

Potential and Mechanisms of Enantioselective C-H and C-C Bond Functionalizations

Prof. Nicolai Cramer

Laboratory of Asymmetric Catalysis and Synthesis
École polytechnique fédérale de Lausanne (Switzerland)

Friday 10th June, 2011. ICIQ Auditorium, 12 p.m.

Professional career



Dr. Nicolai Cramer was born and raised in Stuttgart, Germany. In 1998 he began his studies in Chemistry at the University of Stuttgart and the CPE in Lyon and received his Diploma degree in 2003. He stayed in Stuttgart and earned his PhD degree in 2005 under the guidance of Professor Sabine Laschat. His doctoral work was focused on the development of a total synthesis of the tetramic acid lactam *cylindramide*. After a research stay with Professors M. Murata and S. Hase at Osaka University, Japan, he joined the group of Professor Barry M. Trost at Stanford University as a postdoctoral fellow in 2006, where he worked on palladium-catalyzed asymmetric TMM-cycloadditions and their implementation in the total synthesis of the oxindole alkaloid *marcfortine B*. In fall 2007 he resumed his current position at the ETH Zurich as Habilitant associated to the chair of Professor Erick M. Carreira. His research program is based on synthetic organic chemistry and catalysis. In fall 2010, he resumed his current position at EPF Lausanne.

Recent Awards and Fellowships

2011 ERC Starting Grant

2010 Euehems European Young Chemist Award, Gold Medal

2010 ADUC Habilitationspreis 2009

2009 Winner of the Solvias-Ligand Contest

2007-2010 Liebig-Grant from the Fonds der Chemischen Industrie

2006 - 2007 Feodor Lynen fellowship from the Alexander von Humboldt foundation