



## Information

News – Honors – Workshops – Conferences – Lectures

### NEWS

The ETH board appointed Professor **Ruth Signorell** (\*1969), currently Professor at the University of British Columbia in Vancouver, Canada, as Full Professor of Physical Chemistry. Ruth Signorell earned her doctorate from ETH Zurich in 1999. She is a pioneering scientist in the area of aerosol chemistry and physics. Her scientific investigations have made a substantial contribution to our understanding of the formation mechanisms, structure and dynamics of these aggregates, and provide a foundation for all sorts of different scientific applications. She is considered a global leader in spectroscopic investigations of molecular aggregates of between 1 and 100 nanometres in size.

**Roche** extended its \$5.7 billion cash bid for U.S. gene decoder Illumina for a second time. Roche is offering \$44.50 per share for Illumina, but analysts expect the company ultimately to raise its offer for the San Diego-based group. Illumina makes machines that decode a person's entire genome and would give Roche a leading position in the market for gene sequencing, which can help better identify which patients benefit from a given drug.

**Clariant** will launch three new lines of vegetal-based biopolymers under the theme 'Touch of Nature' at the upcoming in-cosmetics show in Barcelona. The natural-based products are extracted from fungal sources and can be applied as active ingredients and sensory boosters in skin and hair care. The three product lines already are in commercial trials with customers. Early reports suggest that, besides offering a top-drawer environmental profile, the vegetal biopolymers also outperform synthetic and animal-based products on sensorial properties.

Der Basler Life-Science-Konzern **Lonza** hat mit der koreanischen LegoChem Biosciences ein Entwicklungs- und Produktionsabkommen abgeschlossen. In dessen Rahmen soll Lonza die Produktion eines monoklonalen Antikörpers für präklinische Studien übernehmen. Das klinische Material wird am Standort in Cambridge (UK) hergestellt, wie Lonza mitteilte.

### CONFERENCES/WORKSHOPS/SYMPOSIA

#### More drive for the ERA – What science needs to flourish and deliver

«Strengthening the European Research Area – What does science need to flourish?»

May 3–4, 2012; Barcelona, Spain

<http://www.i-se.org/conference.html>

#### Computational Chemical Genomics to understand System Biology and Computational Medicinal Chemistry

The workshop, organized and chaired by William H. Bisson and Leonardo Scapozza, will have the privilege of having internationally recognized speakers and leaders attending from both academia and industry.

May 14–16, 2012; University of Geneva

<http://www.unige.ch/sciences/pharm/pb/events/>

#### Biology and Pathology of the Malaria Parasite (EMBL Conference Series)

EVIMalaR is a new malaria research network that whilst distinct from BioMalPar seeks to continue some of the best BioMalPar initiatives, this meeting being one.

May 14–16, 2012; Heidelberg, Germany

<http://www.embl.de/training/events/2012/BMP12-01>

#### New Perspectives on Immunity to Infection (EMBL Conference Series)

This symposium will discuss new developments and approaches for overcoming critical gaps in our understanding of the pathogenesis of infectious diseases and immunity to infection.

May 19–22, 2012; Heidelberg, Germany

<http://www.embo-embl-symposia.org/symposia/2012/EES12-01>

#### The Swiss NanoConvention 2012

The Swiss NanoConvention 2012 will bring together Swiss and international leaders from science and industry in the field of «nano», key figures in innovation and technology, entrepreneurs, investors, administrators and politicians.

May 22–24, 2012; Lausanne, Switzerland

<http://www.swissnanoconvention.ch>

#### Microtubules: Structure, Regulation and Functions (EMBL Conference Series)

The microtubule cytoskeleton exerts a wide variety of essential functions in all eukaryotic cells.

