

Frontiers in Chemistry Lectureship

Prof. John Montgomery

University of Michigan

“Development, Applications, and Mechanistic Studies of Regioselective Catalytic Processes”

**4:00 PM, April 21, 2015,
1720 Chem. Bldg., WMU; Reception at 3:30 PM**



The development of several classes of regioselective Ni- and Cu-catalyzed processes will be discussed. Recent efforts from our laboratory have focused on regiodivergent couplings and hydrometallations of alkenes, alkynes, and allenes. Strategies for effecting regiochemistry reversals in the processes as well as the mechanistic understanding of these outcomes will be discussed. Additionally, applications of these principles in arene C-H functionalizations via alkene and alkyne insertion will be described.

Sponsored by:



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