
INFORMATION

News

Prof. Dr. Dieter Seebach – Birthday



The Editorial and Advisory Boards of CHIMIA congratulate Prof. Dr. Dieter Seebach on the occasion of his seventieth birthday. Key articles of Prof. Seebach and coworkers in CHIMIA include:

Reviews:

Dieter Seebach, Ernest W. Colvin, Friedrich Lehr, Thomas Weller
'Nitroaliphatic Compounds – Ideal Intermediates in Organic Synthesis?'

Chimia **1979**, *33*, 1–18.

Dieter Seebach, August Hidber

'Synthese bei Temperaturen unter $-80\text{ }^{\circ}\text{C}$ '

Chimia **1983**, *37*, 449–462.

Claudia Betschart, Dieter Seebach

'Anwendungen niedervalenter Titan-Reagentien in der Organischen Synthese'

Chimia **1989**, *43*, 39–49.

Dieter Seebach

'TADDOLs – from Enantioselective Catalysis to Dendritic Cross Linkers to Cholesteric Liquid Crystals'

Chimia **2000** *54*, 60–62.

Research papers:

Albert K. Beck, Bahram Bastani, Dietmar A. Plattner, Walter Petter, Dieter Seebach, Hans Braunschweiger, Peter Gysi, Luigi La Vecchia

'Grossansätze zur Herstellung von a,a,a',a'-Tetraaryl-1,3-dioxolan-4,5-dimethanolen (TADDOLe): Nützliche Hilfsstoffe für die EPC-Synthese und ihre Struktur im Festkörper'

Chimia **1991**, *45*, 238–244

Tobias Hintermann, Dieter Seebach

The Biological Stability of β -Peptides: No Interactions between α - and β -Peptidic Structures?

Chimia **1997**, *51*, 244–247.

Dieter Seebach, Stefan Abele, Jürg V. Schreiber, Bruno Martinoni, Alexander K. Nussbaum, Hansjörg Schild, Henk Schulz, Hauke Hennecke, Ralph Woessner, Francis Bitsch

'Biological and Pharmacokinetic Studies with β -Peptides'

Chimia **1998**, *52*, 734–739.

Prof. Peter Chen was named Vice-President of Research at ETH Zurich

Prof. *Peter Chen*, Laboratory of Organic Chemistry, ETH Zurich, was named Vice-President of Research at ETH Zurich. He will follow Vice-President Dimos Poulidakos on September 1, 2007.

DrugBank Database

The freely available *DrugBank database* at the University of Alberta combines detailed drug (chemical, pharmacological and pharmaceutical) data with comprehensive drug target (sequence, structure, and pathway) information. The database contains nearly 4300 drug entries including more than 1000 FDA-approved small molecule drugs, 113 FDA-approved biotech (protein/peptide) drugs, 62 nutraceuticals and more than 3000 experimental drugs. Additionally, more than 6000 protein (drug targets) sequences are linked to these drug entries. Each drug record contains more than 80 data fields with half of the information being devoted to drug/chemical data and the other half devoted to drug target or protein data.

<http://redpoll.pharmacy.ualberta.ca/drugbank/>

Historischer Streifzug durch das chemische Labor

Die Wanderausstellung 'Museum auf Achse' zu Besuch an der ETH Zürich.

Von mittelalterlicher Probierkunst über Porzellanerfinder und erste Laborgeräte bis hin zur hochentwickelten Molekül Modellierung: Das 'Museum auf Achse', eine Wanderausstellung des Carl Bosch Museums Heidelberg, gastiert vom 14. August bis zum 20. Oktober an der ETH Zürich und nimmt die Besucher mit auf eine spannende Zeitreise durch die Tradition chemischer Forschung.

Öffnungszeiten

Dienstag, Mittwoch, Freitag, Samstag: 10.00–16.00 Uhr,

Donnerstag: 10.00–19.00 Uhr

Ort

ETH Hönggerberg, Piazza zwischen Bistro und HCI

Weitere Informationen

Website Dr. Barbara Brauckmann, Tel. 044 632 60 81

Congresses – Conferences – Workshops

September 12–13, 2007, PSI Villigen
**Annual Meeting 2007 of the Swiss Society of Crystallography
 SGK/SSCr**

<http://diffraction.web.psi.ch/sgk-sscr-2007.htm>

September 21, 2007, PSI Villigen
Festkolloquium: SINQ, the first 10 Years

http://sinq.web.psi.ch/images/10y_poster.pdf

May 18–25, 2008, Beatenberg above Interlaken
**IWCGT-4 Fourth International Workshop on Crystal Growth
 Technology**

<http://www.beatenberg.ch/IWCGT-4>

July 6–11, 2008, Zurich
10th International Conference on Quasicrystals, IGQ10

<http://icq10.ethz.ch>

Honors/Ehrungen

Michael E. Herbig, PhD student in Prof. H. Merkle's group at the Institute of Pharmaceutical Sciences, ETH Zurich, received the GSIA Prize for an Exceptional PhD Thesis for his dissertation titled 'Biophysical Studies on the Interaction of Cell-Penetrating Peptides with Model Membranes'. This prize is donated by the Schweizerische Gesellschaft der industriellen Pharmazeuten.

