

# Organic Seminar

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## Reaction Design and Catalysis with Aromatic Ions

**Tuesday**

September 21, 2010  
3:30 p.m.

Room 1315 Chemistry

The Lambert group is pioneering the use of aromatic ions in reaction design and catalysis. With this program, we are seeking to develop broadly applicable new paradigms for substrate activation that capitalize on the unique reactivity of ionic aromatic motifs like cyclopropenium cations and cyclopentadienyl anions. This lecture will focus in particular on our development of the concepts of cyclopropenium activation and cyclopropenone catalysis. Several other new concepts in catalysis based on cyclopropenium ions will also be discussed.