

**Second Swiss Course on Medicinal Chemistry
6-11 October 1996, Leysin, Switzerland**

organized by

**the Section of Medicinal Chemistry of the
New Swiss Chemical Society**

SCOPE OF THE COURSE

The course on medicinal chemistry offers to young scientists with a few years of experience in the pharmaceutical industry and interested Ph.D. students a broad overview of disciplines involved in modern preclinical drug research. Active participation by the participants in tutorials and the presentation of three case histories are important parts of the course.

PROGRAMME

What is medicinal chemistry?

Molecular & Cell Biology

What are the targets for the medicinal chemist
Introduction to molecular biology
Integration of molecular biology with medicinal chemistry
Introduction to molecular immunology

Lead Finding & Development

Lead discovery
Introduction to combinatorial chemistry
Developing a lead
Patents and regulatory aspects

Pharmacodynamics

Principles of pharmacological assays
Ion channels as drug targets

Pharmacokinetics, Toxicology & Drug Delivery

Introduction to pharmacokinetics
Introduction to drug metabolism
Introduction to molecular toxicology
Formulation and drug delivery

Molecular Design & Lead Optimization

Physicochemical concepts and drug absorption
Molecular modeling
Computer-assisted lead optimization

Case Histories

Development of aromatase inhibitors
The story of LESCOL
Development of INVIRASE

ORGANIZATION

Prof. Gerd Folkers (ETHZ, chairman), Dr. H. van de Waterbeemd (Roche, vice-chairman), Dr. W. Froestl (Ciba), Dr. R. Jakob-Roetne (Roche), Dr. D. Rognan (ETHZ), Prof. B. Testa (Uni. Lausanne), Dr. R. Wenger (Sandoz).

WORLD WIDE WEB

A description of the course including programme, location, accomodation facilities and registration form can be found at the following URL: <http://www.pharma.ethz.ch/leysin>

PRACTICAL INFORMATIONS

The course will be held at the Classic Hotel in Leysin, Switzerland. The individual fee of SFr 2500,- includes hotel accomodation with breakfast, course documentation, coffee breaks, lunches and dinner. Students pay a special price of only SFr 250,- (please include justification to your registration). The registration form should be returned before the end of April 1996. The course is limited to about 60 participants. Late registrations after May 1st 1996 will require 10% additional fee.

CONTACT

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