Prof. **Marco Mazzotti**, Institut für Verfahrenstechnik, ETH Zurich, was elected as the vice president of the International Adsorption Society (IAS), a worldwide society headed by leading scientists in this field.

Prof. **Nicolas Spencer**, Department of Material Science, was appointed to be Fellow of the Royal Chemical Society (FRSC) in recognition of his trend-setting work in chemistry. He is the

second ETH professor to receive this honor after Prof. Paul Smith in 2004.

Prof. **Artem R. Oganov**, Laboratory of Crystallography, ETH Zurich, received the 2007 University Latsis Prize for his research in the field of crystal structure prediction and for the discovery of major earth-forming minerals.

Prof. **Dieter Seebach**, Laboratory of Organic Chemistry, ETH Zurich, was elected to be Foreign Associate of the National Academy of Sciences (USA). He also will be at Harvard University as guest professor throughout the fall term 2007, substituting Prof. David A. Evans in the lecture Chem 206, Advanced Organic Chemistry.

Lectures

Departement Chemie der Universität Basel Anorganische und Organische Chemie

Departement Chemie, Universität Basel, Kleiner Hörsaal,
 St. Johannis-Ring 19, Basel
 17.30 Uhr

2.10.2007 Prof. Dr. *M. J. Krische*
 Dienstag University of Texas at Austin, USA
 'Formation of C–C Bonds via Catalytic Hydrogenation'

3.10.2007 Prof. Dr. *Christina White*
 Mittwoch University of Illinois, Urbana-Champaign,
 USA
 Streamlining Synthesis via C-H Oxidation

11.10.2007 Prof. Dr. *Janet Morrow*
 Donnerstag University of Buffalo, State University of New
 York, USA
 Title to be announced

12.10.2007 Dr. *Henri Doucet*
 Freitag Université d'Aix-Marseille III Paul Cézanne,
 France
 'Ligand Influence on Palladium-Catalyzed Coupling Reactions'

19.10.2007 Prof. Dr. *Irina Beletskaya*
 Lomonosov Moscow State University, Russland
 'New Trends in Transition Metal Catalyzed Reactions'

Departement Chemie der Universität Basel Physikalische Chemie

Kleiner Hörsaal, Raum 4.04, 2. Stock. Klingelbergstr. 80, Basel
 Mittwochs, 16.30 Uhr

26.9.2007 Prof. Dr. *J.-L. Martin*
 Laboratory for Optics and Bioscience, Ecole Polytechnique, Palaiseau, France

- 3.10.2007 'Functional Dynamics in Proteins by Femto-second Spectroscopies'
Dr. *M. Tulej*
General Energy Department, Molecular Dynamics Groups, Paul Scherrer Institut, Villingen, Schweiz
'Spectroscopy and Reaction Dynamics of Transient Molecules Relevant to Combustion and Atmospheric Chemistry'

Departement Pharmazeutische Wissenschaften der Universität Basel

University of Basel, Pharmazentrum, Lecture Hall 2, Klingelbergstrasse 50, Basel
Mittwochs, 17.15 Uhr

- 26.9.2007 Dr. *Frank Dekker*
Max-Planck Institute of Molecular Physiology, Dortmund, Germany
'Tetrahydrolipstatin and Protein Structure Similarity Clustering (PSSC) as Inspiration Source for Compound Library Design'
- 3.10.2007 Dr. *Andrej Trampuz*
University Hospital Basel
'Implant-associated Infections: How Can Antibiotics Eradicate Biofilms?'
- 10.10.2007 Prof. Dr. *Joke Bouwstra*
Leiden University, Netherlands
'Dermal and Transdermal Drug Delivery'
- 24.10.2007 Dr. *Thomas Wilckens*
InnVentis, Munich, Germany
'Hydroxysteroid Dehydrogenases: Rediscovering Steroid Hormone Actions in Drug Development'
- 31.10.2007 Dr. *François Jenck*
Head CNS Pharmacol./Neurobiol., Actelion Pharmaceuticals Ltd
'Promotion of Sleep by Targeting the Orexin System in Rats, Dogs and Humans'

Institut de Chimie, Université de Neuchâtel

Petit Auditoire, Institut de chimie, Avenue de Bellevaux 51, Neuchâtel
Mercredi, 10.30 h

- 26.9.2007 Prof. *Katharina Fromm*
Université de Fribourg
'Agent Silver; With a Licence to Kill'
- 3.10.2007 Prof. *Yoshi Inoue*
Université d'Osaka, Japon
'Molecular Recognition in Chemistry and Biology as Viewed from the Enthalpy-Entropy Compensation'