May 23–26, 2012; Heidelberg, Germany

<http://www.embl.de/training/events/2012/MSF12-01/>

#### GECOM-CONCOORD

Congrès de Chimie de Coordination, Chimie Organométallique et Catalyse

June 3–8, 2012; Métabief, Franche-Comté, France

<http://gecom2012.u-bourgogne.fr/>

#### 1st International Young Chemists Symposium

Symposium zur Förderung der internationalen Zusammenarbeit

June 4–6, 2012; Graz, Austria

<http://www.graz-symposium.eu>

#### Young Faculty Meeting 2012

The «Platform Chemistry» of the Swiss Academy of Sciences (SCNAT) invites young professors and group leaders in Chemistry within the first 10 years of their independent career.

June 6, 2012; University of Berne, Switzerland

<http://www.scg.ch/events/event.cfm?ID=326>

#### C.elegans Neurobiology (EMBL Conference Series)

Research on *C.elegans* plays an influential role across biology and has been at the forefront of genetics.

June 14–17, 2012; Heidelberg, Germany

<http://www.embl.de/training/events/2012/ECE12-01/i>

**16th International Meeting on Lithium Batteries**

The IMLB has been held biannually since 1982 as a scientific meeting in the field of lithium batteries for energy storage and conversion.

June 17–22, 2012; Jeju Island, Korea

<http://www.imlb2012.org>

**Particle Separation Conference**

Advances in Particle Separation – Science, Technology, Practice

June 18–20, 2012; Berlin, Germany

<http://www.particle-sep2012.de>

**13th Tetrahedron Symposium**

Challenges in Bioorganic & Organic Medicinal Chemistry

June 26–29, 2012; Amsterdam, The Netherlands

<http://www.tetrahedron-symposium.elsevier.com>

**LECTURES****Société Fribourgeoise de Chimie (SFC)  
Freiburger Chemische Gesellschaft (FCG)**

Main auditorium, Chemistry Department, chemin du Musée 9, Fribourg

Tuesday, 17.15 h. Coffee and tea will be served in front of the auditorium 30 minutes before the lecture

22.5.2012

Prof. *Paul Tordo*  
Université d'Aix-Marseille, F  
Title to be announced

**Société Chimique de Genève**

Auditoire A100, Université de Genève, Sciences II, Quai E. Ansermet 30, Genève

Lundi, 17.30 h

21.5.2012

Dr. *Didier Roux*  
Groupe Saint-Gobain  
'L'habitat du futur: défis et innovations'

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

Kleiner Hörsaal Organische Chemie, Departement Chemie, Universität Basel, St. Johannis-Ring 19, CH-4056 Basel  
Freitags, 10.45 h

27.4.2012

Prof. Dr. *Eric Meggers*  
Philipps-Universität Marburg,  
Marburg, D  
'Biomedical research with organometallics'

4.5.2012

Prof. Dr. *Roger Goody*  
Max-Planck-Institut für molekulare  
Physiologie, Dortmund, D  
Title to be announced

10.5.2012

Donnerstag  
17.30 h

Basler Chemische Gesellschaft  
Prof. Dr. *Mark A. Johnson*  
Yale University, New Haven, USA  
'Unraveling catalytic processes  
with cryogenic ion spectroscopy'

18.5.2012

Prof. Dr. *Patrick Holland*  
Department of Chemistry,  
University of Rochester, NY, USA  
'Understanding the mechanism  
of nitrogen fixation using low-  
coordinate iron complexes'

**Departement Chemie der Universität Basel  
Physikalische Chemie**

Kleiner Hörsaal Raum 4.04, 2. Stock, Klingelbergstr. 80, Basel

27.4.2012

Freitag  
11.15 h

Dr. *M. Costes*  
Institut des Sciences Moleculaires,  
Université Bordeaux 1, France  
'Crossed-beam scattering  
experiments at collision energies  
approaching the cold regime'

9.5.2012

Mittwoch  
16.30 h

Prof. Dr. *T. P. Softley*  
Department of Chemistry,  
University of Oxford, UK  
'Cool Chemistry with Decelerated  
Atoms and Molecules'

