



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

Fall Meeting 2009

Herbstversammlung 2009

Assemblée d'automne 2009

Friday, September 4, 2009
Freitag, 4. September 2009
Vendredi, 4 septembre 2009



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Ecole Polytechnique Fédérale de Lausanne
Centre Est

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 Prof. Claude Daul – University of Fribourg
 Prof. Harm-Anton Klok – EPF Lausanne
 Dr. Hans Peter Märki – F. Hoffmann-La Roche Ltd
 Prof. Raffaele Mezzenga – University of Fribourg
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 Prof. Kay Severin – EPF Lausanne
 Prof. Thomas Ward – University of Basel

Secretariat

Ms. Sandra Jeanneret, Ms. Corinne Weibel,
 Institute of Chemical Sciences and Engineering, Ecole Polytechnique Fédérale de Lausanne
 SB ISIC-GE, Station 6, CH-1015 Lausanne
 Tel.: +41 21 693 3611, E-mail: scs.fallmeeting@epfl.ch

Information

No registration for SCS members is required to participate in the meeting, coffee breaks and lunch, all of which are free of charge. *SCS members must identify themselves at the reception with their membership card.*

Non-members of the SCS will be asked to pay a CHF 50.– 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 17.45, before the SCS DSM and the SCS Mettler-Toledo Awards presentation.

No additional copies of the program or abstracts will be available at the meeting. All information on the Fall Meeting is contained in this issue of CHIMIA. Please remember to bring it with you.

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 the *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/>.

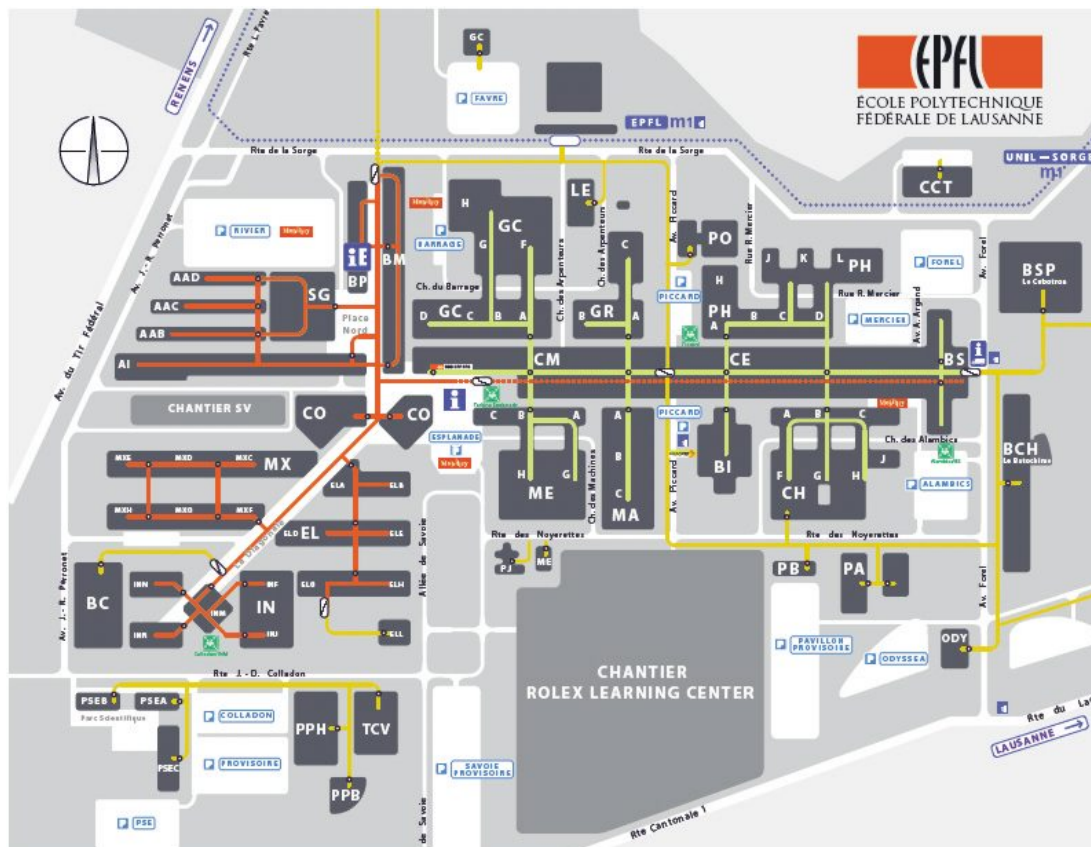
By car: On the motorway, follow Lausanne-Sud, exit at UNIL-EPFL, drive west for 1.7 km and then turn right at the sign EPFL. Limited space will be available at the parking lot 'Pavillon provisoire' (see EPFL campus map). One-day parking permits will be sold on the parking lot and at the registration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