- 10.10.2007 Dr. *Henri Doucet*
Université de Rennes I, France
'Suzuki, Sonogashira or Negishi Coupling Reactions, Scope and Limitations'
- 11.10.2007 Dr. *Henri Doucet*
Jeudi
Université de Rennes I, France
'Heck Vinylations, a Versatile Reaction'
- 17.10.2007 Prof. *Irina Beletskaya*
Lomonosov Moscow State University, Russia
'Transition Metal Catalyzed Carbon-Heteroatom Bond Formation'

Center of Excellence in Analytical Chemistry at ETH Zürich

Hörsaal CAB G51, ETH Zentrum, 8092 Zürich
Donnerstags, 17.15 Uhr

- 27.9.2007 Prof. Dr. *Janos Vörös*
Lab. of Biosensors and Bioelectronics, ETH Zürich
'Nanobiotechnology Based Analytical Approaches: Self-Assembling Microarrays, Nanowires and Nanoparticles as Biosensors'
- 18.10.2007 Prof. *Yury O. Tsybin*
Biomolecular Mass Spectrometry Lab., EPFL, Lausanne
'Electron Capture/Transfer Dissociation Mass Spectrometry: a Swiss Army Knife for Peptide and Protein Structure Analysis'

Laboratorium für Organische Chemie der ETH Zürich

Hörsaal HCI J3, ETH Hönggerberg, 8093 Zürich
Montags, 16.30 Uhr. Gäste sind willkommen

- 24.9.2007 Prof. Dr. *Biao Yu*
Chinese Academy of Sciences, Shanghai, P.R. China
'Plant Saponins: Chemical Synthesis & Antitumor Activities'
- 8.10.2007 Prof. Dr. *Nenad Ban*
ETH Zürich
'Structural Basis of Iterative Fatty Acid Synthesis Catalyzed by Giant Multienzyme Complexes'
- 15.10.2007 Prof. Dr. *Christopher A. Hunter*
The University of Sheffield, UK
'Fundamentals of Molecular Recognition'
- 22.10.2007 Dr. *Roger Snowden*
Firmenich SA, Geneva
'Cetalox® and Analogues: Synthesis via Acid-Mediated Polyene Cyclisations'

29.10.2007 Prof. Dr. *Scott E. Denmark*
University of Illinois, USA
'Asymmetric Catalysis in Main Group
Chemistry: A New Frontier?'
**Prelog-Vorlesung und Verleihung der Prelog-
Medaille**

**Anorganisch-chemisches Institut der Universität
Zürich**

Hörsaal 34F48, Winterthurerstr.190, Zürich Irchel
Freitags, 17.00 Uhr

21.9.2007 Prof. Dr. *Florian Mertens*
Institut für Physikalische Chemie,
TU Bergakademie Freiberg
'Areas of Stability of the Inorganic Building
Blocks of Carboxylate Based Metal Organic
Frameworks'

28.9.2007 Prof. *W. Schaffner*
Molekularbiologisches Institut, Universität
Zürich
'Copper, Zinc and Cadmium Handling by
Higher Organisms: From *Drosophila* to
Humans'

5.10.2007 Prof. *J. R. Morrow*
University at Buffalo, The State University of
New York, US
'Lanthanide Ion-mediated Recognition and
Cleavage of Nucleic Acids'

19.10.2007 Prof. *O. Wenger*
Institute of Inorganic Chemistry, University of
Geneva
'Electron Tunnelling over Long Distances'

Organisch-chemisches Institut der Universität Zürich

Hörsaal 91, Winterthurerstr. 190, Zürich Irchel
Dienstags, 17.15 Uhr

25.9.2007 Prof. *Maurizio Pellecchia*
Burnham Institute for Medical Research, La
Jolla, California, USA
'NMR and Structure-based Approaches to
Inhibitors Design'

2.10.2007 Prof. *W.-D. Woggon*
Department of Chemistry, University of Basel
'Lessons from Enzymes and Enzyme Models'

9.10.2007 Dr. *Torsten Hoffman*
Vice Director, Head Discovery Chemistry,
F. Hoffmann-La Roche Ltd., Basel
'The Modern Drug Discovery Process'

16.10.2007 Prof. *Josef Michel*
Department of Chemistry and Biochemistry,
University of Colorado, Boulder, USA
'Artificial Surface-Mounted Molecular Rotors'

23.10.2007 Prof. *Oliver Seitz*
Fachinstitut für Organische und Bioorga-
nische Chemie, Humboldt-Universität, Berlin,
Germany
'Chemical Control of Biomolecular Inter-
actions – From Molecular Diagnostics to
Synthetic Biology'

30.10.2007 Prof. *Magnus Rueping*
Institute of Organic Chemistry & Chemical
Biology, Johann Wolfgang Goethe-University,
Frankfurt, Germany
'New Developments in Enantioselective
Broensted Acid Catalysis – Chiral Ion Pair
Catalysis and Beyond'