

Chemistry

Session **E**

Room: 147 Noyes

1:00 - 1:20 PM	Kyler E. Williams Caltech <i>John Stauffer SURF Fellow</i>	Developing a molecular replacement method for phasing low-resolution MicroED data of paramagnetic transition metal complexes	Hosea Nelson <i>Professor of Chemistry</i> Sam Mussetter <i>Graduate Student in Chemistry</i>
1:20 - 1:40 PM	Lyna T. Huynh University of California, Riverside	Proteomic analysis of NAC interactions	Shu-ou Shan <i>Altair Professor of Chemistry</i> Radoslaw J. Gora <i>Postdoctoral Scholar Research Associate in Chemistry</i> Sunny Huang <i>Graduate Student in Biochemistry and Molecular Biophysics</i>
1:40 - 2:00 PM	Emma J. Berg Caltech <i>John Stauffer SURF Fellow</i>	Molecular basis of CK1 δ nuclear import in circadian rhythm modulation	André Hoelz <i>Mary and Charles Ferkel Professor of Chemistry and Biochemistry; Investigator, Howard Hughes Medical Institute</i> Chia-Yu Chien <i>Graduate Student in Biochemistry and Molecular Biophysics</i>
2:00 - 2:20 PM	Martin B. Panicacci University of California, Santa Barbara <i>Chen Institute BrainWAVE Fellow</i>	Developing chemical tools for the inhibition of chondroitin sulfate glycosaminoglycan sulfotransferases to enhance neuronal regrowth	Linda C. Hsieh-Wilson <i>Milton and Rosalind Chang Professor of Chemistry; Merkin Institute Professor</i> Cassandra N. Cancemi <i>Graduate Student in Chemistry</i> Sophia Gonzalez <i>Graduate Student in Chemistry</i>
2:20 - 2:40 PM	Wiktor Sobczynski University of Iceland <i>Caltech-University of Iceland Exchange</i>	Mechanistic studies of β -oxidation in saturated dietary fatty acids	Johannes Morstein <i>Assistant Professor of Chemistry and Chemical Engineering</i> Binyou Wang <i>Postdoctoral Scholar Research Associate in Chemistry</i>
2:40 - 2:50 PM	BREAK		

2:50 - 3:10 PM	Elizabeth Y. Bank University of California, Irvine <i>Resnick Sustainability Institute (RSI) WAVE Fellow</i>	Mechanistic investigation of lanthanide reactivity and imine substrate scope in a photodrivn Sm-catalyzed asymmetric ketyl-olefin coupling	Sarah E. Reisman <i>Bren Professor of Chemistry</i> Nathan C. Friede <i>Graduate Student in Chemistry</i> Will Chen <i>Graduate Student in Chemistry</i>
3:10 - 3:30 PM	Hannah L. Bowman Caltech <i>John Stauffer SURF Fellow</i>	Investigating the interactions of the NEIL3 beta hairpin and KY motif with MCM2-7 in DNA interstrand cross-link repair	Daniel R. Semlow <i>Assistant Professor of Biochemistry; Ronald and JoAnne Willens Scholar</i> Gabriel Ashton-Rickardt <i>Graduate Student in Chemistry</i>
3:30 - 3:50 PM	Daniel C. Darahdgian Occidental College	Converting carbon dioxide into useful chemicals and fuels	Harry B. Gray <i>Arnold O. Beckman Professor of Chemistry</i> Jay R. Winkler <i>Faculty Associate and Lecturer in Chemistry</i>
3:50 - 4:10 PM	Daniel S. Lai Duke University	Towards precise simulation of molecules with memory-efficient analytical gradients from auxiliary-field quantum Monte Carlo	Sandeep Sharma <i>Professor of Chemistry</i>
4:10 - 4:30 PM	Elise R. Hastie California State University, Los Angeles <i>Carl F. Braun WAVE Fellow</i>	Synthesis of complex ring systems via a [2+2] cycloaddition followed by a base-induced rearrangement	Brian M. Stoltz <i>Victor and Elizabeth Atkins Professor of Chemistry; Investigator, Heritage Medical Research Institute</i> Chloe Cerione <i>Graduate Student in Chemistry</i>
4:30 - 4:50 PM	Junrui Zheng University of Cambridge <i>Caltech-Cambridge Exchange</i>	Catalytic asymmetric semipinacol-type rearrangement for the construction of all-carbon quaternary stereocenters	Brian M. Stoltz <i>Victor and Elizabeth Atkins Professor of Chemistry; Investigator, Heritage Medical Research Institute</i> Weicheng Xu <i>Graduate Student in Chemistry</i>