



2024-2025 POCC Lecture Series

Oct 24, 2024, 7:30 PM

Dr. Rebecca Green

BMS

Sustainable Route Design and Development of Udifitimid

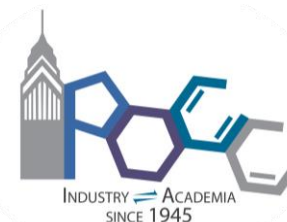
IN PERSON @:

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
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Abstract: This talk will discuss the process development of udifitimid, an SIPI agonist. The synthesis features a Mn-catalyzed borrowing hydrogen alkylation and a Ni-catalyzed Miyaura borylation. Development of these processes were enabled by kinetic analysis and mechanistic studies driven by in-process analytical techniques.

Bio: Rebecca Green completed her B.Sc. at McGill University in 2011 in her hometown of Montréal, Canada. She then moved to California to pursue her Ph.D. at UC Berkeley. During her graduate studies, working in the lab of Professor John F. Hartwig, she focused on Ni (and some Pd) catalyzed C-N coupling reactions with a particular interest in mechanistic studies. After graduating in 2016, Rebecca moved to New Brunswick, NJ, and joined the process chemistry group at Bristol Myers Squibb, where she is currently an Associate Scientific Director. While at BMS, Rebecca continues to follow her passion for transition-metal catalysis and mechanistic studies in process chemistry. She currently leads project teams with a focus on safe, robust, and sustainable process development.

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