



**SCG**  
Schweizerische  
Chemische  
Gesellschaft

**SSC**  
Société Suisse  
de Chimie

**SCS**  
Swiss Chemical  
Society

SCS DIVISIONS  
ANALYTICAL CHEMISTRY  
MEDICINAL CHEMISTRY  
CHEMICAL RESEARCH  
POLYMERS & COLLOIDS

SCG DIVISIONEN  
ANALYTISCHE CHEMIE  
MEDIZINISCHE CHEMIE  
CHEMISCHE FORSCHUNG  
POLYMERE UND KOLLOIDE

SSC DIVISIONS  
CHIMIE ANALYTIQUE  
CHIMIE MÉDICINALE  
RECHERCHE CHIMIQUE  
POLYMÈRES ET COLLOÏDES

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# Fall Meeting 2011 Herbstversammlung 2011 Assemblée d'automne 2011

Friday, September 9, 2011  
Freitag, 9. September 2011  
Vendredi, 9 septembre 2011

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**Ecole Polytechnique Fédérale de Lausanne  
Centre Est**

## Organizing Committee

MER Dr Sandrine Gerber (Chair) – EPF Lausanne  
 Prof. Karl-Heinz Altmann – ETH Zurich  
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Prof. Paul Dyson (Co-chair) – EPF Lausanne  
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 Prof. Markus Meuwly – University of Basel  
 Prof. Philippe Renaud – University of Bern  
 PD Dr. Stefan Schürch – University of Bern  
 Prof. Thomas Ward – University of Basel

## Secretariat

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## Information

**No registration for SCS members** is required to participate in the meeting, coffee breaks and lunch, all of which are free of charge.

**Non-members of the SCS** will be asked to pay a 50 CHF entrance fee, which will provide access to the conferences, poster sessions, coffee breaks and lunch.

**Lunch:** Sandwiches, pastries and drinks will be offered by the SCS in the vicinity of the poster session. A cafeteria and a restaurant are located next to the meeting venues.

**Coffee breaks:** Coffee and drinks will be available until 11.30 in the morning and a coffee break will be organized between 17.00 and 17.15, before the SCS – DSM and SCS – Metrohm Awards presentation.

## Transportation

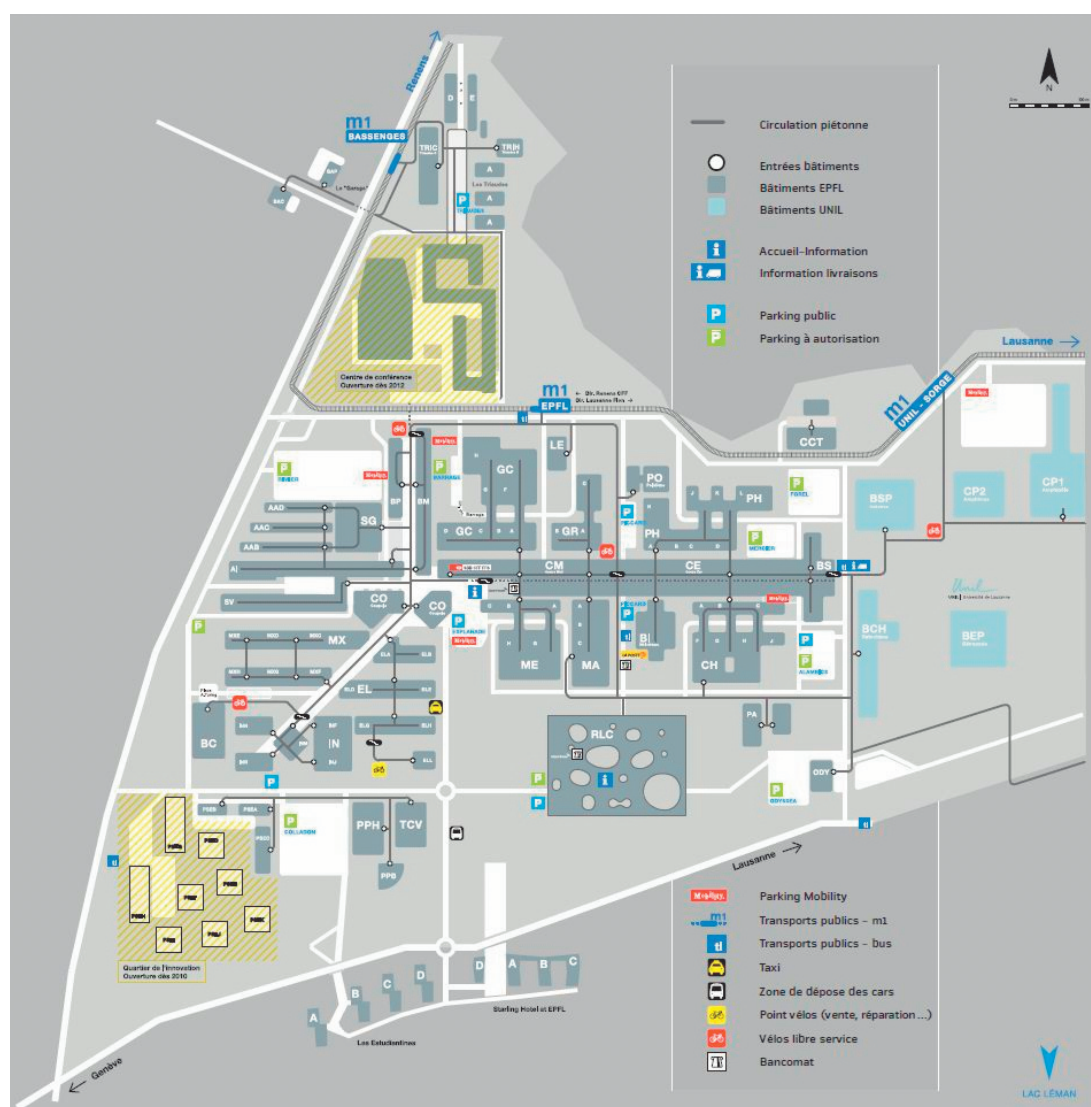
**By train:** Only limited parking space will be available on the campus of the Ecole Polytechnique Fédérale de Lausanne. Hence, traveling by train is recommended. EPFL campus can be easily reached by metro (tramway), either from Lausanne or Renens train stations. Travelers arriving at Lausanne can continue their journey with the metro (m2 line from the train station to Flon, m1 line from Flon to UNIL-Sorge). From Renens station, the trip by metro (m1 line) to *UNIL-Sorge* stop is 7 min. More information on how to get to EPFL campus, timetables and interactive maps are available on the webpage at <http://map.epfl.ch/>.

**By car:** On the motorway, follow Lausanne-Sud, exit at UNIL-EPFL, drive West for 1.7 km and then turn right at the sign EPFL. Limited space will be available at the parking of the building *Odyssea* (see EPFL campus map here below). One-day parking permits will be sold on the parking lot and at the registration desk for CHF 5.–.

