

ORGANIC SEMINAR

FRIDAY, OCTOBER 14TH
2016
9:00 A.M.

HUTCHISON HALL 473

UNIVERSITY OF
ROCHESTER
DEPARTMENT OF CHEMISTRY



GUEST SPEAKER:

PROFESSOR CHARLES JAKOBSCHE

CLARK UNIVERSITY

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

**“FROM ORGANIC SYNTHESIS TO CHEMICAL
BIOLOGY”**

Abstract: The Jakobsche group has a wide range of interests, which spans the interface of organic chemistry, chemical biology, and medicine. The group's research projects each embody several of these major themes: (1) Using synthetic organic chemistry to make target molecules, whether they are structures derived from natural products or artificial compounds created through rational design; (2) Designing functional molecular probes that have well defined interactions with particular proteins or other biological structures and that can be used for chemical biology analysis of these systems; (3) Developing new organic chemistry reactions that can help enable more efficient synthesis of target molecules; (4) Performing detailed analysis of reactions or molecular structures to better understand the properties and reactivities of unusual organic molecules; and (5) Using chemistry to learn about biological systems that are relevant to diseases, medicines, or the immune system.

Host: Professor Alison Frontier, email: alison.frontier@rochester.edu