Train Timetable

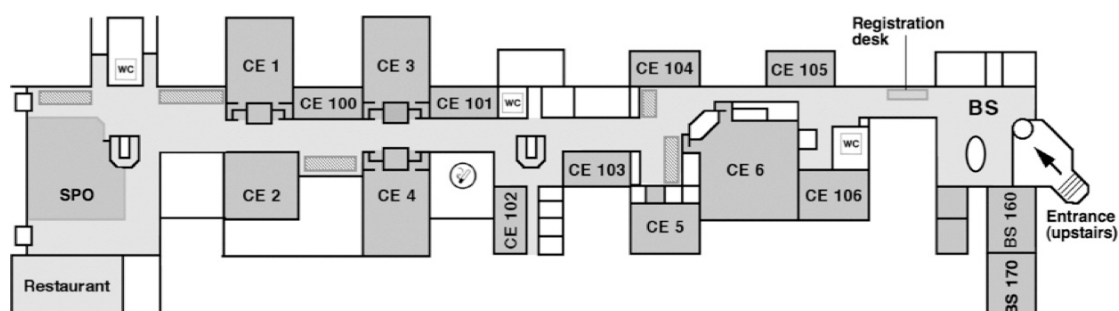
Train from	Morning			Evening			Train to
	Departure	Arrival Lausanne	Arrival Renens	Departure Renens	Departure Lausanne	Arrival	
Basel	07.03	09.15	09.24	18.35	18.45	20.53	Basel
Bern	08.04	09.15	09.24	18.35	18.45	19.56	Bern
Fribourg	08.26	09.15	09.24	18.35	18.45	19.33	Fribourg
Genève	08.36	09.15	09.24	18.35	18.45	19.24	Genève
Neuchâtel	08.34	09.15	09.24	18.35	18.45	19.25	Neuchâtel
Zürich	07.04	09.15	09.24	18.35	18.45	20.56	Zürich

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




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The organization of the meeting gratefully acknowledges the generous support of these companies, either individually, or as member companies of the KGF (Kontaktgruppe für Forschungsfragen).

Commercial Exhibition







A number of exhibitors will be presenting products and services of direct interest to the scientists attending the Fall Meeting. These companies have already confirmed their participation. See the meeting website (<http://scs-fallmeeting.epfl.ch/displays.html>) for an updated list of commercial booths.

Program of the Fall Meeting 2009

PLENARY SESSION

- 09.45–10.45 Opening Ceremony
EPFL, CE 6
Opening address
Giorgio Margaritondo
EPFL Vice president for academic affairs
- Presentation of the Max-Lüthi Award 2009**
Chair: **Georg Fráter**, SCS President
- Presentation of the Werner Prize 2009**
Chair: **Georg Fráter**, SCS President
Lecture of the Werner Prize Laureate 2009
Roland K. O. Sigel
University of Zurich
'Metal ions guide nucleic acid structure and function'
Abstract 1

PARALLEL SESSIONS

11.00–17.00 Division of Analytical Chemistry

- 11.00–11.30 **General Assembly of the members of the Division**
EPFL, CE 2
- 11.30–12.15 **Invited lecture**
EPFL, CE 2
Abstract 2
- 12.15–13.00 **Lectures**
EPFL, CE 2
Abstracts 3–5
- 13.00–14.15 **Poster Session**
EPFL, CE 100
Abstracts 13–55
- 14.15–15.00 **General Assembly of the members of the Swiss Chemical Society**
EPFL, CE 6
- 15.15–17.00 **Lectures**
EPFL, CE 2
Abstracts 6–12

11.00–17.00 Division of Medicinal Chemistry

- 11.00–11.10 **General Assembly of the members of the Division**
EPFL, CE 5
- 11.15–13.15 **Lectures**
EPFL, CE 5
Abstracts 56–63
- 13.15–14.15 **Poster Session**
EPFL, CE 103
Abstracts 72–105

- 14.15–15.00 **General Assembly of the members of the Swiss Chemical Society**
EPFL, CE 6

- 15.00–17.00 **Lectures**
EPFL, CE 5
Abstracts 64–71

11.00–17.30 Division of Chemical Research

- 11.00–11.30 **General Assembly of the members of the Division**
EPFL, CE 6

11.30–17.00 Computational Chemistry

- 11.30–13.15 **Lectures**
EPFL, CE 106
Abstracts 106–110
- 13.15–14.15 **Poster Session**
EPFL, CE 105
Abstracts 117–128

- 14.15–15.00 **General Assembly of the members of the Swiss Chemical Society**
EPFL, CE 6

- 15.00–17.00 **Lectures**
EPFL, CE 106
Abstracts 111–116

11.30–17.00 Inorganic and Coordination Chemistry

- 11.30–13.15 **Minisymposium in honor of Jean-Claude Bünzli**
EPFL, CE 6
Abstracts 129–131

