

UCLA Chemistry &
Biochemistry

Procter & Gamble

presents

UCLA Student Organization for Cultural Diversity in Science
Lectureship Series

with

Professor Stefan France



School of Chemistry and Biochemistry
Georgia Institute of Technology

“The Catalytic, Formal Homo-Nazarov Cyclization as a Promising Template for Diversity-Oriented Synthesis”

Abstract. A critical challenge in the field of organic synthesis is assembling large collections of diverse compounds for use as chemical building blocks, biological probes, therapeutics or organic materials. Toward this end, the catalytic, formal homo-Nazarov cyclization, an intramolecular ring-opening cyclization strategy, represents a promising template for accessing chemical diversity. Herein, several derivations of these cyclization strategies to distinct molecular skeletons will be discussed. These strategies will highlight chemical modularity and versatility along a “mix-and-match” approach to access broader chemical space. Finally, specific applications of the methods toward the synthesis of biologically-relevant molecules and natural products will be showcased.

Thursday, February 23, 2017

5:00 PM

CS50 Young Hall

For further information, contact David Gingrich at gingrich@chem.ucla.edu