



UNIVERSITY OF MINNESOTA  
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# Department of Chemistry

## *Seminar*

9:45 a.m. Tuesday, January 8, 2013 • 331 Smith Hall



Postdoctoral Fellow

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Department of Chemistry & Chemical Biology  
Harvard University

*Natural Product Synthesis: Design and Discovery  
of New Avenues to Molecular Complexity*

### **Abstract**

Natural Products are an outstanding source of inspiration for the development of novel synthetic methodologies in the context of strategic bond construction and reaction design while also providing opportunities for reaction discovery. The first part of this seminar will focus on surprises and discoveries during our synthesis of the serine protease inhibitor banyaside B, including reassignment of the glycosylation site of the proposed structure. The second part of this talk will discuss the design of anion-binding catalysis for the development of new reactions for the synthesis of sp<sup>3</sup> chlorinated metabolites.

Host: Theresa Reineke

Refreshments will be served prior to the seminar.