



I joined Syntech CDT after conducting a research project in the area of continuous heterogeneous photo-flow chemistry at the Massachusetts Institute of Technology. My initial bachelor's and master's degrees in chemistry from Vienna University and Vienna University of Technology gave me a broad understanding of synthetic chemistry from materials synthesis to organic synthesis. Within Syntech CDT, I would like to conduct research at the intersection of synthetic chemistry, computer science and automation. I will work on approaching chemistry challenges, in particular synthetical challenges, via data-driven approaches and robotic workflow in order to optimize and enhance process development.

Publications:

A Continuous Stirred-Tank Reactor (CSTR) Cascade for Handling Solid-Containing Photochemical Reactions

Alexander Pomberger, Yiming Mo, Kakasaheb Y. Nandiwale, Victor L. Schultz, Rohit Duvadie, Richard I. Robinson, Erhan I. Altinoglu, and Klavs F. Jensen
Organic Process Research & Development **2019** 23 (12), 2699-2706
DOI: 10.1021/acs.oprd.9b00378

Continuous Flow Suzuki-Miyaura Couplings in Water Under Micellar Conditions in a CSTR Cascade Catalyzed by Fe/ppm Pd Nanoparticles

Alex Wood, Kakasaheb Y Nandiwale, Yiming Mo, Jin Bo, Alexander Pomberger, Victor Shultz, Fabrice Gallou, Klavs F Jensen and Bruce Howard Lipshutz
Green Chemistry 2020
<https://doi.org/10.1039/D0GC00378F>