

University of Rochester
Chemistry-Biology Interface Retreat
Sponsored by: CBI T32 Training Program & Department of Chemistry
June 12, 2023
PROGRAM

Monday June 12 **Staybridge Suites, 1000 Genesee Street**

- 8:45 AM Poster set-up, coffee and refreshments
- 9:15 AM Rudi Fasan (UR Chemistry)
Welcome and Introduction
- 9:20 AM Benjamin Partridge (Assistant Professor, UR Chemistry)
"Supramolecular Materials to Mimic and Manipulate Nature"
- 9:50 AM Mert Koka (Ph.D. Student, Biochemistry and Biophysics, O'Connell Group)
"Pulling the Plug on Bacteriophage Infection: The Role of the CRISPR-Cas13 Activated Membrane Protein Csx28 in Antiviral Immunity"
- 10:10 AM Poster Session A
- 11:00 AM Career panel discussion
Hanan Alwaseem (Rockefeller University), Curtis Broadbent (UR Ventures), Ravinder Kaur (Rochester Regional Health), David Vargas (Merck).
- 12:00 PM Lunch
Posters switch from A to B session
- 1:00 PM Poster Session B
- 1:50 PM Group Picture
- 2:00 PM Aleksa Milosavljevic (Ph.D. Student, Chemistry, Frontier Group)
"Nitrogen-Interrupted Halo-Prins/Halo-Nazarov Cascade: Synthesis of Functionalized Indolines"
- 2:20 PM Yoshita Srivastava (Ph.D. Student, Biochemistry and Biophysics, Wedekind Group)
"Two Riboswitches that Share a Common Ligand-Binding Fold Show Dramatic Differences in the Ability to Accommodate Mutations"
- 2:40-2.45 Break/buffer
- 2:45 PM Ethan DeCicco (Ph.D. Student, Chemistry, Paradine Group)
"New Strategies Towards Oxazolidinone and Oxindole Motifs via Copper-catalyzed Alkene Difunctionalization"
- 3:05 PM Mary Siriboe (Ph.D. Student, Chemistry, Fasan Group)
"Computational Design of Hemoprotein-Based Cyclopropanases with Tailored Stereoselectivity"
- 3:25 PM Concluding Remarks and End of the Retreat