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Chemistry

Platform of the Swiss Academy of Sciences

## New President of the «Platform Chemistry»

Barbara Winter-Werner\*

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The Executive Board of SCNAT has elected **Karl Gademann** as the new president of the «Platform Chemistry» from January 1st, 2010. Karl Gademann has been a member of the Board of the «Platform Chemistry» since 2007 and succeeds *Peter Kündig*, who held the presidency of the platform from 2007 to 2009. Peter Kündig will continue to serve in the Board of the «Platform Chemistry».

*Beat H. Meier* has resigned as member of the Board by the end of 2009, as well as *Georg Fräter*, who concluded his *ex-officio* representation as President of the Swiss Chemical Society by mid-February 2010.

We would like to thank Peter Kündig for his dedication over the last three years as the first president of the «Platform Chemistry». His great commitment enabled the «Platform Chemistry» to be set-up as the umbrella organization for the chemical sciences in Switzerland. Furthermore we would also like to thank Georg Fräter and Beat Meier for their work on the Board of the platform.



Prof. Dr. **Karl Gademann** (1972) was educated at ETH Zürich and Harvard University (PhD with Prof. Dr. Dieter Seebach, postdoctoral studies with Prof. Dr. Eric N. Jacobsen, Habilitation associated with Prof. Dr. Erick M. Carreira). After four years as assistant professor at the EPFL Lausanne (2006–2010), he moved

to the University of Basel this year. Karl Gademann has published over sixty publications, holds two patents and has received several internationally renowned awards including the 2009 Ruzicka Prize, the Schläfli award of the Swiss Academy of Sciences, and the prestigious European Young Investigator award. His research group works on the chemistry and biology of natural products.

Additional information about the «Platform Chemistry» and its activities may be found at [www.chemistry.scnat.ch](http://www.chemistry.scnat.ch)

# CH Information

News – Honors – Workshops – Conferences – Lectures

## LECTURES

### Berner Chemische Gesellschaft

Hörsaal EG 16, Departement für Chemie und Biochemie,  
Freiestrasse 3, CH-3012 Bern  
Mittwochs, 16.30 h  
Kaffee um 16.10 Uhr vor dem Hörsaal

14.4.2010 Prof. Dr. *Helmut Cölfen*  
Max-Planck-Institut, Göttingen, D  
'Bio- and Biomimetic Mineralization'

28.4.2010 Heilbronner-Hückel Lecture  
Prof. Dr. *Jürgen Troe*  
Max-Planck-Institut, Göttingen, D  
'Von Elektronen, Molekülen, Ionen und  
ihren Reaktionen'

### Departement Chemie der Universität Basel Anorganische und Organische Chemie

Departement Chemie, Universität Basel, kleiner Hörsaal,  
Organische Chemie, St. Johannis-Ring 19, CH-4056 Basel

Freitag, 9.4.2010 OC-Seminar  
Dr. *Daniel Werz*  
Freitag  
10.45 h Universität Göttingen, D  
'Modification of Carbohydrates: From  
Three-Membered Ring Chemistry to Pd-  
Mediated Reactions'

12.4.2010 AC-Seminar  
Prof. Dr. *Xile Hu*  
Montag  
10.45 h EPFL Lausanne  
'Molecular Catalysts Based on Earth-Abundant  
Elements: From Cross Coupling to  
Hydrogenase Mimic'

16.4.2010 Prof. Dr. *Janssen*  
Freitag  
10.45 h Title to be announced

22.4.2010 Vortrag der Basler Chemischen Gesellschaft  
Donnerstag  
17.30 h Prof. Dr. *Gisela Lück*  
Universität Bielefeld, D  
'Natural Science Education in Pre-school  
and Elementary School'

26.4.2010  
Montag  
14.15 h

Heilbronner-Hückel Lecture  
Prof. Dr. *Jürgen Troe*  
Max-Planck-Institut, Göttingen, D  
'About Free Electrons, Molecules, Ions and  
Processes Between Them'

26.4.2010  
Montag  
17.30 h

3ème cycle  
Prof. Dr. *Tohru Yamada*  
Keio University, Yokohama, Japan  
'Redesign of Enantioselective Borohydride  
Reductions Catalyzed by Optically Active  
Cobalt Complexes'

