

Chemistry

Session **D**

Room: 147 Noyes

10:30 - 10:50 AM	Kylin M. Elliott <i>John Stauffer SURF Fellow</i>	Trapping distinct states to characterize the MurJ-Lipid II complex	William M. Clemons <i>Arthur and Marian Hanisch Memorial Professor of Biochemistry</i> Grace F. Baron <i>Graduate Student in Chemistry</i>
10:50 - 11:10 AM	Grace H. Otos <i>Richard H. Cox SURF Fellow</i>	Removal of C55-P-P-GlcNAc-ManNAcA from MjAglH for improved structural analysis	William M. Clemons <i>Arthur and Marian Hanisch Memorial Professor of Biochemistry</i> Jacob Kirsh <i>Postdoctoral Scholar Research Associate in Chemistry</i>
11:10 - 11:30 AM	Nihira Padidam <i>Donald Voet and Jerome Vinograd SURF Fellow</i>	Identifying cellular targets of phage-encoded single gene lysis proteins in <i>Escherichia coli</i>	William M. Clemons <i>Arthur and Marian Hanisch Memorial Professor of Biochemistry</i> Roujon Nowzari <i>Graduate Student in Biochemistry and Molecular Biophysics</i>
11:30 - 11:50 AM	Emily Tu <i>John Stauffer SURF Fellow</i>	Circulating microbial and vesicle-associated signatures as potential biomarkers of atherosclerotic plaque states	Rustem F. Ismagilov <i>Ethel Wilson Bowles and Robert Bowles Professor of Chemistry and Chemical Engineering; Merkin Institute Professor</i> Roey Lazarovits <i>Graduate Student in Medical Engineering</i>
11:50 AM - 1:00 PM	LUNCH		
1:00 - 1:20 PM	Vassilios P. Dresios <i>Philip Laipis in Memory of Professor Jerome Vinograd SURF Fellow</i>	Trimetallic nickel-based CO ₂ reduction catalysts and progress towards a synthetic analogue to the [NiFe]-carbon monoxide dehydrogenase C-cluster	Theodor Agapie <i>John Stauffer Professor of Chemistry</i> Leo A. Morag <i>Graduate Student in Chemistry</i>
1:20 - 1:40 PM	Chloe I. Hu Pesh <i>John Stauffer SURF Fellow</i>	Developing a charged palladium catalyst to synthesize photodegradable polyethylene	Theodor Agapie <i>John Stauffer Professor of Chemistry</i> Jocelyn Y. Zhang <i>Graduate Student in Chemistry</i>

1:40 - 2:00 PM	Zhehao Zhang <i>John Stauffer SURF Fellow</i>	Towards a convergent fragment-coupling approach of grayanane diterpenoids via selective lithium-halogen exchange of a vinyl dibromide	Sarah E. Reisman <i>Bren Professor of Chemistry</i> Joshua Belfield <i>Graduate Student in Chemistry</i>
2:00 - 2:20 PM	Ryan D. Yu	Identifying and steering with interpretable features in protein models using sparse autoencoders	Grant Rotskoff <i>Assistant Professor of Chemistry, Stanford University</i> Soojung Yang <i>Postdoctoral Researcher in Chemistry, Stanford University</i> Jason Liu <i>Postdoctoral Researcher in Chemical Engineering, Stanford University</i> Kara D. Fong <i>Assistant Professor of Chemical Engineering; William H. Hurt Scholar</i>
2:20 - 2:30 PM	BREAK		
2:30 - 2:50 PM	Fanhao Kong <i>John Stauffer SURF Fellow</i>	Engineering cpSRP43 for enhanced chaperone activity against amyloid aggregation through directed evolution	Shu-ou Shan <i>Altair Professor of Chemistry</i> Bryce Yeazell <i>Graduate Student in Chemistry</i>
2:50 - 3:10 PM	Muping Wang <i>Carl F. Braun SURF Fellow</i>	Determining the chaperone activity and interaction interface of <i>Chlamydomonas reinhardtii</i> chloroplast signal recognition particle to its client proteins	Shu-ou Shan <i>Altair Professor of Chemistry</i> Yelim Yi <i>Postdoctoral Scholar Research Associate in Chemistry</i>
3:10 - 3:30 PM	Sarah E. Madden <i>John Stauffer SURF Fellow</i>	[4+2] Cycloaddition on β -ketoester with tethered alkene and siloxane tether	Brian M. Stoltz <i>Victor and Elizabeth Atkins Professor of Chemistry; Investigator, Heritage Medical Research Institute</i> Sara Siddiqui <i>Graduate Student in Chemistry</i>
3:30 - 3:50 PM	William R. Putzer <i>Reed and Ruth Brantley SURF Fellow</i>	Approaching the total synthesis of Phorbosone A	Brian M. Stoltz <i>Victor and Elizabeth Atkins Professor of Chemistry; Investigator, Heritage Medical Research Institute</i> Sean Corman <i>Graduate Student in Chemistry</i>
3:50 - 4:10 PM	Jack S. Yu <i>William N. Lacey SURF Fellow</i>	Extending temperature control capabilities for Laser-driven Ultrafast Impedance Spectroscopy	Scott K. Cushing <i>Assistant Professor of Chemistry</i> Amy Lin <i>Graduate Student in Chemistry</i> Natan Spear <i>Graduate Student in Materials Science</i>