- 13.15–14.15 **Poster Session**
EPFL, CE SPO
Abstracts 142–247

- 14.15–15.00 **General Assembly of the members of the Swiss Chemical Society**
EPFL, CE 6

- 15.15–17.00 **Lectures**
EPFL, CE 6
Abstracts 132–141

11.30–17.30 Organic Chemistry

- Session A1**
11.30–13.00 **Synthesis and catalysis**
Lectures
EPFL, CE 1
Abstracts 248–253

- 13.00–13.10 **Poster talks**
EPFL, CE 1
Abstracts 280–281

Session B1 11.30–13.00	Techniques, properties and mechanisms Lectures <i>EPFL, CE 3</i> Abstracts 264–269
13.00–13.05	Poster talk <i>EPFL, CE 3</i> Abstract 282
Sessions A & B 13.15–14.15	Poster Session EPFL, CE SPO Abstracts 283–373
14.15–15.00	General Assembly of the members of the Swiss Chemical Society <i>EPFL, CE 6</i>
Session A2 15.00–17.30	Synthesis and catalysis Lectures <i>EPFL, CE 1</i> Abstracts 254–263
Session B2 15.00–17.30	Techniques, properties and mechanisms Lectures <i>EPFL, CE 3</i> Abstracts 270–279
11.30–17.15	Physical Chemistry
11.30–13.00	Lectures <i>EPFL, CE 4</i> Abstracts 374–379
13.00–13.15	Poster talks EPFL, CE 4 Abstracts 389–393
13.15–14.15	Poster Session EPFL, CE 101 Abstracts 394–450
14.15–15.00	General Assembly of the members of the Swiss Chemical Society <i>EPFL, CE 6</i>
15.00–17.15	Lectures <i>EPFL, CE 4</i> Abstracts 380–388
11.00–17.00	Division of Polymers and Colloids
11.00–11.15	General Assembly of the members of the Division <i>EPFL, BS 160</i>
11.15–11.45	Invited lecture <i>EPFL, BS 160</i> Abstract 451
11.45–12.45	Lectures <i>EPFL, BS 160</i> Abstracts 453–456

12.45–14.15	Poster Session EPFL, BS 170 Abstracts 463–479
14.15–15.00	General Assembly of the members of the Swiss Chemical Society <i>EPFL, CE 6</i>
15.00–15.30	Invited Lecture <i>EPFL, BS 160</i> Abstract 452
15.30–17.00	Lectures <i>EPFL, BS 160</i> Abstracts 457–462
17.00–17.45	Coffee Break

PLENARY SESSION

17.45–18.00	Presentation of the Awards for the Best Oral and Poster Presentations <i>EPFL, CE 6</i>
	Analytical Chemistry 1 poster and 1 oral presentation Jury: <i>S. Schürch, C. Staub</i>
	Medicinal Chemistry 1 poster and 1 oral presentation Jury: <i>H.P. Märki, Y. Auberson, K.-H. Altmann</i>
	Computational Chemistry 1 poster and 1 oral presentation Jury: <i>J. Hutter, C. Daul</i>
	Inorganic and Coordination Chemistry 3 posters and 1 oral presentation Jury: <i>C. Piguet, T. R. Ward, K. Severin, X. Hu</i>
	Organic Chemistry 2 posters and 2 oral presentations Jury: <i>K. Gademann, J. Waser, N. Finney</i>
	Physical Chemistry 2 posters and 1 oral presentation Jury: <i>F. Merkt, R. Beck, E. Vauthey, J.-E. Moser</i>
	Polymers and Colloids 1 poster and 1 oral presentation Jury: <i>R. Mezzenga, H.-A. Klok</i>

DETAILED PROGRAM**Division of Analytical Chemistry****11.00–11.30 General Assembly of the members of the Division**

EPFL, CE 2

Chair: *Fritz Erni***11.30–12.15 Invited lecture**

EPFL, CE 2

Martin Schär

AC Labor Spiez

‘Analytical chemistry in the Bernese Oberland: Detection and identification of chemical warfare agents at the SPIEZ LABORATORY’

Abstract 2

12.15–13.00 Lectures

EPFL, CE 2

Abstracts 3–5

Chair: *Stefan Schürch***12.15–12.30 Isabel Lechner, D. Günther, B. Hattendorf, J. Hummel, M. Clauss**

University of Zurich, CH-8057 Zurich

ETH Zurich, CH-8093 Zurich

University of Bonn, Bonn, Germany

‘Investigating ruminant digestive physiology using element markers and ICP-MS’

Abstract 3

12.30–12.45 Carine Steiner, T. Keller, I. Burkard, A. Von Eckardstein, K. Rentsch

University Hospital Zurich, CH-8091 Zurich

‘HPLC-MS for the investigation of bile acids as potential new biomarkers’