16.5.2012

Mittwoch  
16.30 h

Prof. Dr. *K. Burke*  
School of Physical Sciences,  
University of California, USA  
'Electronic Excitations and Time-  
dependent DFT'

23.5.2012

Mittwoch  
16.30 h

Prof. Dr. *T. Pompe*  
Institute of Biochemistry,  
University of Leipzig, D  
'Substrate-Ligand Friction Controls  
Traction Force in Cell Adhesion'

29.5.2012

Dienstag  
16.30 h

Prof. Dr. *J.M.J. Fréchet*  
Dept Chemical & Biomolecular  
Engineering, University of  
California, Berkeley, USA  
'Polymers as Carriers for  
Immunotherapy'

30.5.2012

Mittwoch  
16.30 h

Prof. Dr. *E. Vauthey*  
Department of Chemistry,  
University of Geneva  
'Ultrafast Excited-state Dynamics  
of Multichromophoric Systems:  
From DNA Sensing to Artificial  
Photosynthesis'

**Departement Pharmazeutische Wissenschaften  
der Universität Basel**

Lecture Hall 1, Pharmazentrum, Klingelbergstrasse 50,  
CH-4056 Basel

Mittwochs, 17.00 h

25.4.2012

Prof. *Thomas Brunner*  
Biochemical Pharmacology,  
University of Konstanz, D  
'Extra-adrenal glucocorticoid  
synthesis in mucosal tissues:  
implications for inflammation and  
tumor development'

- 2.5.2012 Prof. *Torsten Schwede*  
Biozentrum, Bioinformatik,  
Universität Basel  
'Homology Modeling for Drug  
Design Applications'
- 9.5.2012 Prof. *Hans-Uwe Simon*  
Institut für Pharmakologie,  
Universität Bern  
'Autophagy in tumorigenesis and  
anticancer drug treatment'
- 23.5.2012 Dr. *Beate Bittner*  
Lifecycle Partner GmbH  
'Subcutaneous antibody-  
formulations in oncology'
- 30.5.2012 Dr. *Evelin Tiralongo* and Dr. *Joe  
Tiralongo*  
School of Pharmacy, Griffith  
University, Gold Coast Campus,  
Australia  
'Utilising Natural Sources for Drug  
Discovery and Utilising Glycomics  
Research in Drug Discovery'
- Departement für Chemie und Biochemie  
der Universität Bern**  
**Anorganische, Analytische und Physikalische  
Chemie**  
Hörsaal S481, Freiestrasse 3, CH-3012 Bern  
Donnerstags, 11.15 Uhr
- 26.4.2012 Prof. Dr. *Paul J. Chirik*  
Department of Chemistry,  
Princeton University, USA  
'Dinitrogen functionalization with  
early transition metals'
- 3.5.2012 Prof. Dr. *Jürg Osterwalder*  
Physik-Institut, Universität Zürich  
'Molecular monolayers on well  
defined surfaces: structure, bonding  
and dynamics'
- 10.5.2012 Prof. Dr. *Kieron Burke*  
School of Physical Sciences,  
University of California, USA  
'Can machines find density  
functionals?'
- Université de Fribourg, Département de Chimie**  
Main auditorium, Chemistry Department, chemin du Musée 9,  
Fribourg  
Tuesday, 17.15 h. Coffee and tea will be served in front  
of the auditorium 30 minutes before the lecture
- 8.5.2012 Prof. *Corey Stephenson*  
Boston University, USA  
'Photoredox catalysis: Enabling  
chemical synthesis with visible  
light'
- Département de Chimie organique, Université  
de Genève**  
Auditoire A-100, Sciences II, Quai Ernest-Ansermet 30,  
Genève
- 26.4.2012 Dr. *Renate Reiter*  
Jeudi  
University of Freiburg, D  
14.00 h  
'Langmuir Films of Poly-Gamma-  
Benzyl-L-Glutamates – a System  
Auditoire A-300  
Capable of Liquid Crystal-, Fibril-  
and Gel-Formation'
- 27.4.2012 Prof. *Shu Kobayashi*  
Vendredi  
The University of Tokyo, Japan  
16.30 h  
Title to be announced
- 7.5.2012 Prof. *Corey Stephenson*  
Lundi  
Boston University, USA  
16.30 h  
'Photoredox Catalysis: Enabling  
Chemical Synthesis with Visible  
Light'
- 10.5.2012 Dr. *Jose Lassaletta*  
Jeudi  
University of Sevilla, Spain  
16.30 h  
Title to be announced
- 18.5.2012 Prof. *Yitzhak Tor*  
Vendredi  
University of California, USA  
16.30 h  
'From Antibiotics to Cellular  
Delivery Vehicles'
- Institut des Sciences et Ingénierie Chimiques,  
EPFL Lausanne**  
BCH 2218 (Batiment Chimie UNIL), EPFL,  
CH-1015 Lausanne  
Mercredi, 17.15 h
- 25.4.2012 Prof. *Berhard Breit*  
University of Freiburg, D  
Title to be announced
- 16.5.2012 Prof. *P. Andrew Evans*  
University of Liverpool, UK  
Title to be announced
- 22.5.2012 Prof. *Louis Fensterbank*  
Mardi  
Université Pierre et Marie Curie, F  
'New Radical and Organometallic  
Methodologies for Organic  
Synthesis'
- Institut für Chemie- und Bioingenieurwissenschaften  
(ICB) ETHZ**  
HCI H 2, ETH Campus Science City (Hönggerberg),  
Wolfgang-Pauli-Str. 10, CH-8093 Zürich  
Montags, 10.30 h
- 30.4.2012 Dr. *Jerome Labille*  
CEREGE, Aix-en-Provence, F  
'Fate of manufactured  
nanoparticles in aqueous  
environment. Example of Nano-  
TiO<sub>2</sub> in a lifecycle perspective'

