

*Catalysis as Key Technology for the Synthesis
of APIs and their Building Blocks*

Prof. Stephan Bachmann

F. Hoffmann - La Roche AG (Switzerland)

Friday 04th October, 2013. ICIQ Auditorium, 12 p.m.

Professional career



Stephan Bachmann was born in Rheinfelden (Switzerland) in 1974. He studied chemistry at the ETH in Zürich from which he obtained his diploma in 1998 with main topics in organometallic and macromolecular chemistry. He obtained his Ph. D. in 2002 working under the supervision of Prof. Antonio Mezzetti and Prof. Antonio Togni with focus on ruthenium catalyzed asymmetric atom transfer reactions (cyclopropanation, epoxidation). He then moved to Aarhus (Denmark) for a postdoctoral stay with Prof. Karl Anker Jørgensen, performing a shift in interest from traditional organometallic chemistry towards organocatalysis. Stephan joined the catalysis group of F. Hoffmann-La Roche Ltd. in 2004, where he is working since as a lab head with main focus on process research and catalytic applications. He was promoted to senior scientist in 2009 and acts as deputy group leader for the catalysis group since 2011.

Research Interests

Process research towards the synthesis of building blocks of new pharmaceutically active compounds.
Synthesis of new ligands and catalysts.
Reactions with homogeneous and heterogeneous catalysts if required with gases (e.g. H₂, CO, NH₃,...) under pressure.