Abstract 4

12.45–13.00 Aline Staub^{ab}, J. Schappler^{abc}, M. Saugy^{bc}, S. Rudaz^{ac}, J.-L. Veuthey^{ac}^aSchool of Pharmaceutical Sciences, University of Geneva, University of Lausanne, CH-1211 Genève 4^bCentre Universitaire Romand de Médecine Légale, CH-1066 Epalinges^cSwiss Centre of Applied Human Toxicology, University of Geneva, CH-1211 Genève 4

‘New insights in intact protein analysis with CE-TOF/MS’

Abstract 5

13.00–14.15 Poster Session

EPFL, CE 100

Abstracts 13–55

14.15–15.00 General Assembly of the members of the Swiss Chemical Society

EPFL, CE 6

15.15–17.00 Lectures

EPFL, CE 2

Abstracts 6–12

Chair: *Christian Staub***15.15–15.30 Hanspeter Andres, H. Haerri, B. Niederhauser, S. Wunderli, U. Feller**
Federal Office of Metrology METAS, CH-3003 Berne-Wabern
‘Proposed redefinition of the unit mole’
Abstract 6**15.30–15.45 Loïc Dayon, N. Turck, A. Scherl, D. F. Hochstrasser, P. R. Burkhard, J.-C. Sanchez**
University of Geneva, CH-1211 Geneva 4
‘Isobaric tagging-based selective quantitation of CSF proteins reporter calibration curves’
Abstract 7**15.45–16.00 Thomas Schmid, J. Stadler, R. Zenobi**
ETH Zurich, CH-8093 Zurich
‘Nanoscale imaging and chemical analysis using combinations of atomic force microscopy and Raman microspectroscopy’
Abstract 8**16.00–16.15 Marek Orzechowski, M. Meuwly**
University of Basel, CH-4056 Basel
‘Water in chromatographic interfaces – computational studies’
Abstract 9**16.15–16.30 Robert Brogioli, B. Hattendorf, D. Günther**
ETH Zurich, CH-8093 Zurich
‘Electrothermal treatment of laser generated aerosols: A route to online separation of elements for LA-ICPMS’
Abstract 10**16.30–16.45 Mélanie Abonnenc, J. Jossierand, H. H. Girault**
Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
‘Sandwich mixer-reactor: Influence of the diffusion coefficient and flow rate ratios’
Abstract 11**16.45–17.00 Julien Billeter, Y.-M. Neuhold, K. Hungerbühler**
ETH Zurich, CH-8093 Zurich
‘Spectral validation of rank deficient kinetic models’
Abstract 12**17.00–17.45 Coffee Break****17.45–18.00 Presentation of the Awards for Best Oral and Poster Presentations****Division of Medicinal Chemistry****11.00–11.10 General Assembly of the members of the Division**
EPFL, CE 5
Chair: *Hans Peter Märki***11.15–13.15 Lectures**
EPFL, CE 5
Abstracts 56–63
Chair: *Yves Auberson*