## Train Timetable

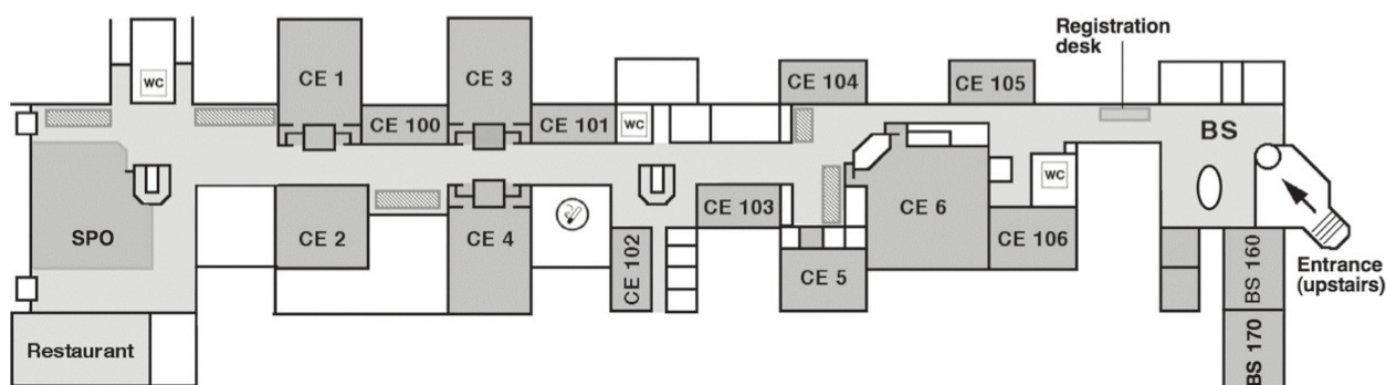
Morning			Evening				
Train from	Departure	Arrival Lausanne	Arrival Renens	Departure Renens	Departure Lausanne	Arrival	Train to
Basel	07.03	09.15	09.24	18.35	18.45	20.53	Basel
Bern	08.04	09.15	09.24	18.35	18.45	19.56	Bern
Fribourg	08.26	09.15	09.24	18.35	18.45	19.33	Fribourg
Geneva	08.36		09.24	18.28		19.11	Geneva
Neuchâtel	08.34	09.15	09.24	18.35	18.45	19.25	Neuchâtel
Zurich	07.04	09.15	09.24	18.35	18.45	20.56	Zurich

## EPFL Campus



The meeting will be held on the first floor of BS and CE buildings. **Participants are kindly requested to use exclusively the East entrance on the first floor of BS building.** The nearest tramway station is UNIL-Sorge (upper-right corner on the map). The way from the tramway station and from the parking lot to the entrance of the conference premises will be marked out with yellow signs.

## Detailed Map of Lecture Halls



**CE 6:** Opening Ceremony, Awards presentations, Plenary lectures, and Inorganic and Coordination Chemistry

**CE 1 and CE 3:** Organic Chemistry

**CE 4:** Physical Chemistry

**CE 2:** Analytical Chemistry

**CE 5:** Medicinal Chemistry

**CE 106:** Computational Chemistry

**BS 160:** Polymer Sciences

**Main Hall, SPO, CE 100, CE 101, CE 102, CE 103, CE 104, CE 105, BS 170:** Posters

## Sponsors

The organization of the meeting gratefully acknowledges the generous support of the following companies and institutions.

sc | nat 

Swiss Academy of Sciences  
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Accademia di scienze naturali  
Académie des sciences naturelles

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## Commercial Exhibition

A number of exhibitors will be presenting products and services of direct interest to the scientists attending the Fall Meeting. The following companies have already confirmed their participation. See the meeting website ([www.scg.ch/fallmeeting](http://www.scg.ch/fallmeeting)) for an updated list of commercial booths.

**IG Instrumenten-Gesellschaft AG** 

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## Program of the Fall Meeting 2011

### PLENARY SESSION

- 09.45–11.00** **Opening Ceremony**  
*EPFL, CE 6*  
**Opening address**  
*T. Rizzo*  
 Dean of the School of Basic Sciences
- Presentation of the Max Lüthi Award 2011**  
 Chair: *E. P. Kündig*
- Presentation of the Werner Prize 2011**  
 Chair: *E. P. Kündig*  
**Lecture of the Werner Prize Laureate 2011**  
*Xile Hu*  
 EPF Lausanne, Switzerland  
 'Ni-catalyzed cross coupling of alkyl halides and direct C-H alkylation'  
 Abstract P1
- Presentation of the Grammaticakis-Neumann Prize 2011**  
 Chair: *E. P. Kündig*  
**Lecture of the Grammaticakis-Neumann Prize Laureate 2011**  
*Marina K. Kuimova*  
 Imperial College London, UK  
 'Molecular rotors measure intracellular viscosity: a story with a twist'  
 Abstract P2

### PARALLEL SESSIONS

- 11.00–17.00** **Division of Analytical Chemistry**
- 11.00–11.30 **General Assembly of the Members**  
*EPFL, CE 2*
- 11.30–12.15 **Invited lecture**  
*EPFL, CE 2*
- 12.15–13.00 **Lectures**  
*EPFL, CE 2*  
 Abstracts AC1–AC3
- 13.00–14.30 **Poster Session**  
*EPFL, CE 100*  
 Abstracts AC10–AC56
- 14.30–15.00 **General Assembly of the Members of the Swiss Chemical Society**  
*EPFL, CE 6*
- 15.00–15.30 **Brechbühler lectures**  
*EPFL, CE 2*
- 15.30–17.00 **Lectures**  
*EPFL, CE 2*  
 Abstracts AC4–AC9
- 11.00–17.00** **Division of Medicinal Chemistry**
- 11.00–11.15 **General Assembly of the Members**  
*EPFL, CE 5*

- 11.15–11.45 **Actelion lecture**  
*EPFL, CE 5*
- 11.45–13.00 **Lectures**  
*EPFL, CE 5*  
 Abstracts MC1–MC5
- 13.00–14.30 **Poster Session**  
*EPFL, CE 103*  
 Abstracts MC14–MC65
- 14.30–15.00 **General Assembly of the Members of the Swiss Chemical Society**  
*EPFL, CE 6*
- 15.00–17.00 **Lectures**  
*EPFL, CE 5*  
 Abstracts MC6–MC13
- 11.00–17.00** **Division of Chemical Research**
- 11.00–11.30 **General Assembly of the Members**  
*EPFL, CE 6*
- 11.30–17.00** **Computational Chemistry**
- 11.30–13.00 **Lectures**  
*EPFL, CE 106*  
 Abstracts CC1–CC6
- 13.00–14.30 **Poster Session**  
*EPFL, CE 105*  
 Abstracts CC14–CC48
- 14.30–15.00 **General Assembly of the Members of the Swiss Chemical Society**  
*EPFL, CE 6*
- 15.00–15.30 **Invited lecture**  
*EPFL, CE 106*  
 Abstract CC7
- 15.30–17.00 **Lectures**  
*EPFL, CE 106*  
 Abstract CC8–CC13
- 11.30–17.00** **Inorganic and Coordination Chemistry**
- 11.30–13.00 **Minisymposium**  
*EPFL, CE 6*  
 Abstracts IC1–IC3
- 13.00–14.30 **Poster Session**  
*EPFL, CE SPO*  
 Abstracts IC14–IC89
- 14.30–15.00 **General Assembly of the Members of the Swiss Chemical Society**  
*EPFL, CE 6*
- 15.00–17.00 **Lectures**  
*EPFL, CE 6*  
 Abstracts IC4–IC13

**11.30–17.30 Organic Chemistry**

Session A1  
11.30–11.45 Synthesis and Catalysis  
**Lecture of the Max-Lüthi Award Laureate 2011**  
*EPFL, CE 1*  
Abstract OC1

