

Stereoselective Borylation Reactions and Sphingosine Kinase Medicinal Chemistry

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In this presentation, we will discuss our work in the development of transition metal-free methods for *trans* borylation of activated alkynes in regio- and stereoselective fashion. Experimental and theoretical studies provide mechanistic insights into stereoselectivity of the reaction. As a separate project, we will disclose the development of sphingosine kinase inhibitors and their use as chemical biology tools in determining the *in vivo* function of the enzymes. Sphingosine kinase is implicated in diseases such as cancer, Alzheimer's diseases, inflammation, and sickle cell disease.

Date: Wed, Feb 28, 2018
Time: 4:30-5:30 pm
Location: 208 Clark Hall

Students, meet the speaker over coffee and cookies in the Bennett Conference room at 3:30 pm