- 11.15–11.30 **Ralitz Boubeva**, A. Christiani, L. Pernot, R. Perozzo, L. Scapozza
School of Pharmaceutical Sciences, University of Geneva, University of Lausanne, CH-1211 Geneva
'Hydrophobic interactions influence the conformational prevalence of c-Src tyrosine kinase domain'
Abstract 56
- 11.30–11.45 **Joseph Schoepfer**^a, P. Chène^a, A. Massey^b, P. A. Brough^b, R. Cozens^a, C. Garcia-Echeverria^a, M. Lang^a, M. Wood^b, M. J. Drysdale^b, M. Rugaard Jensen^a
^aNovartis Pharma AG, CH-4002 Basel
^bVernalis Ltd, Cambridge, UK
'4,5-Diarylisoazole and 2-amino-thienopyrimidine Hsp90 chaperone inhibitors as antitumor agents'
Abstract 57
- 11.45–12.00 **Philipp Gersbach**, D. Sgier, F. Feyen, A. Jantsch, D. Neri, K.-H. Altmann
ETH Zürich, CH-8092 Zürich
'Mycolactones A and B: Total synthesis and generation of antibodies'
Abstract 58
- 12.00–12.15 **Jens Frackenpohl**^a, I. Adel^b, H. Antonicek^b, C. Arnold^b, N. Blaha^a, S. Hohmann^a, E. Peschel^b, T. Schencke^b, R. Velten^b, H.-C. Weiss^c
^aBayer CropScience AG, D-65926 Frankfurt, Germany
^bBayer CropScience AG, D-40789 Monheim, Germany
^cCurrenta GmbH, D-51368 Leverkusen, Germany
'Insecticidal heterolignans – Potent tubuline polymerization inhibitors with activity against chewing pests'
Abstract 59
- 12.15–12.30 **Laura M. Salonen**^a, D. W. Banner^b, F. Diederich^a
^aETH Zürich, CH-8093 Zürich
^bF. Hoffmann-La Roche Ltd., CH-4070 Basel
'Cation- π interactions in the S4 pocket of factor Xa'
Abstract 60
- 12.30–12.45 **Rainer Machauer**, S. Veenstra, K. Laumen, M. Tintelnot-Blomley, J.-M. Rondeau, O. Simic, C. Betschart, K. Zimmermann, P. Paganetti, U. Neumann
Novartis Institute for BioMedical Research, CH-4002 Basel
'Design and characterization of an *in vivo* active BACE inhibitor'
Abstract 61
- 12.45–13.00 **Olivier Schwardt**^a, H. Gächter^b, A. Vedani^a, Stefanie Mesch^a, G.-P. Gao^a, S. Kelm^b, B. Ernst^a
^aUniversity of Basel, CH-4056 Basel
^bUniversity of Bremen, D-28334 Bremen, Germany
'Examination of the biological role of sialic acid in gangliosides binding to the myelin-associated glycoprotein (MAG)'
Abstract 62
- 13.00–13.15 **Thomas J. Woltering**, L. Lundström, G. Adam, P. Huguenin, J. Wichmann, E. Borroni, F. Knoflach, S. Gatti, B. Kuhn
F. Hoffmann-La Roche Ltd., CH-4070 Basel
'Asymmetric synthesis and receptor pharmacology of the group II mGlu receptor ligand (1S,2R,3R,5R,6S)-2-amino-3-hydroxy-bicyclo[3.1.0]hexane-2,6-dicarboxylic acid – HYDIA'
Abstract 63
- 13.15–14.15 **Poster Session**
EPFL, CE 103
Abstracts 72–105
- 14.15–15.00 **General Assembly of the members of the Swiss Chemical Society**
EPFL, CE 6
- 15.00–17.00 **Lectures**
EPFL, CE 5
Abstracts 64–71
Chair: **Karl-Heinz Altmann**
- 15.00–15.15 **Silvia Anthoine Dietrich**, J. Gertsch, K.-H. Altmann
ETH Zürich, CH-8093 Zürich
'Total synthesis of new functionalized epothilone analogs for prodrug design and tumor targeting'
Abstract 64
- 15.15–15.30 **Erika Luethi**, K. T. Nguyen, J.-L. Reymond
University of Bern, CH-3012 Bern
'Synthesis and biological evaluation of novel NMDA receptor and glutamate transporter ligands guided by virtual screening of the chemical universe database GDB'
Abstract 65
- 15.30–15.45 **Caterina Bissantz**
F. Hoffmann-La Roche Ltd., CH-4070 Basel
'Molecular recognition – A drug designers' guide of non-covalent protein-ligand interactions'
Abstract 66
- 15.45–16.00 **Brian Cutting**^a, K. Johansson^b, H. Kovacs^a, S. Rabbani^b, B. Ernst^a
^aUniversity of Basel, CH-4056 Basel
^bBruker Biospin AG, CH-8117 Fällanden
'The H1 domain of the asialoglycoprotein receptor: Towards a structural understanding of receptor-mediated endocytosis'
Abstract 67
- 16.00–16.15 **Alexander Mayweg**, K. Amrein, D. Hunziker, B. Kuhn, W. Neidhart, M. Otteneder, A. Ruf, S. Tozzo, P. Verry
F. Hoffmann-La Roche Ltd., CH-4070 Basel
'11 β HSD1 inhibitors for type 2 diabetes'
Abstract 68

