



2016-2017 POCC Lecture Series

March 16, 2017, Posters 4:00 PM, Lecture 8:00 PM

POCC Industrial Award

Dr. Spencer D. Dreher

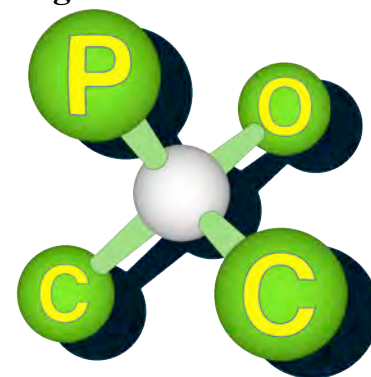
Merck

*Enabling Modern Catalysis in Drug Discovery and Development:
From Collaboration to Chemo-informatics*

Carolyn Hoff Lynch Lecture Hall

Chemistry Building, University of Pennsylvania

The Philadelphia
Organic Chemist's Club



POCCclub.org

To join us for dinner before the lecture please contact POCC's secretary Thomas Razler (thomas.razler@bms.com) at least one week ahead of time.

Abstract: Modern Catalysis promises to change the way we make molecules- both the diversity of molecular structures that can be accessed and the rate at which they can be synthesized. Specific catalyst, solvent, base, temperature, etc. effects on catalysis reaction performance when using complex, real-world substrates is hugely problematic, and as a result catalysis (outside the venerable Suzuki reaction) remains almost entirely un-used in applied synthesis. Recent advances in miniaturized high-throughput experimentation chemistry technologies can help greatly in rapid catalysis problem-solving. Many advances on this front were made in Philadelphia in the University of Pennsylvania HTE Chemistry Lab. Going forward, chemo-informatics approaches will aid greatly to reduce the burden of screening to solve every complex chemistry problem.