr) Ligand
3:45 - 4:00	Break	
4:00 - 5:00	Prof. Akif Tezcan	Keynote Lecture
5:10 - 7:00	Pizza & Poster Session	