7.5.2012 Dr. *Jane Muncke*  
Emhart Glass, Cham  
'Food packaging: a relevant source for human exposure to endocrine disrupting chemicals'

14.5.2012 Prof. *Antonis Kokossis*  
National Technical University of Athens, Greece  
'Renewable energies: the biorefinery concept'

**Institut Pharmazeutische Wissenschaften der ETH Zürich**

HCI J 4, ETH Zürich, Campus Science City (Hönggerberg), Wolfgang-Pauli-Str. 10, CH-8093 Zürich  
Mittwochs, 17.15 h

25.4.2012 Prof. Dr. *Onur Boyman*  
Universitätsspital Zürich,  
Dermatologische Klinik  
'Cytokine immunotherapy'

Universität Zürich Irchel  
9.5.2012

Y17 M05 Prof. Dr. *Britta Engelhardt*  
Theodor Kocher Institut Bern  
'Capture Crawl Cross: The T cell code to breach the blood-brain barrier'

23.5.2012 Prof. Dr. *Matthias Hamburger*  
Universität Basel, Pharmazeutische Biologie  
'Targeted discovery of natural product leads from extract libraries'

30.5.2012 Prof. Dr. *Helma Wennemers*  
Organische Chemie, ETH Zürich  
'Functionalizable oligoprolines – from tumor targeting, cell penetrating peptides towards synthetic collagen'

**Laboratorium für Organische Chemie der ETH Zürich**

Hörsaal HCI J 3, ETH Campus Science City (Hönggerberg), CH-8093 Zürich  
Montags, 16.00 h, anschliessender Apéro,  
Gäste sind willkommen

7.5.2012 Prof. Dr. *Christian Hackenberger*  
Inst. für Chemie und Biochemie,  
Freie Universität Berlin, Berlin, D  
'Chemoselective Staudinger Reactions – Powerful Tools for Organic Synthesis and Chemical Biology'

14.5.2012 Prof. Dr. *Karen L. Wooley*  
Dept. of Chemistry, Texas A&M University, College Station, USA  
'Degradable Polymers: Derived from Polyhydroxyl Natural Products and/or Incorporated into Functional Nanoscopic Objects'

