Necessity is the Mother of Invention: Natural Products and the Chemistry They Inspire

The overarching goal of Professor Reisman’s research program is to discover, develop, and study new chemical reactions within the context of natural product total synthesis.

Website: [http://reismangroup.caltech.edu](http://reismangroup.caltech.edu)

Abstract

The chemical synthesis of natural products provides an exciting platform from which to conduct fundamental research in chemistry and biology. Our group is currently pursuing the synthesis of a number of structurally complex natural products, including the diterpenoids ryanodine and talatisamine, and the antibiotic pleuromutilin. The densely-packed arrays of heteroatoms and stereogenic centers that constitute these polycyclic targets challenge the limits of current technology and inspire the development of new synthetic strategies and tactics. This seminar will describe the latest progress in our methodological and target-directed synthesis endeavors.

Thank you to Millipore-Sigma for sponsoring the seminar. For product information please contact Eve-Marie Walter (eve-marie.walter@emdmillipore.com).

Open Forum: Obtaining Work Life Balance
4:30 p.m. Thursday, Oct. 26
Kate & Michael Barany Conference Room (117/119 Smith Hall)

Coffee & Conversation
9-10 a.m. Friday, Oct. 27, 193 Kolthoff Hall
College of Science & Engineering Distinguished Scientists and Engineers from Underrepresented Groups Speakers Program. Hosted by Department of Chemistry Women in Science & Engineering

All are invited!

Host: Professor Christopher Douglas
Refreshments will be served prior to the seminar.