### Departement Pharmazeutische Wissenschaften der Universität Basel

Lecture Hall 1, Pharmazentrum, Klingelbergstrasse 50,  
CH-4056 Basel  
Mittwochs, 17.00 h

7.4.2010 Prof. Dr. *Stefano Moro*  
Molecular Modeling Section, University of  
Padova, I  
'A Guided Tour into GPCRs Drug Design  
Approaches: The Human A3 Adenosine  
Receptor as a Key Study'

14.4.2010 Prof. *Christian Heinis*  
Ecole Polytechnique Federale de Lausanne  
(EPFL)  
'Generation of Large Combinatorial  
Macrocyclic Libraries and Isolation of  
Specific Inhibitors to Disease Relevant  
Serine Proteases'

21.4.2010 Prof. *Angelo Benedetti*  
University of Siena, I  
'Sugars and Hormonal Regulation:  
Relevance for Metabolic Disease'

28.4.2010 Prof. *Luca Scorrano*  
University of Geneva  
'Size Matters! Mitochondrial Shape  
Changes in the Control of Cell Fate'

### Departement Chemie und Biochemie der Universität Bern, Biochemie

Universität Bern, Hörsaal S 481, Freiestrasse 3, CH-3012 Bern  
Montags, 16.30 h

12.4.2010 Prof. *Laurence Maréchal-Drouard*  
Institut de Biologie Moléculaire des Plantes,

UPR 2357 du CNRS, Strasbourg, F  
 'Development of a New Tool to Address  
 Nucleic Acids into Mitochondria: What Can  
 we Learn, What Can we Expect'

26.4.2010

Dr. *Olivier Jean-Jean*  
 UPMC Paris, F  
 'Eukaryotic Release Factors in Translation  
 Termination and Beyond'

**Departement für Chemie und Biochemie der  
 Universität Bern  
 Anorganische, Analytische und Physikalische Chemie**

Universität Bern, Hörsaal S481, Freiestrasse 3, CH-3012 Bern  
 Donnerstag, 11.15 h

22.4.2010

Prof. Dr. *Paolo Ruggerone*  
 Sardinian Lab. for Computational Materials  
 Science, Dept. of Physics, University of  
 Cagliari, I  
 'Bacterial Resistance under the Eyes of  
 Computational Physics'

**Département de Chimie organique, Université de  
 Genève**

Auditoire A-100, Sciences II, Quai Ernest-Ansermet 30,  
 Genève, Jeudi, 16.30 h

15.4.2010

Dr. *Hermann Wegner*  
 Department of Chemistry, University of  
 Basel  
 'Aromatic Chemistry with a Pinch of N<sub>2</sub>'

22.4.2010

Prof. *Ken Suslick*  
 Department of Chemistry, University of  
 Illinois, USA  
 'The Chemical Effects of Ultrasound'

**Institut de Chimie, Université de Neuchâtel**

Belleveaux 51, 3ème Étage, salle GE14, Neuchâtel  
 Mercredi, 10.30 h

21.4.2010

Prof. *Kenneth Suslik*  
 Department of Chemistry, University of  
 Illinois, USA  
 'Colorimetric Sensor Arrays for Chemical  
 Sensing'

28.4.2010

Prof. *Tohru Yamada*  
 Keio University Yokohama, Japan  
 'Silver-Catalyzed Incorporation Reactions of  
 Carbon Dioxide into Propargylic Alcohols'

**Section de Chimie et Génie Chimique, EPFL**

EPF Lausanne, Bât. BCH, CH-1015 Lausanne, salle CE2,  
 Jeudi, 16.15 h

29.4.2010

Heilbronner-Hückel Lecture  
 Prof. Dr. *Jürgen Troe*  
 Max-Planck-Institut, Göttingen, D  
 'Understanding the Key Reactions of  
 Combustion'

**Competence Center for Computational Chemistry C4  
 ETH Zürich/University of Zurich/IBM Research**

Auditorium HCI J7, ETH Hönggerberg  
 Thursday, 13.00

8.4.2010

*Celia Schiffer*  
 University of Massachusetts Medical  
 School, Worcester, USA  
 'Combating Drug Resistance: Lessons from  
 HIV Protease'

15.4.2010

*Giuseppe Milano*  
 University of Salerno, Salerno, I  
 'Soft Matter Simulations: Atoms, Beads,  
 Fields'