11.45–13.15 **Lectures**  
*EPFL, CE 1*  
Abstracts OC2–OC6, OC 35

Session B1  
11.30–13.00 Techniques, Properties and Mechanisms  
**Lectures**  
*EPFL, CE 3*  
Abstracts OC15–OC20

Sessions A & B  
13.00–14.30 **Poster Session**  
*EPFL, CE SPO*  
Abstracts OC29–OC123

14.30–15.00 **General Assembly of the Members of the Swiss Chemical Society**  
*EPFL, CE 6*

Session A2  
15.00–15.15 Synthesis and Catalysis  
**Firmenich lecture**  
*EPFL, CE 1*  
Abstract OC7

15.15–17.00 **Lectures**  
*EPFL, CE 1*  
Abstracts OC8–OC14

Session B2  
15.00–17.00 Techniques, Properties and Mechanisms  
**Lectures**  
*EPFL, CE 3*  
Abstracts OC21–OC28

**11.30–17.00 Physical Chemistry**

11.30–12.45 **Lectures**  
*EPFL, CE 4*  
Abstracts PC1–PC5

12.45–13.00 **Poster talks**  
*EPFL, CE 4*  
Abstracts PC14–PC18

13.00–14.30 **Poster Session**  
*EPFL, CE 101*  
Abstracts PC19–PC80

14.30–15.00 **General Assembly of the Members of the Swiss Chemical Society**  
*EPFL, CE 6*

15.00–17.00 **Lectures**  
*EPFL, CE 4*  
Abstracts PC6–PC13

**11.00–17.00 Division of Polymers and Colloids**

11.00–11.15 **General Assembly of the Members of the Division**  
*EPFL, BS 160*

11.15–11.45 **Invited lecture**  
*EPFL, BS 160*  
Abstract PO1

11.45–12.00 **Dow lecture**  
*EPFL, BS 160*

12.00–13.15 **Lectures**  
*EPFL, BS 160*  
Abstracts PO2–PO6

13.15–14.30 **Poster Session**  
*EPFL, BS 170*  
Abstracts PO14–PO52

14.30–15.00 **General Assembly of the Members of the Swiss Chemical Society**  
*EPFL, CE 6*

15.00–15.30 **Invited lecture**  
*EPFL, BS 160*  
Abstract PO7

15.30–17.00 **Lectures**  
*EPFL, BS 160*  
Abstracts PO8–PO13

**17.00–17.15 Coffee Break**

**PLENARY SESSION**

**17.15–17.45 Presentation of the Awards for the Best Poster and Oral Presentations, Sponsored by DSM and the Metrohm Foundation**  
*EPFL, CE 6*

**Analytical Chemistry**  
3 posters and 2 oral presentations  
Jury: *S. Schürch, C. Staub*

**Medicinal Chemistry**  
3 posters and 2 oral presentations  
Jury: *K.-H. Altmann, Y. Auberson, H. P. Märki*

**Computational Chemistry**  
2 posters and 2 oral presentations  
Jury: *C. Corminboeuf, M. Meuwly*

**Inorganic and Coordination Chemistry**  
4 posters and 2 oral presentations  
Jury: *P. Dyson, X. Hu, K. Severin, T. R. Ward*

**Organic Chemistry**  
6 posters and 4 oral presentations  
Jury: *N. Cramer, P. Renaud, J. Waser, J. Zhu*

**Physical Chemistry**  
3 posters and 2 oral presentations  
Jury: *T. Bally, R. Beck*

**Polymers and Colloids**  
3 posters and 2 oral presentations  
Jury: *H.-A. Klok, F. Scheffold*

**DETAILED PROGRAM****Analytical Chemistry**

Sponsored by Brechbühler

**11.00–11.30 General Assembly of the Members**

EPFL, CE 2

Chair: *Gérard Hopfgartner***11.30–12.15 Invited lecture**

EPFL, CE 2

Chair: *Stefan Schürch**Maria Perla Colombini*

University of Pisa, Pisa, Italy

'Analytical Chemistry in Art'

**12.15–13.00 Lectures**

EPFL, CE 2

Abstracts AC1–AC3

Chair: *Stefan Schürch***12.15–12.30 Hao Wang, D. Gromilund, D. Günther, L. Van***Loon, C. N. Borca*

Swiss Light Source, PSI, CH-5232 Villigen

ETH Zurich, CH-8093 Zurich

Laboratory of Waste Management, PSI,

CH-5232 Villigen

'Quantitative Microscopic Studies with High

Spatial Resolution of Contaminant Diffusion

into Opalinus Clay Rock'

Abstract AC1

**12.30–12.45 Alfredo J. Ibáñez, S. Fagerer, R. Zenobi**

ETH Zurich, CH-8093 Zurich

'The Power of One: Microarrays for Mass Spectrometry and their Application for Single-Cell Metabolomics'

Abstract AC2

**12.45–13.00 Michel Wagner, E. Varesio, G. Hopfgartner**

School of Pharmaceutical Sciences, University of Geneva, University of Lausanne,

CH-1211 Genève 4

'A novel non-card based format for dried blood spots analysis for  $\mu$ csLLE liquid chromatography mass spectrometric analysis'

Abstract AC3

**13.00–14.30 Poster Session**

EPFL, CE 100

Abstracts AC10–AC56

**14.30–15.00 General Assembly of the Members of the Swiss Chemical Society**

EPFL, CE 6

**15.00–15.30 Brechbühler lectures**

EPFL, CE 2

Chair: *Christian Staub***15.00–15.15 Maurus Biedermann**

Kantonales Labor Zurich

'On-line HPLC-GC for the determination of saturated and aromatic mineral hydrocarbons in foods'

**15.15–15.30 Philippe Mottay, U. Hofstetter, P. Pichler,**

R. Estebaranz

Brechbühler AG, CH-8952 Schlieren

'Latest development in LC-GC instrumentation'

**15.30–17.00 Lectures**

EPFL, CE 2

Chair: *Christian Staub***15.30–15.45 Tatiana Egorova, R. Dietiker, B. Hattendorf,***D. Günther*

ETH Zurich, CH-8093 Zurich

'Ion Funnel as a New Interface for ICPMS'

Abstract AC4

**15.45–16.00 Silvan R. Stucki, A. Nyakas, S. Schürch**

University of Bern, CH-3012 Bern

'Tandem Mass Spectrometry of Platinated DNA Quadruplexes'

Abstract AC5

**16.00–16.15 Zhongshu Li, X. Zhang**

ETH Zurich, CH-8093 Zurich

'A Straightforward Approach to Study the Intrinsic Properties of Host-Guest Cyclodextrin Complexes in the Gas Phase'

Abstract AC6

**16.15–16.30 Sebastien Cap, L. L. Simon, K. Hungerbühler**

ETH Zurich, CH-8093 Zurich

'Calibration Free Reactive Dissolution Kinetic Modeling with *in situ* FBRM, ATR-IR, and Calorimetry'

Abstract AC7

**16.30–16.45 Lothar Opilik, T. Schmid, T. Bauer, I. Liko,***J. Stadler, R. Zenobi*

ETH Zurich, CH-8093 Zurich

'Nanoscale Chemical Imaging of Segregated Lipid Domains using Tip-Enhanced Raman Spectroscopy'

