University of Minnesota
Driven to Discover℠

Department of Chemistry

Aldrich Seminar in Synthetic Organic Chemistry

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

Professor

Tomislav Rovis

Department of Chemistry
Colorado State University, Fort Collins CO

Ring Forming Strategies in Asymmetric Catalysis

Research interests:
Development of chiral bench-stable nucleophilic carbenes and their use as organocatalysts in organic transformations as well as ligands in transition metal catalysis.

Website:
http://www.chm.colostate.edu/rovis/Rovis_Group_Website/Home_Page.html

Abstract

Construction of complex molecules mandates efficient means of introducing stereochemistry. We have been engaged in the development of a variety of transition metal and small organic molecule catalyzed asymmetric transformations with a focus on C-C and C-N bond forming reactions. Complementary strategies involving heterocumulene fixation as well as aldehyde umpolung reactivity will be discussed with an emphasis on recent discoveries.

Host: Assistant Professor Andrew Harned
Refreshments will be served prior to the seminar.