

2013-2014 POCC Lecture Series

May 22, 2014, 8:00 PM

≈ **POCC Student Choice Lecture** ≈

Prof. Tristan H. Lambert

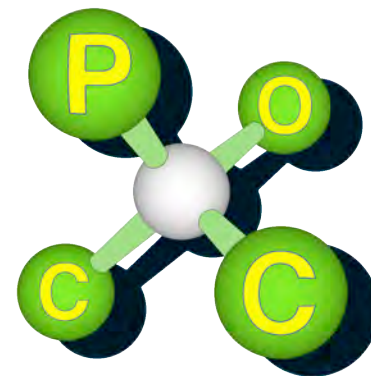
Columbia University

The Use of Aromatic Ions for the Design of Highly Reactive Organocatalysts

Carolyn Hoff Lynch Lecture Hall

Chemistry Building, University of Pennsylvania

The Philadelphia
Organic Chemists'
Club



POCCclub.org

Tristan Lambert was born in Madison, Wisconsin in 1976 and received his B.S. from the University of Wisconsin at Platteville in 1998. That year he began graduate studies with David MacMillan at the University of California at Berkeley, and moved with MacMillan to Caltech in 2000 where he received his Ph.D. in 2004. From 2004-2006 he was an NIH postdoctoral fellow with Samuel Danishefsky at the Memorial Sloan-Kettering Cancer Center. In 2006 he joined the chemistry department at Columbia University and was appointed Associate Professor in 2011. He has received numerous awards, including the Alfred P. Sloan Fellowship, the Eli Lilly Grantee Award, and Young Investigator Awards from Abbott and Amgen. His research group is interested in the areas of catalysis, method development, and synthesis.

Abstract: Our group is exploring the use of aromatic ions in reaction design and catalysis. With this program, we are seeking to develop broadly applicable paradigms for substrate activation that capitalize on the unique reactivity of ionic aromatic motifs, especially including cyclopropenium ions. This lecture will focus in particular on our development of cyclopropenimines as a highly effective platform for enantioselective Bronsted base catalysis.