Abstract AC8

**16.45–17.00 David Tonoli, E. Varesio, G. Hopfgartner**

School of Pharmaceutical Sciences, University of Geneva, University of Lausanne,

CH-1211 Genève 4

'Acetaminophen toxicity: QUAL/QUAN liquid chromatography high resolution mass spectrometric approaches for drug metabolism and metabolomic investigations'

Abstract AC9

**17.00–17.15 Coffee Break****17.15–17.45 Presentation of the Awards for the Best Poster and Oral Presentations, sponsored by DSM and the Metrohm Foundation****Medicinal Chemistry**

Sponsored by Actelion

**11.00–11.15 General Assembly of the Members**

EPFL, CE 5

Chair: *Karl-Heinz Altmann*

- 11.15–11.45 Actelion lecture**  
EPFL, CE 5  
Chair: **Hans Peter Märki**
- Bibia Heidmann-Benacer, Ralf Brunner**  
Actelion Pharmaceuticals Ltd, CH-4123 Allschwil  
'Characterization of a novel antimalarial chemotype'
- 11.45–13.00 Lectures**  
EPFL, CE 5  
Abstracts MC1–MC5  
Chair: **Hans Peter Märki**
- 11.45–12.00 **G. M. Benson<sup>a</sup>, K. H. Bleicher<sup>a</sup>, D. Blum<sup>a</sup>, E. Chaput<sup>a</sup>, N. Clemann<sup>a</sup>, S. Feng<sup>b</sup>, C. Gardes<sup>a</sup>, U. Grether<sup>a</sup>, P. Hartman<sup>a</sup>, B. Kuhn<sup>a</sup>, R. E. Martin<sup>a</sup>, J.-M. Plancher<sup>a</sup>, Hans G. F. Richter<sup>a</sup>, M. G. Rudolph<sup>a</sup>, F. Schuler<sup>a</sup>, S. Taylor<sup>a</sup>**  
<sup>a</sup>F. Hoffmann-La Roche Ltd, CH-4070 Basel  
<sup>b</sup>Roche R&D Center (China) Ltd, Shanghai 201203, China  
'Identification of a novel class of potent and selective small molecule FXR agonists based on the benzimidazolyl-acetamide scaffold'  
Abstract MC1
- 12.00–12.15 **Raphael Schiess, E. Perrino, D. Neri, K.-H. Altmann**  
ETH Zurich, CH-8093 Zurich  
'A New Synthetic Approach to Side Chain-Modified Analogs of Cyclopropyl-Epothilone B'  
Abstract MC2
- 12.15–12.30 **Gebhard Thoma**  
Novartis Institutes for BioMedical Research, CH-4002 Basel  
'A potent Jak3 inhibitor with high selectivity within the Janus kinase family – On the roles of Jak1 and Jak3 in signal transduction'  
Abstract MC3
- 12.30–12.45 **Patricia Graven<sup>a</sup>, M. Tambalo<sup>a</sup>, E. Falcini<sup>a</sup>, M. Mosimann<sup>b</sup>, P. Mäser<sup>b</sup>, L. Scapozza<sup>a</sup>, R. Perozzo<sup>a</sup>**  
<sup>a</sup>School of Pharmaceutical Sciences, University of Geneva, University of Lausanne, CH-1211 Genève 4  
<sup>b</sup>University of Bern, CH-3012 Bern  
'Adenosine kinase overexpression leads to a trypanostatic effect in *Trypanosoma brucei*'  
Abstract MC4
- 12.45–13.00 **Valentina Aureggi<sup>a</sup>, J. Wieland<sup>b</sup>, S. Meyer<sup>c</sup>, D. Bur<sup>c</sup>, B. Breit<sup>b</sup>, F. Diederich<sup>a</sup>**  
<sup>a</sup>ETH Zurich, CH-8093 Zurich  
<sup>b</sup>University of Freiburg, 79104 Freiburg, Germany  
<sup>c</sup>Actelion Pharmaceuticals Ltd, CH-4123 Allschwil  
'Structure-Based Design and Synthesis of Non-peptidic Novel Inhibitors for the Malarial Target Plasmepsins'  
Abstract MC5
- 13.00–14.30 Poster Session**  
EPFL, CE 103  
Abstracts MC14–MC65
- 14.30–15.00 General Assembly of the Members of the Swiss Chemical Society**  
EPFL, CE 6
- 15.00–17.00 Lectures**  
EPFL, CE 5  
Abstracts MC6–MC13  
Chair: **Yves Auberson**
- 15.00–15.15 **Harald Mauser**  
F. Hoffmann-La Roche Ltd., CH-4070 Basel  
'Design of Small Molecule Protein-Protein Inhibitors'  
Abstract MC6
- 15.15–15.30 **Trixi Brandl**  
Novartis Institutes for BioMedical Research, CH-4002 Basel  
'Trypsin inhibitors for the treatment of pancreatitis: A long way from the prime site into the S3/4 pocket'  
Abstract MC7
- 15.30–15.45 **Cindy Fellay, C. Chidley, K. Johnsson**  
EPF Lausanne, CH-1015 Lausanne  
'Discovering Protein Targets of Drugs Using Yeast-Based Screen'  
Abstract MC8
- 15.45–16.00 **Olivier Schwardt, S. Rabbani, M. Wittwer, A. Zalewski, B. Cutting, B. Ernst**  
University of Basel, CH-4056 Basel  
'Design, Synthesis and Biological Evaluation of Mannosyl Triazoles as FimH Antagonists'  
Abstract MC9
- 16.00–16.15 **Daniela Abgotton, O. Schwardt, S. Kleeb, M. Scharenberg, S. Rabbani, B. Ernst**  
University of Basel, CH-4056 Basel  
'In Vitro and In Vivo evaluation of Squaric Acid Derivatives as FimH Antagonists'  
Abstract MC10
- 16.15–16.30 **Selena Milicevic Sephton, P. Dennler, S. D. Krämer, R. Schibli, S. M. Ametamey**  
ETH Zurich, CH-8093 Zurich  
'In A Search of Fluorinated PET Tracers for Imaging of mGluR5'  
Abstract MC11
- 16.30–16.45 **A. E. Boitano<sup>a</sup>, Laure C. Bouchez<sup>b</sup>, R. Romeo<sup>a</sup>, M. P. Cooke<sup>a</sup>, Peter G. Schultz<sup>c</sup>**  
<sup>a</sup>Novartis Research Foundation, San Diego, CA-92121, USA  
<sup>b</sup>Novartis Institutes for BioMedical Research, CH-4002 Basel  
<sup>c</sup>The Scripps Research Institute, La Jolla, CA-92037, USA  
'Modulators of Human Stem Cell Fate in the Context of Regenerative Medicine'  
Abstract MC12



16.45–17.00 **Werner Neidhart, A. Mayweg, B. Kuhn, J. Ackermann, D. Hunziker, A. Ruf, M. Otteneder, A. Luehe, E. Tozzo, P. Verry, K. Amrein**  
F. Hoffmann-La Roche Ltd., CH-4070 Basel  
'11 $\beta$ -HSD1 Inhibitors for Type II Diabetes and Beyond – The Metabolic Syndrome'  
Abstract MC13

17.00–17.15 **Coffee Break**

17.15–17.45 **Presentation of the Awards for the Best Poster and Oral Presentations, sponsored by DSM and the Metrohm Foundation**

### Chemical Research

11.00–11.30 **General Assembly of the Members**  
EPFL, CE 6

### Computational Chemistry

11.30–13.00 **Lectures**  
EPFL, CE 106  
Abstracts CC1–CC6  
Chair: **Clémence Corminboeuf**

