



School of Natural Sciences UCMERCED
Chemistry Seminar Series 291

**Metallacycle - Mediated Cross - Coupling: Reaction
Development and Application**

Date:

Friday,
12/09/16

Time:

3:00 PM

Location:

COB 267

For More
Information
Contact:

Benjamin Stokes
bstokes2@ucmerced.edu

By Glenn Micalizio
Dartmouth

Abstract:

A brief introduction to metallacycle-mediated cross-coupling will be followed by a focused discussion on the use of alkenes and alkynes in these processes. Building on basic observations regarding reactivity and selectivity, a collection of complex convergent annulation reactions will be described. Finally, the application of one of these processes in natural product synthesis will be discussed.

Bio:

Professor Micalizio trained as a Fellow of the Helen Hay Whitney Foundation in the laboratories of Professor Stuart L. Schreiber at Harvard University (2001-2003), received his PhD at the University of Michigan (2001) after graduate studies in the laboratories of Professor William R. Roush, and completed undergraduate studies at Ramapo College of NJ (1996). Prior to joining the Dartmouth Faculty as the New Hampshire Professor in 2013, Professor Micalizio was an Associate Professor in the Department of Chemistry at The Scripps Research Institute (2008-2013), and an Assistant Professor in the Department of Chemistry at Yale University (2003-2008).