

Chemistry

Session **C**

Room: 147 Noyes

1:00 - 1:20 PM	Grace R. Tuhabonye <i>Ernest H. Swift SURF Fellow</i>	Decompression of the bacteriophage MS2's genome utilizing cell-free systems	William M. Clemons, Jr. <i>Arthur and Marian Hanisch Memorial Professor of Biochemistry</i> Yan Zhang <i>Postdoctoral Scholar Research Associate in Chemistry and Chemical Engineering</i>
1:20 - 1:40 PM	Camilla Fezzi <i>John Stauffer SURF Fellow</i>	Engineering native N-terminal access to a membrane enzyme: Dual strategies for structural isolation of HyMrAY	William M. Clemons, Jr. <i>Arthur and Marian Hanisch Memorial Professor of Biochemistry</i> Beebee Yusra Kaudeer <i>Graduate Student in Chemistry</i>
1:40 - 2:00 PM	Grace H. Otos	Structural analysis of AgIH as a comparative model for DPAGT1	William M. Clemons, Jr. <i>Arthur and Marian Hanisch Memorial Professor of Biochemistry</i> Jacob Kirsh <i>Postdoctoral Scholar Research Associate in Chemistry</i>
2:00 - 2:20 PM	Katie M. Dao	Thin or monolayer 2D conducting metal-organic frameworks by exfoliation	John Anderson <i>Assistant Professor of Chemistry, University of Chicago</i> Jonas C. Peters <i>Bren Professor of Chemistry</i>
2:20 - 2:40 PM	Alan Song <i>Jack and Edith Roberts SURF Fellow</i>	Terahertz time-domain investigation of molecular quantum bits	Geoffrey A. Blake <i>Professor of Cosmochemistry and Planetary Sciences and Professor of Chemistry</i> Jax Dallas <i>Graduate Student in Chemistry</i>
2:40 - 3:00 PM	Alana C. Nisperos <i>Dr. George R. Rossman SURF Fellow</i>	Modeling the chemistry of the RNO 90 and AS 209 protoplanetary disks: A computational approach revealing radial profiles using CO and H ₂ O spectroscopic data	Geoffrey A. Blake <i>Professor of Cosmochemistry and Planetary Sciences and Professor of Chemistry</i> Emma Dahl <i>Postdoctoral Scholar Research Associate in Planetary Science</i>
3:00 - 3:10 PM	BREAK		

3:10 - 3:30 PM	Aadarsh Balaji <i>John Stauffer SURF Fellow</i>	The electronic structure of Holm clusters	Garnet K. Chan <i>Bren Professor of Chemistry</i> Chenghan Li <i>Postdoctoral Scholar Research Associate in Chemistry</i>
3:30 - 3:50 PM	Haleigh J. Gardner	Stereospecific synthesis of vicinally brominated polycyclooctene (PCOE) and downstream chemistries	E. Bryan Coughlin <i>Professor of Polymer Science and Engineering, University of Massachusetts Amherst</i> Gregory C. Fu <i>Norman Chandler Professor of Chemistry</i>
3:50 - 4:10 PM	Isabella G. Kedikian <i>Sung-Hsien Chen Shih SURF Fellow</i>	Investigating the role of angiotensinogen (AGT) in oxidative stress and inflammation in retinal pigment epithelium (RPE) cells with high-risk CFH (Y402H)	Deborah Ferrington <i>Chief Scientific Officer, Doheny Eye Institute; Professor, University of California, Los Angeles</i> Peng Shang <i>Research Scientist, Doheny Eye Institute</i> Johnson Hoang <i>Research Technician, Doheny Eye Institute</i> Dennis A. Dougherty <i>George Grant Hoag Professor of Chemistry</i>
4:10 - 4:30 PM	Chrystal Duan <i>John Stauffer SURF Fellow</i>	Mechanistic study of N ₂ activation on intermetallic surfaces	William A. Goddard III <i>Charles and Mary Ferkel Professor of Chemistry, Materials Science, and Applied Physics</i> Sejun Kim <i>Postdoctoral Scholar Research Associate in Chemistry</i>