

Chemistry

Session **D**

Room: 128 Baxter

1:00 - 1:20 PM	Jaehwan Ahn Daegu Gyeongbuk Institute of Science and Technology <i>VURP Fellow</i>	Composition optimization of an FeCoNiMo high-entropy alloy for hydrogen evolution	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>
1:20 - 1:40 PM	Eddie I. Anderson Howard University <i>Southern California Edison WAVE Fellow</i>	Computational study of bimetallic MOF electrocatalysts for selective nitrogen reduction reaction	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>
1:40 - 2:00 PM	Aditya Jain University of Cambridge <i>Caltech-Cambridge Exchange</i>	Modelling the effects of tungsten alloying and surface oxidation on coverage-dependent hydrogen evolution in Ni ₁₇ W ₃	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>
2:00 - 2:20 PM	Hsin-tien Lee National Taiwan University <i>BaBar SURF Fellow</i>	Development of a coarse-grained force field for perfluorononanoic acid (PFNA) micellization: From quantum mechanics and molecular dynamics to coarse-graining	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>
2:20 - 2:40 PM	Avery C. Love North Carolina A&T State University <i>Preer WAVE Fellow</i>	Isolating and quantifying the pre-targeting complex of the GET pathway in <i>Aspergillus fumigatus</i>	William M. Clemons <i>Arthur and Marian Hanisch Memorial Professor of Biochemistry</i> Vida Robertson <i>Graduate Student in Biochemistry and Molecular Biophysics</i>
2:40 - 2:50 PM	BREAK		

2:50 - 3:10 PM	Emily A. Stanton Caltech <i>John Stauffer SURF Fellow</i>	Designing a gas cell for the first ultrafast all-electron spectrometer	Scott K. Cushing <i>Assistant Professor of Chemistry</i> Bethany De Roulet <i>Postdoctoral Scholar Fellowship Trainee in Chemistry</i>
3:10 - 3:30 PM	Ifediora P. Nwakuche North Carolina Central University <i>Preer WAVE Fellow</i>	Molecular characterization of mRNA quality control in humans	Isaac Fianu <i>Assistant Professor of Biochemistry; William H. Hurt Scholar</i>
3:30 - 3:50 PM	Carolyn S. Brown Rice University <i>Resnick Sustainability Institute (RSI) WAVE Fellow</i>	Synthesis and characterization of transition metal complexes for molecular qubit applications	Theodor Agapie <i>John Stauffer Professor of Chemistry</i> Fernando Guerrero <i>Graduate Student in Chemistry</i>
3:50 - 4:10 PM	Anna L. Liu Massachusetts Institute of Technology <i>Amgen Scholar</i>	Synthesis and characterization of a trimetallic MnNi_2 complex for CO_2 reduction	Theodor Agapie <i>John Stauffer Professor of Chemistry</i> Nicole Piekut <i>Graduate Student in Chemistry</i>
4:10 - 4:30 PM	Yufan Cheng University of Cambridge	Electronic structure and superconductivity of nickelate with DMET method	Garnet K. Chan <i>Bren Professor of Chemistry</i> Petra Shih <i>Postdoctoral Scholar Research Associate in Chemistry</i>
4:30 - 4:50 PM	Anaya S. Gokarn Caltech <i>Robb and Eunice Rutledge SURF Fellow</i>	Investigating the characteristics of puncta formed by PPAR_γ	Shasha Chong <i>Assistant Professor of Chemistry; Ronald and JoAnne Willens Scholar</i> Donghun Lee <i>Postdoctoral Scholar Research Associate in Chemistry</i>