



2014-2015 POCC Lecture Series

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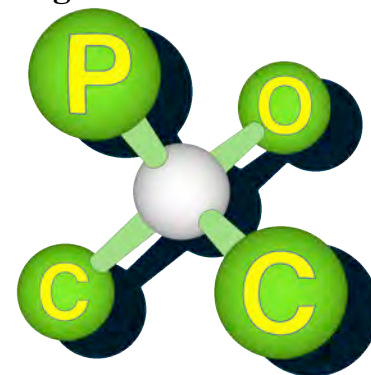
Prof. Nicola L. B. Pohl

Indiana University

*The Challenges of Oligosaccharide Synthesis and the
Mysteries of Bismuth*

Carolyn Hoff Lynch Lecture Hall
Chemistry Building, University of Pennsylvania

The Philadelphia
Organic Chemist's Club



POCCclub.org

Nicola Pohl, professor of chemistry and the Joan and Marvin Carmack Chair in Bioorganic Chemistry, received her B.A. degree from Harvard College in 1991 and her Ph.D. in chemistry from the University of Wisconsin-Madison in 1997. Following an NIH Postdoctoral Fellowship in the Department of Chemical Engineering at Stanford University, she joined the faculty at Iowa State University in the fall of 2000. She was a professor of chemistry and of chemical and biological engineering and held the Wilkinson Professor of Interdisciplinary Engineering at Iowa State University before moving to Indiana University in summer 2012.

Abstract: A major limitation in the study of glycobiology is ready access to chemically well-defined structures. This talk will describe efforts to develop methods for glycan synthesis that are amenable to solution-phase automated processes and how this quest led to the discovery of a new bismuth-mediated glycosylation reaction.