



*The University of Chicago  
Department of Chemistry  
Colloquium*

*Professor Jonathan Ellman  
Yale University*

***Julius Stieglitz Memorial Lecture***

*“New Methods for the Synthesis and Elaboration of  
Amine Containing Compounds”*

Practical new methods for carbon-carbon bond formation will be described, including asymmetric transformations of *N-tert*-butanesulfinyl imines, enantioselective reactions mediated by *N*-sulfinyl urea catalysts, and Rh(I)- and Rh(III)-catalyzed C-H bond functionalization chemistry. Methods will in particular be described that provide regio- and stereoselective entry to pharmaceutically relevant classes of chiral amines and both aromatic and non-aromatic nitrogen heterocycles. Applications of these methods to the efficient synthesis of bioactive natural products and drugs will also be presented.

*Monday, November 21<sup>st</sup>, 2011  
Kent 120  
4:00 P.M.*

*Tea begins at 3:45 PM in Kent Lobby.*

*Host: Jared Lewis  
2-3546*

*Persons with a disability, who believe they may need assistance, please  
call (773) 702-8639 in advance.*