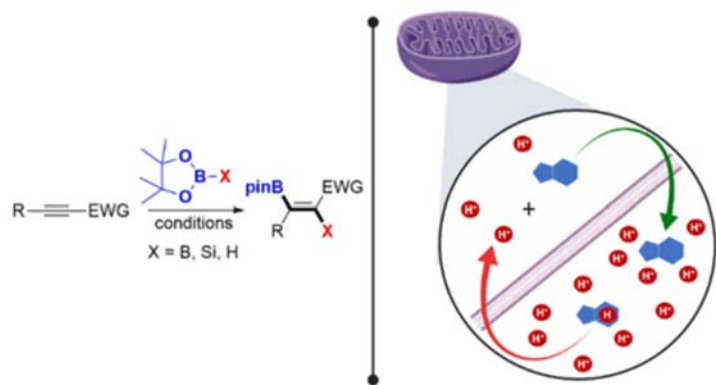


# CHEMISTRY COLLOQUIUM

Guest Speakers:  
**Professor Webster Santos**  
Virginia Tech  
Department of Chemistry

Wednesday, January 15, 12:00pm  
Lander Auditorium  
Room 140, Hutchison Hall  
University of Rochester  
Department of Chemistry



## Title: “trans Selective Borylation Reactions & Drug Discovery Strategies”

**Abstract:** In this two-part presentation, we will discuss our efforts in developing reactions for the addition of B-X (X=B, Si, H) reagents to activated carbon-carbon bonds in a stereoselective manner. We will describe our studies, principles learned, and provide insights into the reaction mechanisms. On the second part, we will highlight our investigations on developing small molecule protonophores selective for mitochondria as potential treatment of fatty liver disease. The medicinal chemistry approach and in vivo studies will be presented.

**Host: Professor Bradley Nilsson**  
email: [bradley.nilsson@rochester.edu](mailto:bradley.nilsson@rochester.edu)