

EUCHEM Conference on Stereochemistry



Known as the 'Bürgenstock Conference', this annual meeting has become famous as an outstanding international chemistry meeting of high scientific quality, with an optimal setting for intense inter-disciplinary discussion. In 2010, the meeting will be again at the Seehotel Waldstätterhof Brunnen on the shores of Lake Lucerne: Stereochemistry is the underlying principle by which we understand the processes of life and the properties of matter at the molecular level. It is a key element not only in all chemical disciplines, but also in molecular biology, molecular medicine, biophysics, and material design. The 'Bürgenstock Conference' has grown over the years into a multidisciplinary conference where frontier science is discussed. For accounts of the 2008-conference see: a) N. Cramer, J. Waser, [Chimia 2009, 63, 512](#). b) G. Roelfes [Angew. Chem. 2009, 121, 6894](#). c) J. E. Moses, M. Rueping, L. Cronin [Chem. Commun. 2009, DOI: 10.1039/B916784F](#).

The 45th EUCHEM Conference on Stereochemistry (Bürgenstock-Conference 2010)

will be held under the presidency of Prof. E. Peter Kündig, University of Geneva, CH, from the
**2nd to the 7th May 2010 in Brunnen
on the shores of Lac Lucerne, Switzerland**

Attendance will be limited to ca.120 participants. The organisers (the president: E. Peter Kündig and the committee members: Donald Hilvert, Jérôme Lacour, Reto Naef, Philippe Renaud, Jay Siegel and Helma Wennemers) will aim at a good balance of younger and more experienced participants from academic and industrial laboratories. Following its long tradition the detailed program (names of speakers and lecture titles) is not announced prior to the conference and both lecturers and participants are requested to stay for the entire conference.

As previous Bürgenstock Conferences, the 2010 edition will again be highly interdisciplinary, covering many areas of chemistry in its main body, but allowing also for relevant highlights from neighboring disciplines, with due focus on structural and mechanistic aspects in all contributions. However, the main areas in which lectures will be given are: *Organic and metal-organic chemistry*: catalysis and enantioselective synthesis, design of chiral ligands for asymmetric synthesis, organocatalysis, asymmetric cyclizations, total synthesis of natural products, hydrocarbon chemistry, preparation of fluorinated compounds, organometallic chemistry, heterocyclic chemistry. *Physical organic chemistry and molecular recognition*: quantitative approach to reactivity of organic molecules, design of receptors and sensors, signal amplification. *Chemical biology*: chemoselective ligation, biomolecule synthesis, biomolecular recognition processes involving protein-saccharide interactions, protein design and engineering, neurochemistry and structural neurobiology, mode of action and mechanism of biosynthesis of antibiotics.

The program consists of 14 plenary lectures with ample time for discussions so that each topic can be presented fully and be examined from different angles and perspectives. Lectures and discussions are held in the mornings and the evenings. The afternoons are free for recreation, informal discussions, and poster sessions.

Please check the conference web-page for more details and registration procedures.

<http://www.stereochemistry-buergenstock.ch/>