- 16.15–16.30 **Alexander Titz^a, A. Butsch^b, K. Paschinger^c, K. Nöbauer^d, T. Henner^e, B. Henrissat^f, M. Hengartner^b, I. B. H. Wilson^c, M. Künzler^a, M. Aebi^a**
^aETH Zürich, CH-8092 Zürich
^bUniversity of Zurich, Institute of Molecular Biology, CH-8057 Zürich
^cUniversity of Natural Resources and Applied Life Sciences, Vienna, Austria
^dUniversity of Veterinary Medicine, Vienna, Austria
^eUniversity of Zurich, Institute of Physiology, CH-8057 Zürich
^fUniversity Aix-Marseille I and II, France
 ‘Identification of a member of a novel galactosyltransferase family unravels the molecular basis of the nematotoxicity of galectin CGL2’
 Abstract 69
- 16.30–16.45 **Amandine Guillot, Y. Henchot, D. Guillaume, J.-L. Veuthey, P.-A. Carrupt, S. Martel**
 School of Pharmaceutical Sciences, University of Geneva, University of Lausanne, CH-1211 Geneva
 ‘Determination of the lipophilicity of Cyclosporin A by UHPLC’
 Abstract 70
- 16.45–17.00 **A. Enz^a, D. Feuerbach^a, Mathias U. Frederiksen^b, C. Gentsch^a, K. Hurth^b, W. Müller^b, J. Nozulak^b, B. L. Roy^b**
^aNovartis Institute for BioMedical Research, Neuroscience Disease Area, CH-4002 Basel
^bNovartis Institute for BioMedical Research, Global Discovery Chemistry-Neuroscience, CH-4002 Basel
 ‘Gamma-lactams – A novel scaffold for highly potent and selective $\alpha 7$ nicotinic acetylcholine receptor agonists’
 Abstract 71
- 17.00–17.45 **Coffee Break**
- 17.45–18.00 **Presentation of the Awards for Best Oral and Poster Presentations**
- Division of Chemical Research**
- 11.00–11.30 **General Assembly of the members of the Division**
 EPFL, CE 6
- Computational Chemistry**
- 11.30–13.15 **Lectures**
 EPFL, CE 106
 Abstracts 106–110
 Chair: **Jörg Hutter**
- 11.30–11.50 **Christoph R. Jacob, S. Luber, M. Reiher**
 ETH Zürich, CH-8093 Zürich
 ‘Analysis of vibrational spectra of polypeptides in terms of localized vibrations’
 Abstract 106
- 11.50–12.10 **Peter A. Limacher, S. Borini, H. P. Lüthi**
 ETH Zürich, CH-8093 Zürich
 ‘The effect of π conjugation on bond length alternation and (hyper)polarizability properties of polyacetylene oligomer chains’
 Abstract 107
- 12.10–12.30 **Nuria Plattner^a, J. D. Doll^b, M. Meuwly^a**
^aUniversity of Basel, CH-4056 Basel
^bBrown University, Providence, Rhode Island, USA
 ‘Spatial averaging: A new enhanced sampling scheme for condensed phase systems’
 Abstract 108
- 12.30–12.50 **Stephan N. Steinmann^a, G. Csonka^b, C. Corminboeuf^b**
^aEcole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
^bUniversity of Technology and Economics, 1521 Budapest, Hungary
 ‘Universal inter- and intramolecular empirical correction formula for generalized gradient approximation density functional theory’
 Abstract 109
- 12.50–13.10 **Stefano Borini, H. P. Lüthi**
 ETH Zürich, CH-8093 Zürich
 ‘COST molecular annotation project: A repository for data mining of molecular information’
 Abstract 110
- 13.15–14.15 **Poster Session**
 EPFL, CE 105
 Abstracts 117–128
- 14.15–15.00 **General Assembly of the members of the Swiss Chemical Society**
 EPFL, CE 6
- 15.00–17.00 **Lectures**
 EPFL, CE 106
 Abstracts 111–116
 Chair: **Claude Daul**
- 15.00–15.20 **Sabyashachi Mishra, M. Meuwly**
 University of Basel, CH-4056 Basel
 ‘Kinetics of ligand docking sites in truncated hemoglobin: Combining atomistic simulations and transition network analysis’
 Abstract 111
- 15.20–15.40 **Pablo Campomanes, P. J. Dyson, U. Röthlisberger**
 Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
 ‘Novel anticancer drugs and their interaction with non-classical targets: Insights from molecular dynamics simulations’
 Abstract 112
- 15.40–16.00 **Stefano Vanni, M. Neri, I. Tavernelli, U. Röthlisberger**
 Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
 ‘Insights into structure and function of aden-

- ergic receptors from all-atom molecular dynamics simulations'
Abstract 113
- 16.00–16.20 **B. Li, Cesare Mollica, J. Vaníček**
Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
'Efficient evaluation of accuracy of molecular quantum dynamics using dephasing representation'
Abstract 114
- 16.20–16.40 **Florian Senn, C. Daul**
University of Fribourg, CH-1700 Fribourg
'Calculation of chemical shift using LF-DFT'
Abstract 115
- 16.40–17.00 **Matija Zlatar^{ab}, C.-W. Schlöpfer^a, C. Daul^a**
^aUniversity of Fribourg, CH-1700 Fribourg
^bCenter for Chemistry, University of Belgrade, Serbia
'Density functional theory for the study of the multimode Jahn-Teller effect'
Abstract 116

17.00–17.45 Coffee Break**17.45–18.00 Presentation of the Awards for Best Oral and Poster Presentations****Inorganic and Coordination Chemistry**

- 11.30–13.15 Minisymposium in honor of Jean-Claude Bünzli**
EPFL, CE 6
Abstract 129–131
Chair: **Claude Piguet, Thomas Ward**
- 11.30–12.05 **David Parker**
Durham University, Durham, UK
'Tailored lanthanide optical probes'
Abstract 129
- 12.05–12.40 **Kenneth N. Raymond, E. G. Moore, A. P. S. Samuel, A. D'Aleo**
University of California, Berkeley, California 94720, USA
'Excitation and sequestration of the lanthanides, a coordination chemistry challenge'
Abstract 130
- 12.40–13.15 **Jean-Claude G. Bünzli**
Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
'Enlightening science and technology with lanthanide luminescence'
Abstract 131
- 13.15–14.15 Poster Session**
EPFL, CE SPO
Abstracts 142–247
- 14.15–15.00 General Assembly of the members of the Swiss Chemical Society**
EPFL, CE6

