

UCLA

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

presents

Organic Colloquium

with

Professor Bradley S. Moore



Scripps Institution of Oceanography and
Skaggs School of Pharmacy and Pharmaceutical Sciences
University of California, San Diego

“Empowering Natural Product Drug Discovery through Biosynthesis”

Abstract. Natural product chemicals have historically been discovered based on their molecular and biological properties. With the ease and affordability of genome sequencing today, a new era in natural product chemical discovery is unfolding in which genomics and biosynthesis are together fostering new innovations in compound discovery. This orthogonal discovery approach takes advantage of the biosynthetic potential of a genome-sequenced organism to design hypothesis-driven experiments to uncover new chemical entities. Examples from the author’s laboratory will highlight the myriad of available and evolving genome mining approaches to new natural product chemistry and biosynthetic enzymology.

Thursday, November 21, 2013

5:00 PM

Cram Conference Room - 3440 Mol Sci

Refreshments served at 4:30 PM

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