11.30–11.45 **Tomáš Zimmermann, J. Vaníček**  
EPF Lausanne, CH-1015 Lausanne  
'Evaluation of the non(a)diabaticity of the quantum molecular dynamics using the dephasing representation of quantum fidelity'  
Abstract CC1

11.45–12.00 **Pierre-André Cazade, M. Meuwly**  
University of Basel, CH-4056 Basel  
'Oxygen Dynamics and Energetics of Migration Pathways in Truncated Hemoglobin'  
Abstract CC2

12.00–12.15 **Basile F. E. Curchod, I. Tavernelli, U. Röthlisberger**  
EPF Lausanne, CH-1015 Lausanne  
'Trajectory-based solution of the nonadiabatic quantum dynamics equations: an on-the-fly approach for molecular dynamics simulations'  
Abstract CC3

12.15–12.30 **Martin Smiesko**  
University of Basel, CH-4056 Basel  
'Alignator – a computer program for induced-fit docking: Validation on the nuclear receptors'  
Abstract CC4

12.30–12.45 **Andreas Glöss, M. P. Brandle, H.-P. Lüthi**  
ETH Zurich, CH-8093 Zurich  
'A quantum chemical data base approach for method development and data processing'  
Abstract CC5

12.45–13.00 **Allessandra Nurissio, P.-A. Carrupt, A. Daina**  
School of Pharmaceutical Sciences, University of Geneva, University of Lausanne, CH-1211 Genève 4  
'Molecular docking using the Molecular Lipophilicity Potential as hydrophobic

descriptor: impact on the GOLD docking performance'  
Abstract CC6

13.00–14.30 **Poster Session**  
EPFL, CE 105  
Abstracts CC14–CC48

14.30–15.00 **General Assembly of the Members of the Swiss Chemical Society**  
EPFL, CE 6

15.00–15.30 **Invited lecture**  
EPFL, CE 106  
Chair: **Markus Meuwly**

**Hans Jörg Limbach**  
Nestlé Research Center, Vers-chez-les-Blanc, CH-1000 Lausanne  
'How to thermostat coupled heat and mass transport in MD simulations and other challenges from the world of foods'  
Abstract CC7

15.30–17.00 **Lectures**  
EPFL, CE 106  
Abstracts CC8–CC13  
Chair: **Markus Meuwly**

15.30–15.45 **Xiuwen Zhou<sup>a</sup>, J. W. Kaminski<sup>b</sup>, T. A. Wesolowski<sup>a</sup>**  
<sup>a</sup>University of Geneva, CH-1211 Geneva  
<sup>b</sup>California Institute of Technology, Pasadena, CA-91125, USA  
'Multi-scale modelling of solvatochromic shifts based on frozen-density embedding theory'  
Abstract CC8

15.45–16.00 **Laura Zoppi<sup>a</sup>, A. Ferretti<sup>b</sup>, L. Martin-Samos<sup>c</sup>, K. K. Baldridge<sup>a</sup>**  
<sup>a</sup>University of Zurich, CH-8057 Zurich  
<sup>b</sup>Istituto Nanoscience, 41100 Modena, Italy  
<sup>c</sup>CNR-IOM DEMOCRITOS and SISSA, 34136 Trieste, Italy  
'Electron transport across a corannulene-SWCNT junction'  
Abstract CC9

16.00–16.15 **Steven M. A. Donald, M. Reiher**  
ETH Zurich, CH-8093 Zurich  
'Computational methods for finding the ideal nitrogen fixation catalyst'  
Abstract CC10

16.15–16.30 **Tanya K. Todorova, L. Roch, C. Corminboeuf**  
EPF Lausanne, CH-1015 Lausanne  
'Oxygen and Proton Reduction by Metallocenes in Non-Aqueous Media'  
Abstract CC11

16.30–16.45 **Piotr de Silva<sup>ab</sup>, J. Korchowiec<sup>b</sup>**  
<sup>a</sup>University of Geneva, CH-1211 Geneva  
<sup>b</sup>Jagiellonian University, 30-060 Cracow, Poland  
'Multiregional Localized Molecular Orbitals'  
Abstract CC12

16.45–17.00 **Marco Stenta, C. Bovigny, M. Dal Peraro**  
EPF Lausanne, CH-1015 Lausanne  
'LpxC: insights into substrate binding and selectivity' Abstract CC13

17.00–17.15 **Coffee Break**

17.15–17.45 **Presentation of the Awards for the Best Poster and Oral Presentations, sponsored by DSM and the Metrohm Foundation**

### Inorganic and Coordination Chemistry

Sponsored by KGF (Kontaktgruppe für Forschungsfragen)

11.30–13.00 **Minisymposium**  
EPFL, CE 6  
Abstract IC1–IC3  
Chair: **Thomas R. Ward**

11.30–12.00 **Richard A. Andersen**  
University of California, Berkeley, CA-94720, USA  
'Reactions of Cp<sub>2</sub>CeH: Breaking C–H and C–O Bonds and Making C–C Bonds'  
Abstract IC1

12.00–12.30 **Olivier Maury**  
ENS Lyon, UMR CNRS 5182, 69007 Lyon, France  
'Two-photon sensitized lanthanides luminescence: Bio-imaging applications from the green to the infra-red'  
Abstract IC2

12.30–13.00 **Christophe Copéret**  
ETH Zurich, CH-8093 Zurich  
'What is alumina? A molecular point of view'  
Abstract IC3

13.00–14.30 **Poster Session**  
EPFL, CE SPO  
Abstracts IC14–IC89

14.30–15.00 **General Assembly of the Members of the Swiss Chemical Society**  
EPFL, CE 6

15.00–17.00 **Lectures**  
EPFL, CE 6  
Abstracts IC4–IC13  
Chair: **Kay Severin, Thomas R. Ward**

15.00–15.12 **A. Togni, Esteban Mejía**  
ETH Zurich, CH-8093 Zurich  
'Rhenium-Catalyzed Trifluoromethylation of Arenes and Heteroarenes by Hypervalent Iodine Reagents'  
Abstract IC4

15.12–15.24 **Dominique F. Schreiber, A. D. Phillips**  
University College Dublin, Ireland  
' $\beta$ -Diketiminato Ruthenium(II)-arene Complexes in Homogeneous Lewis-acid Catalysis of the Diels-Alder Reaction'  
Abstract IC5

15.24–15.36 **Miguel Guttentag, A. Rodenberg, P. Hamm, R. Alberto**  
University of Zurich, CH-8057 Zurich  
'Homogenous Photocatalytic Hydrogen Evolution from Water under Acidic Conditions'  
Abstract IC6

15.36–15.48 **Georg Geisberger, G. R. Patzke**  
University of Zurich, CH-8057 Zurich  
'Development of Biopolymeric Drug Carriers for Targeted Delivery of Polyoxometalates'  
Abstract IC7

15.48–16.00 **Erin Sheepwash, K. Severin**  
EPF Lausanne, CH-1015 Lausanne  
'Dative B–N bonds in Supramolecular Chemistry'  
Abstract IC8

16.00–16.12 **Mona A. Furrer, B. Therrien**  
University of Neuchâtel, CH-2000 Neuchâtel  
'New functionalized  $\eta^6$ -arene ruthenium complexes for biological applications'  
Abstract IC9

