University of Rochester
Chemistry-Biology Interface Retreat
Sponsored by: *CBI T32 Training Program*
August 16-17, 2018

Thursday August 16 **Lander Auditorium, 140 Hutchison Hall, River Campus**

3:00 PM Sabeeha Merchant (University of California, Berkeley)
"From Economy to Luxury: Mechanism of Eukaryotic Copper Homeostasis"

4:00 PM Randy Schekman (University of California, Berkeley)
"RNA Sorting into Exosomes Secreted by Human Cells"

Friday August 17 **Staybridge Suites, 1000 Genesee Street**

9:30 AM Poster set-up, coffee and refreshments

9:50 AM Kara Bren (UR Chemistry)
Welcome and Introduction

10:00 AM Sarah Bowman (Hauptman-Woodward Medical Institute)
"Shining New Light on X-ray Crystal Structures"

10:30 AM Break

10:45 AM Career panel discussion
Sarah Bowman (Hauptman-Woodward Medical Institute), Sabeeha Merchant (UC Berkeley), Randy Schekman (HHMI, UC Berkeley), Chris Striemer (Adarza Biosystems)

11:45 AM Lunch

12:30 PM Poster session

1:20 PM Eric Moore (T32 Trainee, Fasan Group, UR Chemistry)
"Chemoselective Cyclopropanation over Carbene Y-H Insertion Catalyzed by an Engineered Carbene Transferase"

1:50 PM Chapin Cavender (T32 Trainee, Mathews Group, UR Biochemistry & Biophysics)
"Developing Accurate Energy Models for Computer Simulations of RNAs in Solution"

2:10 PM Jade Welch (Nilsson Group, UR Chemistry)
"Cyclic Peptides as Delivery Agents for siRNA"

2:30 PM Christine Lai (Ermolenko Group, UR Biochemistry & Biophysics)
"The Formation of Intramolecular Secondary Structure Brings the Ends of mRNAs and lncRNAs in Close Proximity"

2:50 PM Retreat ends

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