

Chemistry and Chemical Engineering

Session **E**

Room: 106 Spalding Lab

1:00 - 1:20 PM	<i>Sophia Razavi</i> University of California, Berkeley <i>Amgen Scholar</i>	Radical-Based Deoxygenation of Alcohols via Visible-Light Irradiation of a Titanium- Porphyrin Complex	Brian M. Stoltz <i>Victor and Elizabeth Atkins</i> <i>Professor of Chemistry;</i> <i>Investigator, Heritage Medical</i> <i>Research Institute</i> Benjamin Gross <i>Graduate Student in Chemistry</i>
1:20 - 1:40 PM	<i>Raquel G. Lample</i> <i>Robb and Eunice Rutledge</i> <i>SURF Fellow</i>	Preparation of the Enolate Coupling Partner Towards the Total Synthesis of Sesquiterpenoid Dimer Natural Products	Brian M. Stoltz <i>Victor and Elizabeth Atkins</i> <i>Professor of Chemistry;</i> <i>Investigator, Heritage Medical</i> <i>Research Institute</i> Chloe Cerione <i>Graduate Student in Chemistry</i>
1:40 - 2:00 PM	<i>Tommaso Colombo</i> <i>John Stauffer SURF Fellow</i>	Asymmetric Reverse Prenylation of 3-substituted Indoles	Brian M. Stoltz <i>Victor and Elizabeth Atkins</i> <i>Professor of Chemistry;</i> <i>Investigator, Heritage Medical</i> <i>Research Institute</i> Jonathan Farhi <i>Graduate Student in Chemistry</i>
2:00 - 2:20 PM	<i>Neiman C. Sneed</i> North Carolina Central University <i>Preer WAVE Fellow</i>	Selectivity in Palladium-Catalyzed CDC of Substituted Pyrroles for (+)-Cyanocycline A Synthesis	Brian M. Stoltz <i>Victor and Elizabeth Atkins</i> <i>Professor of Chemistry;</i> <i>Investigator, Heritage Medical</i> <i>Research Institute</i> Bryce E. Gaskins <i>Graduate Student in Chemistry</i>
2:20 - 2:40 PM	<i>Aniya M. Buckland</i> North Carolina A&T State University <i>Preer WAVE Fellow</i>	Preparation of Cyclopentane Fragment En Route to Hypatulone A	Brian M. Stoltz <i>Victor and Elizabeth Atkins</i> <i>Professor of Chemistry;</i> <i>Investigator, Heritage Medical</i> <i>Research Institute</i> Kim R. Sharp <i>Graduate Student in Chemistry</i>
2:40 - 2:50 PM	<i>BREAK</i>		

2:50 - 3:10 PM	Andrew S. Marriott University of Cambridge <i>Caltech-Cambridge Exchange</i>	Enantioselective Palladium-catalysed Methylation of Alpha-tetralones	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>
3:10 - 3:30 PM	Ethan N. Lin <i>John Stauffer SURF Fellow</i>	Biocatalytic Synthesis of Chiral Phosphoramides Using Engineered Heme Enzymes	Frances H. Arnold <i>Linus Pauling Professor of Chemical Engineering, Bioengineering, and Biochemistry</i> Hayden Carder <i>Postdoctoral Scholar Fellowship Trainee in Chemical Engineering</i>
3:30 - 3:50 PM	Orna Mukhopadhyay <i>Reed and Ruth Brantley SURF Fellow</i>	Engineering Hemoproteins for Regiodivergent C-H Amination Toward Pyrrolidines and Piperidines Synthesis	Frances H. Arnold <i>Linus Pauling Professor of Chemical Engineering, Bioengineering, and Biochemistry</i> Ziqi Li <i>Postdoctoral Scholar Research Associate in Chemical Engineering</i>
3:50 - 4:10 PM	Chaoyi T. Zhang <i>Richard H. Cox SURF Fellow</i>	Sulfoxonium Ylides as a Carbene Precursor in Biocatalysis	Frances H. Arnold <i>Linus Pauling Professor of Chemical Engineering, Bioengineering, and Biochemistry</i> Chenghao Liu <i>Postdoctoral Scholar Research Associate in Chemical Engineering</i> Theophile Lambert <i>Visitor in Chemical Engineering</i>
4:10 - 4:30 PM	Kerui Yang University of Sydney	Function Conditioned Enzyme Generation With Masked Diffusion Language Models	Frances H. Arnold <i>Linus Pauling Professor of Chemical Engineering, Bioengineering, and Biochemistry</i> Jason Yang <i>Graduate Student in Chemical Engineering</i>
4:30 - 4:50 PM	Yanxin Chen Peking University	Investigating the Exchange Energy in Ba ₄ Ir ₃ O ₁₀	Sandeep Sharma <i>Professor of Chemistry</i>
4:50 - 5:10 PM	Anupama Subramanian University of Texas at Austin <i>Amgen Scholar</i>	Optimizing the Gas Diffusion Electrode for Lithium Mediated Nitrogen Reduction	Karthish Manthiram <i>Professor of Chemical Engineering and Chemistry; William H. Hurt Scholar</i> Gangsan Lee <i>Postdoctoral Scholar Fellowship Trainee in Chemical Engineering</i>