- 15.15–17.00 Lectures**
EPFL, CE 6
Abstracts 132–141
Chair: **Kay Severin, Xile Hu**
- 15.15–15.25 **Dafa Chen, B. Obrist, R. Scopelliti, X. Hu**
Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
'Iron carbonyl pyridonate complexes related to the active site of the [Fe]-hydrogenase (Hmd)'
Abstract 132
- 15.25–15.35 **K. M. Fromm^a, I. Hauser-Gerspach^b, R. Landmann^c, Tünde Vig Slensters^d**
^aUniversity of Fribourg, CH-1700 Fribourg
^bUniversity of Basel, Department of Prev. Dent. and Oral Microbiol., CH-4056 Basel
^cUniversity of Basel, Department of Biomedicine, CH-4056 Basel
^dUniversity of Basel, Department of Chemistry, CH-4056 Basel
'Nano-structured Ag-compounds as antimicrobial coatings'
Abstract 133
- 15.35–15.45 **Sébastien Rochat, J. Gao, K. Severin**
Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
'Fluorescence sensors for lithium ions or small peptides in water and serum'
Abstract 134
- 15.45–15.55 **Anna K. Renfrew, P. J. Dyson**
Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
'Ru(II)arene complexes as versatile antitumor agents'
Abstract 135
- 15.55–16.05 **Henrik Braband, Y. Tooyama, R. Alberto**
University of Zurich, CH-8057 Zurich
'Synthesis of high valent [^{99m}TcO₃]⁺ complexes and [3+2] cycloaddition reactions with alkenes in water as a novel direct labeling strategy'
Abstract 136
- 16.05–16.15 **Claudio Gandolfi, G. Morgan, M. Albrecht**
University of Fribourg, CH-1700 Fribourg
'Tailoring spin crossover in solution through molecular recognition sites'
Abstract 137
- 16.15–16.25 **Alexey Fedorov, L. Batiste, P. Chen**
ETH Zurich, CH-8093 Zurich
'Olefin cross-metathesis on gold'
Abstract 138
- 16.25–16.35 **Josef Hamacek**
University of Geneva, CH-1211 Geneva
'Design and properties of polynuclear Ln(III) complexes'
Abstract 139

16.35–16.45 *E. Baranoff, J. Il, M. Grätzel, Md. Khaja Nazeeruddin*
Ecole Polytechnique Fédérale de Lausanne,
CH-1015 Lausanne
'Tuning of emission wavelength by modification of main ligand in iridium complexes'
Abstract 140

16.45–16.55 **Robert Büchel**^{ab}, *W. Oliver*^a, *S. E. Pratsinis*^a,
A. Baiker^b
^aETH Zürich, Particle Technology Laboratory,
CH-8093 Zürich
^bETH Zürich, Institute for Chemical and
Bioengineering, CH-8093 Zürich
'The proximity of Pt in NO_x storage-reduction
catalysts'
Abstract 141

17.00–17.45 Coffee Break

17.45–18.00 Presentation of the Awards for Best Oral and Poster Presentations

Organic Chemistry

Session A1 Synthesis and catalysis

11.30–13.00 **Lectures**
EPFL, CE 1
Abstracts 248–253
Chair: *Karl Gademann*

11.30–11.45 **Roman Novikov, G. Bernardinelli, J. Lacour**
University of Geneva, CH-1211 Genève 4
'Highly enantioselective epoxidation of alkene and allylic alcohols using axially chiral iminium salts as catalysts'
Abstract 248

11.45–12.00 *C. Hamel, Evgeny V. Prusov, J. Gertsch, B. Schweizer, K.-H. Altmann*
ETH Zürich, CH-8093 Zürich
'Studies toward total synthesis and biological activity of *Xenicanes*'
Abstract 249

12.00–12.15 **Christine Hawner, K. Li, V. Cirriez, A. Alexakis**
University of Geneva, CH-1211 Genève 4
'Creation of quaternary aryl substituted asymmetric centers through conjugate addition'
Abstract 250

12.15–12.30 **Didier Zurwerra, J. Gertsch, K.-H. Altmann**
ETH Zürich, CH-8093 Zürich
'Total syntheses and SAR studies of (–)-Zampanolide and (–)-Dactylolide'
Abstract 251

12.30–12.45 **Chandra M. Rao Volla, R. Loska, P. Vogel**
Ecole Polytechnique Fédérale de Lausanne,
CH-1015 Lausanne
'Iron-catalyzed Mizoroki-Heck cross-coupling reaction with styrenes and oxidative coupling of tertiary amines with terminal alkynes'
Abstract 252

12.45–13.00 **Claudia J. Exner, P. Vogel**
Ecole Polytechnique Fédérale de Lausanne,
CH-1015 Lausanne
'One-pot double chain elongation and desymmetrization for synthesis of polyketide or polypropionate fragments'
Abstract 253