16.12–16.24 **Marc Dürrenberger, T. Rossel, A. Mutschler, T. Heinisch, T. R. Ward**  
University of Basel, CH-4056 Basel  
'Mechanistic Investigations on a Highly Selective Artificial Transfer Hydrogenase for the Reduction of Cyclic Imines'  
Abstract IC10

16.24–16.36 **Fabio Zobi, O. Blacque, R. A. Jacobs, M. C. Schaub, A. Y. Bogdanova**  
University of Zurich, CH-8057 Zurich  
'17 e<sup>-</sup> Rhenium CO-Releasing Molecules on a Cobalamin Scaffold'  
Abstract IC11

16.36–16.48 **Kai Zhou, H. Brandl, W. Buckel, F. Zelder**  
University of Zurich, CH-8057 Zurich  
'Coordination chemistry and biological activity of vitamin B12 derivatives with a peptide backbone'  
Abstract IC12

16.48–17.00 **J.-F. Ayme, Jonathan E. Beves, D. A. Leigh, R. T. McBurney, D. Schultz**  
The University of Edinburgh, Edinburgh, EH9 3JJ, UK  
'A Molecular Pentafoil Knot'  
Abstract IC13

17.00–17.15 **Coffee Break**

17.15–17.45 **Presentation of the Awards for the Best Poster and Oral Presentations, sponsored by DSM and the Metrohm Foundation**

### Organic Chemistry

Sponsored by Firmenich

Session A1  
11.30–11.45 **Synthesis and Catalysis**  
**Lecture of the Max-Lüthi Award Laureate 2011**

- EPFL, CE 1  
Chair: **Philippe Renaud**
- Michael Brand, R. Riedl**  
Zurich University of Applied Sciences,  
CH-8820 Wädenswil  
'Synthesis of tetracycline analogues'  
Abstract OC1
- 11.45–13.15 Lectures**  
EPFL, CE 1  
Abstracts OC2–OC6, OC35  
Chair: **Philippe Renaud**
- 11.45–12.00 **Davinia Fernández González, J. Waser**  
EPF Lausanne, CH-1015 Lausanne  
'Alkynylation of Soft Nucleophiles using  
Ethynyl Benzioldoxolone (EBX)'  
Abstract OC2
- 12.00–12.15 **Iouliia Gorokhovich, L. Neuville, J. Zhu**  
EPF Lausanne, CH-1015 Lausanne  
ICSN-CNRS, 91190 Gif-sur-Yvette, France  
'Synthesis of oxindoles by a Friedel-Crafts  
reaction'  
Abstract OC3
- 12.15–12.30 **Christoph Schotes, A. Mezzetti**  
ETH Zurich, CH-8093 Zurich  
'Asymmetric Ruthenium / PNNP-catalyzed  
Diels-Alder and Ficin Reactions with  
Unsaturated  $\beta$ -Ketoesters'  
Abstract OC4
- 12.30–12.45 **E. V. Prusov, Carolin Schwehm, K.-H. Altmann**  
ETH Zurich, CH-8093 Zurich  
'Studies Towards the Total Synthesis of  
Iriomoteolide 3a'  
Abstract OC5
- 12.45–13.00 **Václav Matoušek<sup>a</sup>, V. Bizet<sup>b</sup>, D. Cahard<sup>b</sup>,  
A. Togni<sup>a</sup>**  
<sup>a</sup>ETH Zurich, CH-8093 Zurich  
<sup>b</sup>Université de Rouen, 76821 Mont Saint  
Aignan Cedex, France  
'Synthesis of  $\alpha$ -CF<sub>3</sub>-substituted carbonyl  
compounds using electrophilic CF<sub>3</sub>-transfer  
reagents'  
Abstract OC6
- 13.00–13.15 **Renaud Beaudegnies**  
Syngenta Crop Protection AG, CH-4332 Stein  
'New generation of 1,3-diones in the HPPD  
inhibitor chemistry'  
Abstract OC35
- Session B1  
**11.30–13.00 Lectures**  
EPFL, CE 3  
Abstracts OC15–OC20  
Chair: **Nicolai Cramer**
- 11.30–11.45 **Alexander Schütz, M. Zeltner, W. J. Stark**  
ETH Zurich, CH-8093 Zurich  
'A Comparative Study of Polymer and  
Nanoparticle Supports for Asymmetric Catalysts'  
Abstract OC15
- 11.45–12.00 **Thomas Nausser<sup>a</sup>, C. Schöneich<sup>b</sup>,  
W. H. Koppenol<sup>a</sup>**  
<sup>a</sup>ETH Zurich, CH-8093 Zurich  
<sup>b</sup>The University of Kansas, Lawrence, USA  
'Intramolecular H-Shift Reactions in Cysteinyl  
Radicals'  
Abstract OC16
- 12.00–12.15 **Christof Sparr, R. Gilmour**  
ETH Zurich, CH-8093 Zurich  
'Fluoro-Organocatalysts: Conformer  
Equivalents as a Tool for Mechanistic Studies'  
Abstract OC17
- 12.15–12.30 **F. Moradi-Afrapoli<sup>a</sup>, Samad Nejad Ebrahimi<sup>b</sup>,  
S. Zimmermann<sup>b</sup>, M. Quitschau<sup>b</sup>, M. Smiesko<sup>b</sup>,  
M. Hamburger<sup>b</sup>**  
<sup>a</sup>Tehran University of Medical Sciences, Tehran,  
Iran  
<sup>b</sup>University of Basel, CH-4056 Basel  
'Antiplasmodial Bisabolene Oxide Derivatives  
from *Artemisia persica* – Absolute  
Configuration by Density Functional Theory  
Calculation of ECD Spectra'  
Abstract OC18
- 12.30–12.45 **Roman S. Erdmann, H. Wennemers**  
University of Basel, CH-4056 Basel  
'Functionalized Collagen Model Peptides'  
Abstract OC19
- 12.45–13.00 **Jens P. Hermes, F. Sander, M. Mayor**  
University of Basel, CH-4056 Basel  
'Formation, functionalization and assembly of  
dendrimer stabilized gold nanoparticles'  
Abstract OC20
- Sessions A & B  
**13.00–14.30 Poster Session**  
EPFL, CE SPO  
Abstracts OC29–OC123
- 14.30–15.00 General Assembly of the Members of the  
Swiss Chemical Society**  
EPFL, CE 6
- Session A2  
**15.00–15.15 Firmenich lecture**  
EPFL, CE 1  
Chair: **Jérôme Waser**
- J. Kuhne, Olivier Knopff**  
Firmenich SA, CH-1211 Geneva 8  
'New Approches to the Synthesis of the Musk  
Odorants (*R*)-Muscone and (*R,Z*)-5-Muscenone'  
Abstract OC7
- 15.15–17.00 Lectures**  
EPFL, CE 1  
Abstracts OC8–OC14  
Chair: **Jérôme Waser**
- 15.15–15.30 **Elangovan Elamparuthi<sup>a</sup>, C. Fellay<sup>b</sup>,  
M. Neuburger<sup>a</sup>, K. Gademann<sup>a</sup>**  
<sup>a</sup>University of Basel, CH-4056 Basel  
<sup>b</sup>EPF Lausanne, CH-1015 Lausanne  
'Towards the Total Synthesis of Cyreneine A,

