9. Swiss Course on Medicinal Chemistry in Leysin Switzerland, October 10-15, 2010

This exciting course focuses on concepts and tools of medicinal chemistry, science at the interface of synthetic chemistry, computational chemistry, biochemistry, pharmacology and toxicology, drug metabolism and disposition. As such, it primarily addresses medicinal chemists, synthetic chemists, biochemists and pharmacologists but interested parties from related fields are also welcome.

Modern preclinical drug research and development will be communicated by state-of-the-art lectures, interactive lectures, case studies and tutorials presented by experts from both academia and industry.

More information can be found on [http://www.swiss-chem-soc.ch/smc/leysin/leysin.html](http://www.swiss-chem-soc.ch/smc/leysin/leysin.html)

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Dr. Gerhard Müller, proteros fragments GmbH, e-mail: mueller@proteros-fragments.com
Thursday, 27 May 2010, 13:55 – 17:30
Invitation to the Minisymposium

Channels and Transporters

13:55 h  Welcome
           Hans Peter Märki, SCS Division of Medicinal Chemistry

14:00 h  «Introduction and Basics of Channels and Transporters»
           Beat Ernst, University of Basel

14:35 h  «The Structural Basis for Ion Conduction and Gating
         in Pentameric Ligand-Gated Ion Channels»
           Raimund Dutzler, University of Zurich

15:15 h  «Uptake and Efflux Transporters for Endogenous
         Substances and for Drugs»
           Dietrich Keppler, University of Heidelberg

16:00 h  Coffee Break

16:30 h  Case Study 1: «The Identification of T-Type Calcium
         Channel Blockers»
           Mark J. Suto, Icagen Inc., Durham NC (USA)

17:00 h  Case Study 2: «AVOSENTAN»
           Werner Neidhart, F. Hoffmann-La Roche Ltd, Basel

17:30 h  Closing Remarks
           Hans Peter Märki

17:30 h  Apéro

No Registration – Free Entrance

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Map: www.chemie.unibas.ch/visitors/index.html

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