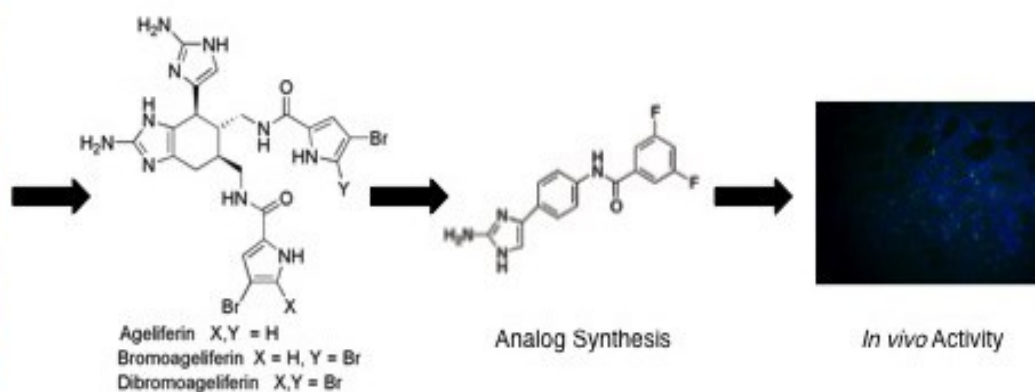


# CHEMISTRY COLLOQUIUM

Guest Speaker:  
**Professor Christian Melander**  
Amherst College  
Department of Chemistry

Wednesday, February 7th, 12:00pm  
Lander Auditorium,  
Hutchison Hall Room 140  
University of Rochester  
Department of Chemistry



## “Antibiotic Adjuvants Based Upon Nitrogen Dense Marine Alkaloids”

**Abstract:** Antibiotic resistance and the rise of antibiotic resistant pathogens are threatening the vast strides we have made over the past century in human medicine. To combat the threatening tide of multi-drug resistant (MDR) bacteria, we have been exploring the use of small molecules based upon naturally occurring nitrogen-dense marine natural products to serve as adjuvants for antibiotic treatment regimens. The talk will detail our efforts to develop small molecule leads that inhibit and disperse bacterial biofilms both *in vitro* and *in vivo*, and the application of knowledge gained through mechanistic studies to identify additional small molecules that are able to reverse both acquired and intrinsic resistance in MDR pathogens.

Host: Professor Alison Frontier, email: [alison.frontier@rochester.edu](mailto:alison.frontier@rochester.edu)