2024-2025 POCC Lecture Series

September 26, 2024, 7:30 PM

Prof. Scott Snyder

University of Chicago

Strategies for the Rapid Synthesis of Molecular Complexity

IN PERSON @:

Carolyn Hoff Lynch Lecture Hall Chemistry Building,
University of Pennsylvania

6:30 Reception in the Nobel Hall

Food and drinks to be provided!

The Philadelphia Organic Chemist's Club

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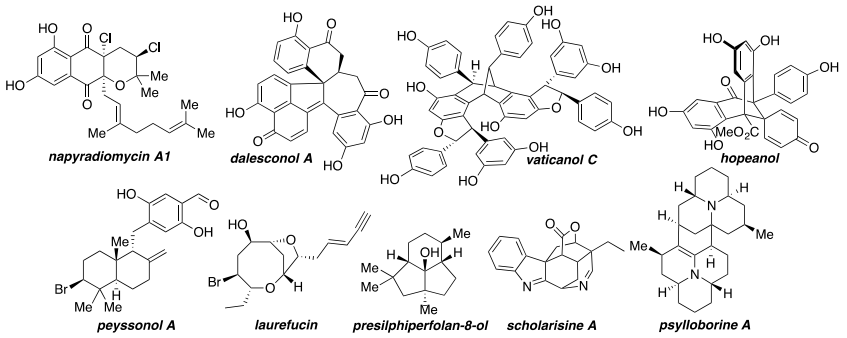
Abstract: The total synthesis of natural products has long served as a principal driving force for discovering new chemical reactivity, evaluating physical organic theories, testing the power of existing synthetic methods, and enabling biology and medicine. Research in our group continues in that tradition, with efforts focused on developing reactions, reagents, and strategies to rapidly assemble entire collections of natural products in hopes of gaining a fuller understanding of their biochemical potential. Over the past decade, these efforts have afforded access to numerous classes of compounds, including halogenated materials, diverse polycyclic and stereochemically dense alkaloids, non-functionalized terpenes, and oligomeric polyphenols. This talk will present recent advances and discoveries, focused particularly on structurally unique terpene targets.



Bio: Scott received his Ph.D. degree with K. C. Nicolaou at The Scripps Research Institute in 2004 and then completed postdoctoral studies with E. J. Corey at Harvard University. In 2006, he began his independent career at Columbia University, and following a subsequent stint at The Scripps Research Institute, joined the University of Chicago as a Professor of Chemistry in 2015. Overall, Scott has trained more than 100 scientists in his laboratory in the art of natural product synthesis and is broadly dedicated to chemical education through his co-authorship of several books used worldwide at both the undergraduate and graduate levels. Recent honors include a Swiss Chemical Society Lectureship and the Arthur C. Cope Scholar award from the American Chemical Society.