29. 4. 2010

*Daniel Crawford*  
 Virginia Tech, Blacksburg, USA  
 'On One Hand, But Not the Other: *Ab Initio*  
 Computations of the Properties of Chiral  
 Molecules'

**Institut für Chemie- und Bioingenieurwissenschaften  
 (ICB) ETHZ**

Campus Science City, Hönggerberg, HCI H 2

12.4.2010

Montag  
 10.30 h  
 Dr. *Roman Ashauer*  
 Eawag, Dübendorf  
 'Toxicokinetic-toxicodynamic Models for  
 Ecotoxicology and Risk Assessment'

15.4.2010

Donnerstag  
 15.00 h  
 Single-site  
 Catalysts'  
 Room TBA  
 Prof. Dr. *Helmut Schwarz*  
 TU Berlin, D  
 'Gas-phase Catalysis by Atomic and Cluster  
 Metal Ions: The Ultimate

26.4.2010

Montag  
 10.30 h  
 Dr. *Murray Height*  
 HeiQ Materials, Bad Zurzach  
 'Nanosilver: History vs Hysteria'

### Institut Pharmazeutische Wissenschaften der ETH Zürich

ETH Zürich, Hönggerberg, HCI J 3  
Mittwochs, 17.15 h

14.4.2010 Dr. *Ronald G. Blasberg*  
Memorial Sloan Kettering Cancer Center,  
New York, USA  
'Molecular-genetic Imaging: The TGF-beta  
and Hedgehog Pathways'

21.4.2010 PD Dr. *Thomas Pabst*  
Inselspital Bern  
'The Myeloid Key Transcription Factor  
CEBPA and its Dereglulation in Human  
Acute Myeloid Leukemia (AML)'

28.4.2010 PD Dr. *Thomas Kündig*  
Universitätsspital Zürich  
'Targeting the Immune System in Mice and  
Humans'

### Laboratorium für Organische Chemie der ETH Zürich

ETH Zürich, Hönggerberg, HCI J 3  
Montags, 16.30 h  
Anschliessender Apéro, Gäste sind willkommen

26.4.2010 Prof. Dr. *Nicolas Winssinger*  
Inst. de Science et Ingénierie Supramolé-  
culaires (ISIS), Université Louis Pasteur,  
Strasbourg, F  
'Translating Instructions into Function by  
Self Assembly'

### Laboratorium für Physikalische Chemie der ETH Zürich

ETH Zürich, Hönggerberg, HCI J 3  
Dienstags, 16.45 h  
Gäste sind herzlich willkommen.

13.4.2010 Dr. *Sebastian Hiller*  
Laboratorium für Physikalische Chemie,  
ETH Zürich  
'Structure and Function of the Large  
Membrane Protein VDAC by Solution  
NMR'

20.4.2010 Dr. *Edit Mátyus*  
Laboratorium für Physikalische Chemie,  
ETH Zürich  
'Black-box-type Variational Approaches to  
the Quantum Nuclear Motion Problem'

27.4.2010 Heilbonner-Hückel Lecture  
Prof. Dr. *Jürgen Troe*  
Institut für Physikalische Chemie,  
Universität Göttingen und Max-Plank-  
Institut D  
'Zum Verständnis der Schlüsselreaktionen  
von Verbrennungsvorgängen'

### Organisch-chemisches Institut der Universität Zürich

Lecture Hall Y35-F-32, Winterthurerstrasse 190, Universität  
Zürich-Irchel  
Dienstags, 17.15 h

13.4.2010 Prof. *Thomas Carell*  
Fakultät für Chemie und Pharmazie, Lud-  
wig-Maximilians-Universität, München, D  
'The Chemistry of Genome Maintenance'

20.4.2010 Prof. *Guillerom Bazan*  
Department of Chemistry and Biochemistry,  
University of California, Santa Barbara,  
USA  
Title to be announced

27.4.2010 Prof. *Ian S. Blagbrough*  
Department of Pharmacy and Pharmacology,  
University of Bath, UK  
Title to be announced

### Novartis Chemistry Lectureship

Horburg Auditorium, WKL-430.320, Müllheimerstrasse 195,  
CH-4057 Basel  
Mittwochs, 10.30 h

14.4.2010 Prof. *Mohammad Movassaghi*  
Massachusetts Institute of Technology,  
Cambridge, USA  
'Complex Alkaloid Total Synthesis'