



2021-2022 POCC Lecture Series

April 21, 2022, 7:30 PM
5:00 Poster Reception in the Nobel Hall

Dr. Dani Schultz
Merck and Co.

Utilizing high-throughput experimentation to catalyze diverse chemistry and collaborations within and outside of Merck

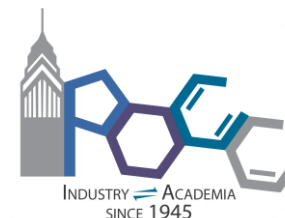
IN PERSON POSTER SESSION AND TALK (Details Below)

In person attendees must complete a [PennOpen Campus](#) pre-screening on the day of their visit, campus

Carolyn Hoff Lynch Lecture Hall Chemistry Building, University of Pennsylvania

Virtual option will also be available via Zoom ([LINK](#))

The Philadelphia Organic
Chemist's Club



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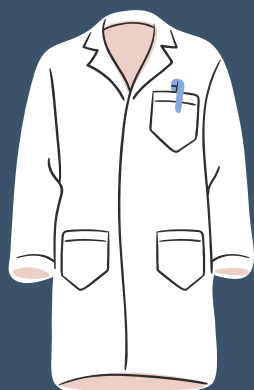
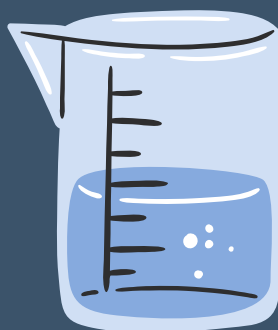
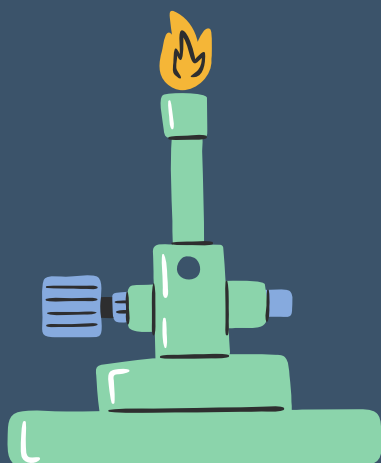
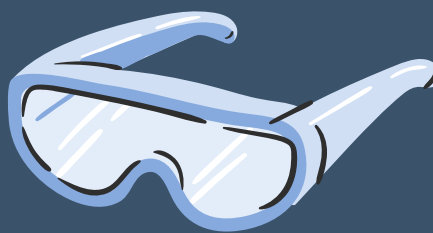
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Abstract: Current examples will be discussed that highlight how approaching catalysis through high-throughput experimentation (HTE) has addressed several synthetic challenges that have occurred during pharmaceutical development at Merck. Emphasis will be given towards recently published methodologies that focus on the direct functionalization of sp³ C-H bonds via decatungstate photocatalysis, PTC-catalyzed nucleophilic fluorination, and Ni-catalyzed C-H arylation. These methodologies were the result of strong academic-industrial collaborations that were ultimately enabled with HTE.

Bio: Dani Schultz received her PhD from the University of Michigan working with Professor John Wolfe and was an NIH postdoctoral fellow at the University of Wisconsin-Madison with Professor Tehshik Yoon. Since joining Merck in 2014, Dani has been a member of Process Chemistry and Enabling Technologies in Rahway, NJ and as of 2021 became the Director of the Discovery Process Chemistry group in Kenilworth, NJ. Throughout her time at Merck, Dani has been involved in the development of synthetic routes for drug candidates spanning HIV and oncology and has utilized HTE and photochemistry to address the synthetic challenges that occur during pharmaceutical development.

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UPENN CHEMISTRY DEPT & MCS PROGRAM

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INVITES ALL GRADUATE-LEVEL
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APRIL 21, 2022 5-7PM

POCC MEETING @ 7:30

IN-PERSON: UPENN CHEMISTRY COMPLEX

DINNER PROVIDED, REGISTRATION REQUIRED
CONTACT RESKRIDG@SAS.UPENN.EDU FOR MORE INFO

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POSTERS WILL BE ACCEPTED UNTIL ALL SPOTS ARE FILLED

