
CONTENTS INHALT SOMMAIRE

CHIMIA NEWS

- 4 Editorial Board
 - 4 Homepage
 - 4 On-Line Version
 - 5 Instructions to Authors 2006
-

Pharmaceutical Sciences at the University of Basel

EDITORIAL

- 7 *B. Ernst*
-

PHARMACY IN BASEL

- 8 Pharmacy in Basel
M. Kessler
-

RESEARCH ACTIVITIES

- 14 Unravelling the Potential of Natural Products – Biological Profiling of Extracts and New Molecules
M. Hamburger
- 19 Targeted Approaches in Natural Product Lead Discovery
O. Potterat
- 23 Glycosyltransferases: An Efficient Tool for the Enzymatic Synthesis of Oligosaccharides and Derivatives as well as Mimetics Thereof
*S. Rabbani, O. Schwardt, B. Ernst**
- 28 Drug Discovery through Nuclear Magnetic Resonance Spectroscopy:
From Binding Epitopes and Ligand Screening to Conformational Analysis
B. Cutting
- 33 Computational Pharmaceutical Chemistry – Novel Technologies for Lead Optimization and the Prediction of ADMET Properties
M.A. Lill
- 37 Mitochondrial Toxicity of Drugs
*L. Todesco, K. Waldhauser, S. Krähenbühl**
- 40 Pharmaceutical Technology: Drug Delivery, Formulation, and Process Research
H. Leuenberger
- 46 Quantitative Concepts in Drug Formulation and Absorption and their Relevance for Drug Delivery
G. Imanidis, M. Sutter, S. Reitbauer, S.B. Kapitza, P. van Hoogeveest, D. Hummel, B. Müller, P. Lütolf*
- 50 The Industrial Pharmacy Lab: New Concepts in Powder and Process Technology
G. Betz
- 54 Pharmacoepidemiology – Assessing the Risks and Benefits of Drugs in the Postmarketing Phase
C.R. Meier
- 58 Clinical Pharmacy and Pharmaceutical Care: Patient-Oriented Application of Pharmaceutical Expertise
M.L. Lampert, S. Krähenbühl, K.E. Hersberger, R.G. Schlienger*
- 62 Hospital Pharmacy and Research
C. Surber, C. Pellanda, K. Zimmermann, M. Endres, V. Figueiredo, R. Werner, H. Plagge, R. Leu Marseiler*

TOWARDS EXCELLENCE IN TEACHING AND LEARNING

- 66 How to Provide Feedback to Students' Learning – Assignment and Feedback Concept in the Blended Learning Environment *pharma*²
*C. Weber, A. Vögeli, A. Ensner, A.-B. Utelli**
- 70 A Thorough Training in *Modern Drug Design*
A. Vedani, O. Schwardt, S. Rabbani, B. Ernst*
- 76 Pharmaceutical Care – A New Discipline in the Curriculum:
Introducing Pharmacy Students to Medication Non-Compliance
K.E. Hersberger, I. Arnet*
- 80 E-Learning and Development of New Courses and Scientific Work in the Field of Pharmaceutical Technology
H. Leuenberger, N. Menshutina, G. Betz, M.N. Puchkov*
-

BIRTHDAY

- 83 Albert Hofmann's Pioneering Work on Ergot Alkaloids and Its Impact on the Search of Novel Drugs at Sandoz,
a Predecessor Company of Novartis
Dedicated to Dr. Albert Hofmann on the occasion of his 100th birthday
R.K.A. Giger, G. Engel*

CONFERENCE REPORT

- 88 University of Zürich Hosts Symposium in Honor of Dr. Albert Hofmann:
Scientist and Scientific Inspiration
January 27, 2006
N.S. Finney

PRELOG LECTURE 2005

- 90 In Control of Chirality, from Asymmetric Catalysis to Nanomachines
B.L. Feringa

HIGHLIGHTS OF ANALYTICAL CHEMISTRY IN SWITZERLAND

- 95 Entry Pathways of UV Filters from Sunscreens to Swiss Lakes
M.E. Balmer, H.R. Buser, T. Poiger*

SCG/SSC/SCS

- 96 Generalversammlung der SCG – Assemblée générale de la SCG
97 SCG-Jahresbericht 2005
105 SCS Congratulates Dr. Albert Hofmann on the occasion of his 100th birthday
105 The Board of the Swiss Chemical Society congratulates its Member Dr. Reto Battaglia
for the EuCheMS Award for Service
106 DAC Division of Analytical Chemistry

INFORMATION

- 107 ,Transfer' der Chemie von Winterthur nach Wädenswil:
Verhängnisvoller Abbau von Qualität und Ausbildungsplätzen
G. Wolf
113 Lectures
114 Congresses – Conferences – Workshops

CHIMIA-REPORT

- 115 Markt, Apparate, Chemikalien und Dienstleistungen