

Dr. Christoph Schotes

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Title talk: Industrial Scale Enantioselective Hydrogenation using Pfaltz-Type Catalysts



Christoph Schotes studied chemistry from 2003 at TU Munich before moving to Switzerland for his master's degree at ETH Zurich. He composed his PhD thesis in the research group of Prof. Antonio Togni and Prof. Antonio Mezzetti on Ruthenium/PNNP-catalyzed asymmetric Diels-Alder and Ficini reactions. After a post-doctoral stay with Bernhard Breit working in the field of total synthesis, he started his career in the chemical industry with Solvias AG as a project leader, focusing on asymmetric catalysis and route scouting. In 2014 he took up his first position within Bayer AG as a head of laboratory in Process Research. He became head of laboratory and project manager at CropScience Chemical Process Development in 2018 before moving on to Pharmaceutical Process Development in 2023.

His work focusses on scaling-up processes from lab scale to multi-hundred metric ton scale and solving all associated chemical, technical, and regulatory issues. His specialties are asymmetric catalysis and technological innovation, which he furthers in collaboration with several industrial and academic partners.