**Laboratorium für Physikalische Chemie der ETH Zürich**

HCI J 3, ETH Zürich, Campus Science City (Hönggerberg), Wolfgang-Pauli-Str. 10, CH-8093 Zürich  
Dienstags, 16.45 h, Gäste sind herzlich willkommen

8.5.2012 *Daniel Sprecher*  
Laboratorium für Physikalische Chemie, ETH Zürich  
'The Rydberg states of molecular hydrogen'

15.5.2012 *Matthias Huber*  
Laboratorium für Physikalische Chemie, ETH Zürich, Schweiz  
'Solid-State NMR for Structure Determination of Globular and Fibrillar Proteins'

22.5.2012 Prof. Dr. *Hans-Joachim Freund*  
Fritz Haber Institute of the Max Planck Society, Chemical Physics Berlin, D  
'Models in Catalysis: The Expected and the Unexpected'

29.5.2012 Prof. Dr. *Henry Chapman*  
Forschungszentrum DESY, Hamburg, D  
'Femtosecond protein nanocrystallography with an X-ray laser'

**Anorganisch-chemisches Institut der Universität Zürich**

Hörsaal 19, Winterthurerstr. 190, Universität Zürich-Irchel  
Freitags, 16.30 h

27.4.2012 Prof. Dr. *Lee Cronin*  
University of Glasgow, UK  
Title to be announced

4.5.2012 Prof. Dr. *Oliver Seitz*  
Humboldt Universität Berlin, D  
'DNA-instructed reactions and assemblies for the interrogation of biology'

11.5.2012 Prof. Dr. *John Valiant*  
McMaster University, Canada  
'Synthesis, High Efficiency Radiolabelling and Applications of New Main Group Ligands for Molecular Imaging and Therapy'

**Organisch-chemisches Institut der Universität Zürich**

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

- 8.5.2012 Prof. *Martin Schmidt*  
Institute for Inorganic and  
Analytical Chemistry, Johann  
Wolfgang Goethe Universität,  
Frankfurt, D  
Title to be announced
- 15.5.2012 Prof. *Yitzhak Tor*  
Department of Chemistry and  
Biochemistry, UC San Diego, USA  
'New Fluorescent Nucleosides for  
Studying RNA-based Processes'
- 22.5.2012 Prof. *Fred Naider*  
Chemistry and Biochemistry,  
College of Staten Island, CUNY  
'Peptides: Signals, Surrogates,  
Vaccines'
- 29.5.2012 Prof. *Jonathan Nitschke*  
Chemistry Department, University  
of Cambridge, UK  
'Designing complex self-assembled  
structures and functions from  
simple building blocks'

**Zürcher Hochschule für Angewandte Wissenschaften (ZHAW), Wädenswil****Institut für Chemie und Biologische Chemie (ICBC)**

Hörsaal RT 340, Campus Reidbach, Einsiedlerstr. 31,  
CH-8820 Wädenswil  
Montag, 11.50 h

- 30.4.2012 Prof. Dr. *Ralf Zimmermann*  
Lehrstuhl für Analytische Chemie  
und Leiter MS Zentrum Uni  
Rostock und Helmholtz Zentrum  
München, D  
'New concepts for on-line  
monitoring of complex gas  
mixtures using photo ionisation  
mass spectrometry'

**Novartis Chemistry Lectureship**

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

- 9.5.2012 Prof. *Daniel Kahne*  
Harvard University, Cambridge,  
USA  
'How does a cell make more of  
itself?'

**Syngenta Chemistry Lectures**

Syngenta Stein, R&D Research center, WST 810.E.75,  
Schaffhauserstrasse, CH-4332 Stein  
Thursdays, 10.00 h

- 19.4.2012 Prof. *Laurent Micouin*  
Université Paris Descartes, France  
Title to be announced
- 10.5.2012 Prof. *Dennis Dougherty*  
Caltech University, USA  
Title to be announced