- a Cyathane Diterpene Promoting Neurite Outgrowth'  
Abstract OC8
- 15.30–15.45 **Adnan Ganić, A. Pfaltz**  
University of Basel, CH-4056 Basel  
'Iridium Catalyzed Hydrogenation of Alkyl Boronic Esters'  
Abstract OC9
- 15.45–16.00 **Simon N. Kessler, H. A. Wegner**  
University of Basel, CH-4056 Basel  
'Bidentate Lewis Acids as Efficient Catalysts for the Inverse Electron Demanding Diels-Alder Reaction'  
Abstract OC10
- 16.00–16.15 **Pierre Mateo, P. Renaud**  
University of Bern, CH-3012 Bern  
'Addition of Mono-organocopper Reagents to Thioiminium Ions'  
Abstract OC11
- 16.15–16.30 **Aurélien Bigot, A. E. Williamson, M. J. Gaunt**  
University of Cambridge, Cambridge, CB2 1EW, UK  
'Copper Catalysed Enantioselective  $\alpha$ -Arylation of Silyl Ketenimides'  
Abstract OC12
- 16.30–16.45 **Ludovic Gremaud, A. Alexakis**  
University of Geneva, CH-1211 Genève 4  
'Enantioselective Copper Catalyzed 1,4 addition to challenging Michael acceptors and synthesis of relevant target molecules'  
Abstract OC13
- 16.45–17.00 **Sirinporn Thamapipol, E. P. Kündig**  
University of Geneva, CH-1211 Genève 4  
'Synthesis of *ent*-Ledol by Application of Chiral Ru Lewis acid Catalyzed Asymmetric Intramolecular Diels-Alder Reactions'  
Abstract OC14
- Session B2  
**15.00–17.00**  
Techniques, Properties and Mechanisms  
**Lectures**  
EPFL, CE 3  
Abstracts OC21–OC28  
Chair: **Jieping Zhu**
- 15.00–15.15 **Florian P. Seebeck**  
University of Basel, CH-4056 Basel  
'Oxidative sulfur transfers'  
Abstract OC21
- 15.15–15.30 **Tanguy Saget, N. Cramer**  
EPF Lausanne, CH-1015 Lausanne  
'Accessing Functionalized Allene Intermediates By C–C Fragmentation'  
Abstract OC22
- 15.30–15.45 **M. Pröller, Milan Kivala**  
University of Erlangen-Nürnberg, 91054 Erlangen, Germany  
'Functional  $\pi$ -Conjugated Materials Based on Bridged Triphenylamines'  
Abstract OC23
- 15.45–16.00 **Ankit Sharma, L. Guénée, J.-V. Naubron, J. Lacour**  
University of Geneva, CH-1211 Genève 4  
'One-step Catalytic Asymmetric Synthesis of Configurationally Stable Tröger Bases'  
Abstract OC24
- 16.00–16.15 **Jetsuda Areephong, M. Lista, N. Sakai, S. Matile**  
University of Geneva, CH-1211 Genève 4  
'Self-Organizing Surface-Initiated Polymerization (SOSIP): A New Approach to Organic Solar Cells'  
Abstract OC25
- 16.15–16.30 **Rahul S. Kathayat, N. S. Finney**  
University of Zurich, CH-8057 Zurich  
'Fluorescence-based Metal ion detection: Binding induced conformational restriction mechanism'  
Abstract OC26
- 16.30–16.45 **Derik F. Frantz, K. K. Baldrige, J. S. Siegel**  
University of Zurich, CH-8057 Zurich  
'Molecular Spur Gears'  
Abstract OC27
- 16.45–17.00 **X. Huang, Nuno Maulide**  
Max-Planck Institut für Kohlenforschung, 45470 Mülheim, Germany  
'Novel Transformations Mediated by Sulfur Reagents: From Ylide Transfer to Direct Arylation of Carbonyl Compounds'  
Abstract OC28
- 17.00–17.15** **Coffee Break**
- 17.15–17.45** **Presentation of the Awards for the Best Poster and Oral Presentations, sponsored by DSM and the Metrohm Foundation**
- Physical Chemistry**
- 11.30–12.45** **Lectures**  
EPFL, CE 4  
Abstracts PC1–PC5  
Chair: **Jacques-Edouard Moser**
- 11.30–11.45 **Nicola Salvi<sup>a</sup>, S. Ulzega<sup>a</sup>, F. Ferrage<sup>b</sup>, G. Bodenhausen<sup>ab</sup>**  
<sup>a</sup>EPF Lausanne, CH-1015 Lausanne  
<sup>b</sup>ENS, CNRS UMR 7203, 75231 Paris Cedex 05, France  
'Correlated motions in biomolecules by HDR NMR spectroscopy'  
Abstract PC1
- 11.45–12.00 **Marina Fedoseeva, P. Fita, E. Vauthey**  
University of Geneva, CH-1211 Genève 4  
'Xanthene dyes as a dynamic probe for hydrogen-bonding properties at liquid interfaces: time-resolved second harmonic generation study'  
Abstract PC2

- 12.00–12.15 **Frederico A. Lima<sup>a</sup>, C. Milne<sup>a</sup>, M. Benfatto<sup>b</sup>, M. Chergui<sup>a</sup>**  
<sup>a</sup>EPF Lausanne, CH-1015 Lausanne  
<sup>b</sup>LNF, INFN CP13, 00044 Frascati, Italy  
 ‘Multiple-scattering analysis of the time-resolved XAS spectra of ligated Myoglobin in physiological media’  
 Abstract PC3
- 12.15–12.30 **Leo-Philipp Heiniger, N. Tétreault, F. Sauvage, M. Grätzel**  
 EPF Lausanne, CH-1015 Lausanne  
 ‘Light management in dye-sensitized solar cells’  
 Abstract PC4
- 12.30–12.45 **Felix H. J. Hall, S. Willitsch**  
 University of Basel, CH-4056 Basel  
 ‘Chemical reactions at ultralow temperatures: charge transfer and radiative processes in the Ca<sup>+</sup> + Rb system’  
 Abstract PC5
- 12.45–13.00 Poster talks**  
 EPFL, CE 4  
 Abstracts PC14–PC18
- Jakob Grilj**, Abstract PC14  
**Robert J. Nieckarz**, Abstract PC15  
**Fivos Perakis**, Abstract PC16  
**Giulia Di Domenicantonio**, Abstract PC17  
**Nuttapol Pootrakulchote**, Abstract PC18
- 13.00–14.30 Poster Session**  
 EPFL, CE 101  
 Abstracts PC19–PC80
- 14.30–15.00 General Assembly of the Members of the Swiss Chemical Society**  
 EPFL, CE 6
- 15.00–17.00 Lectures**  
 EPFL, CE 4  
 Abstracts PC6–PC13  
 Chair: **Frédéric Merkt**
- 15.00–15.15 **Christian Seiler, S. D. Hogan, F. Merkt**  
 ETH Zurich, CH-8093 Zurich  
 ‘Dynamical processes in Rydberg stark deceleration and trapping’  
 Abstract PC6
- 15.15–15.30 **Carine Manca Tanner, V. Zelenková-Horká, S. Albert, M. Quack**  
 ETH Zurich, CH-8093 Zurich  
 ‘High-resolution spectroscopy and intramolecular vibrational energy redistribution (IVR) in methyl iodide isotopomers’  
 Abstract PC7
- 15.30–15.45 **Georgios Papadopoulos, A. Svenden, O. V. Boyarkin, T. R. Rizzo**  
 EPF Lausanne, CH-1015 Lausanne  
 ‘Cold ion spectroscopy of FAIMS-selected conformations of biomolecules’  
 Abstract PC8
- 15.45–16.00 **Mateusz L. Donten, J. Van de Vondele, P. Hamm**  
 University of Zurich, CH-8057 Zurich  
 ‘Laser induced pH jumps and pH equilibration’  
 Abstract PC9
- 16.00–16.15 **Jan C. Brauer, J.-E. Moser**  
 EPF Lausanne, CH-1015 Lausanne  
 ‘Probing the Influence of Electrolyte on the Charge Carrier Generation Dynamics in DSSC using THz Time-Domain Spectroscopy’  
 Abstract PC10
- 16.15–16.30 **Phil Morten Hundt, H. Ueta, R. D. Beck**  
 EPF Lausanne, CH-1015 Lausanne  
 ‘Quantum-state Resolved Studies of the Physisorption and Chemisorption of Water’  
 Abstract PC11
- 16.30–16.45 **Christiane Kartusch, M. Makosch, J. Sá, K. Hungerbuehler, J. A. van Bokhoven**  
 ETH Zurich, CH-8093 Zurich  
 ‘Dynamic structure of supported gold in liquid phase hydrogenation’  
 Abstract PC12
- 16.45–17.00 **Heron Vrabel, D. Merki, X. Hu**  
 EPF Lausanne, CH-1015 Lausanne  
 ‘Amorphous Molybdenum Sulfide as Catalyst for Electrochemical Hydrogen Production in Water’  
 Abstract PC13
- 17.00–17.15 Coffee Break**
- 17.15–17.45 Presentation of the Awards for the Best Poster and Oral Presentations, sponsored by DSM and the Metrohm Foundation**
- Polymers and Colloids**  
 Sponsored by Dow
- 11.00–11.15 General Assembly of the Members**  
 EPFL, BS 160  
 Chair: **Bettina Steinmann**
- 11.15–11.45 Invited lecture**  
 EPFL, BS 160  
 Chair: **Harm-Anton Klok**
- H. R. Marsden, F. Versluis, H. Zope, I. Tomatsu, T. T. Zheng, M. Rabe, Alexander Kros**  
 Leiden University, 2333CC Leiden, The Netherlands  
 ‘The coiled-coil connection; from self-assembly to membrane fusion’  
 Abstract PO1
- 11.45–12.00 Dow lecture**  
 EPFL, BS 160  
 Chair: **Harm-Anton Klok**

- Rudy Koopmans**  
Dow Europe GmbH, CH-8810 Horgen  
'Self-assembling polymers – Making a Difference'
- 12.00–13.15 Lectures**  
*EPFL, BS 160*  
Abstracts PO2–PO6  
Chair: **Harm-Anton Klok**
- 12.00–12.15 **Javier Reguera<sup>a</sup>, M. Yu<sup>a</sup>, I. Pons-Siepermann<sup>b</sup>, S. C. Glotzer<sup>b</sup>, F. Stellacci<sup>a</sup>**  
<sup>a</sup>EPF Lausanne, CH-1015 Lausanne  
<sup>b</sup>University of Michigan, Michigan, USA  
'One-step synthesis of Janus Nanoparticles by self-assembly monolayers'  
Abstract PO2
- 12.15–12.30 **Renata Negrini, R. Mezzenga**  
ETH Zurich, CH-8093 Zurich  
'pH-Responsive Lyotropic Liquid Crystals for Controlled Drug Delivery'  
Abstract PO3
- 12.30–12.45 **Caroline Sugnaux, L. Lavanant, H.-A. Klok**  
EPF Lausanne, CH-1015 Lausanne  
'Design of Water Soluble Initiators for the Modification of Alumina Surfaces by SI-ATRP'  
Abstract PO4
- 12.45–13.00 **Prashant Sinha, M. Finessi, I. Szilagy, P. Maroni, M. Borkovec**  
University of Geneva, CH-1211 Geneva 4  
'Transition from repulsive double layer forces to attractive van der Waals forces observed between model latex particles using colloidal probe technique'  
Abstract PO5
- 13.00–13.15 **Margaret Holme<sup>abc</sup>, B. Müller<sup>b</sup>, A. Zumbühl<sup>a</sup>, T. Saxe<sup>c</sup>**  
<sup>a</sup>University of Geneva, CH-1211 Geneva 4  
<sup>b</sup>University of Basel, CH-4056 Basel  
<sup>c</sup>University Hospitals of Geneva, CH-1211 Geneva  
'Shear Stress Sensitive Nanocontainers for Targeted Drug Delivery'  
Abstract PO6
- 13.15–14.30 Poster Session**  
*EPFL, BS 170*  
Abstracts PO14–PO52
- 14.30–15.00 General Assembly of the Members of the Swiss Chemical Society**  
*EPFL, CE 6*
- 15.00–15.30 Invited lecture**  
*EPFL, BS 160*  
Chair: **Frank Scheffold**
- Hans M. Wyss**  
Eindhoven University of Technology, Eindhoven, the Netherlands  
'Relaxation and flow of soft colloids'  
Abstract PO7
- 15.30–17.00 Lectures**  
*EPFL, BS 160*  
Abstracts PO8–PO13  
Chair: **Frank Scheffold**
- 15.30–15.45 **Frédéric Cardinaux<sup>a</sup>, T. G. Mason<sup>b</sup>, F. Scheffold<sup>a</sup>**  
<sup>a</sup>University of Fribourg, CH-1700 Fribourg  
<sup>b</sup>University of California Los Angeles, CA 90095, USA  
'Heterogeneous dynamics in dense monodisperse emulsions'  
Abstract PO8
- 15.45–16.00 **Gergely Kali, K. Renggli, N. Bruns**  
University of Basel, CH-4056 Basel  
'Protein Based Catalysts for Atom Transfer Radical Polymerization'  
Abstract PO9
- 16.00–16.15 **Tolga Goren<sup>a</sup>, K. J. Rosenberg<sup>a</sup>, R. Crockett<sup>b</sup>, N. D. Spencer<sup>a</sup>**  
<sup>a</sup>ETH Zurich, CH-8093 Zurich  
<sup>b</sup>EMPA, CH-8600 Dübendorf  
'Interrelationship between Structure, Hydration and Lubricity of the Biomimetic Graft Copolymer Poly(L-lysine)-graft-Dextran'  
Abstract PO10
- 16.15–16.30 **Maren Schulze, A. F. M. Kilbinger**  
University of Fribourg, CH-1700 Fribourg  
'Tubular helices based on substituted oligo(p-benzamide)s'  
Abstract PO11
- 16.30–16.45 **Ruth Szilluweit, T. Hoheisel, M. Fritzsche, H. Frauenrath**  
EPF Lausanne, CH-1015 Lausanne  
'A Wet Chemical Approach towards Functional Carbon Nanostructures'  
Abstract PO12
- 16.45–17.00 **G. Trubitsyn, C. Di Tommaso, R. Gurny, Michael Möller**  
School of Pharmaceutical Sciences, University of Geneva, University of Lausanne, CH-1211 Genève 4  
'Novel PEG-hexPLA micellar drug carriers with a covalently labeled Nile Red fluorescence marker'  
Abstract PO13
- 17.00–17.15 Coffee Break**
- 17.15–17.45 Presentation of the Awards for the Best Poster and Oral Presentations, sponsored by DSM and the Metrohm Foundation**