13.00–13.10 **Poster talks**
EPFL, CE 1
Abstracts 280–281
Valentina Aureggi, Abstract 280
Jean-Baptiste Langlois, Abstract 281

Session B1 Techniques, properties and mechanisms

11.30–13.00 **Lectures**
EPFL, CE 3
Abstracts 264–269
Chair: *Nathaniel S. Finney*

11.30–11.45 **Raffael Koller, K. Stanek, D. Stolz, R. Aardoom, K. Niedermann, A. Togni**
ETH Zürich, CH-8093 Zürich
'Zn-mediated formation of trifluoromethyl ethers from alcohols using hypervalent iodine trifluoromethylation reagents'
Abstract 264

11.45–12.00 *I. Fedotenko, P. L. Zaffalon, Andreas Zumbuehl*
University of Geneva, CH-1211 Genève 4
'Nonatural phospholipids'
Abstract 265

12.00–12.15 **Paola Romanoto, S. Duttwyler, A. Linden, K. K. Baldrige, J. S. Siegel**
University of Zurich, CH-8057 Zürich
'Intramolecular stabilized silylium ions: mechanism of interaction with different electron demanding substituents'
Abstract 266

12.15–12.30 **Luc Patiny**
Ecole Polytechnique Fédérale de Lausanne,
CH-1015 Lausanne
'www.mylims.org: My database of chemical information'
Abstract 267

12.30–12.45 **Silvia V. Rocha, N. S. Finney**
University of Zurich, CH-8057 Zürich
'Synthesis and photophysical characterization of alternating thiophene-pyridine oligomers'
Abstract 268

12.45–13.00 **Grégory Upert**^a, *C. Merten*^b, *H. Wennemers*^a
^aUniversity of Basel, CH-4056 Basel
^bLaboratoire de Biologie Chimique, ISIS / ULP,
67083 Strasbourg, France
'Nanoliter plates: new screening method in solution of 'one bead compound' libraries'
Abstract 269

13.00–13.05 **Poster talk**
EPFL, CE 1
Abstract 282
Jens Peter Hermes, Abstract 282

Sessions A & B

13.15–14.15 **Poster Session**

EPFL, CE SPO
Abstracts 283–373

14.15–15.00 **General Assembly of the members of the Swiss Chemical Society**

EPFL, CE6

Session A2 **Synthesis and catalysis**15.00–17.30 **Lectures**

EPFL, CE 1
Abstracts 254–263
Chair: **Jérôme Waser**

15.00–15.15 **Yue Zou^{ab}, Q. Wang^a, A. Goeke^b**

^aFudan University, 200433, Shanghai, P. R. China
^bGivaudan Fragrances (Shanghai) Ltd., 201203, Shanghai, P. R. China
‘The nonclassical carbocation problem in gold-catalyzed homo-Rautenstrauch cyclizations’
Abstract 254

15.15–15.30 **Sylvain Laclef, P. Vogel**

Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
‘Expeditious synthesis of *anti,anti*-dipropionate stereotriads. Application towards total synthesis of polypropionates’
Abstract 255

15.30–15.45 **Martina Austeri, D. Linder, J. Lacour**

University of Geneva, CH-1211 Genève 4
‘CpRu-catalyzed regio- and enantioselective decarboxylative allylic rearrangements’
Abstract 256

15.45–16.00 **T.-H. Liu, Claire-Lise Ciana, J. R. Brandt, M. J. Gaunt**

University of Cambridge, Cambridge, UK
‘Copper catalysed C–H arylation of electron rich aromatics’
Abstract 257

16.00–16.15 **Guillaume Lapointe, P. Renaud**

University of Bern, CH-3012 Bern
‘Broadening the scope of the radical carboazidation: Application to the synthesis of alkaloids’
Abstract 258

16.15–16.30 **Markus Wiesner, H. Wennemers**

University of Basel, CH-4056 Basel
‘Peptides as catalyst for asymmetric 1,4-addition reactions of aldehydes to nitroalkenes’
Abstract 259

16.30–16.45 **Marco Ranocchiari, A. Mezzetti**

ETH Zürich, CH-8093 Zürich
‘Asymmetric aziridination catalyzed by Ruthenium / PNNP complexes’
Abstract 260

16.45–17.00 **Tom M. Woods, H. Jesse, K. Gademann**

Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
‘Synthesis and biological evaluation of the neuritogenic steroidal lactone Withanolide A and its derivatives’
Abstract 261

17.00–17.15 **Tobias Seiser, O. A. Roth, N. Cramer**

ETH Zürich, CH-8093 Zürich
‘Enantioselective rhodium catalyzed C–C bond activations’
Abstract 262

17.15–17.30 **Michele Gatti, L. Vieille-Petit, X. Luan, A. Linden, R. Dorta**

University of Zurich, CH-8057 Zürich
‘Application of N,N'-naphthyl substituted saturated NHCs in Ru-catalyzed olefin metathesis reactions’
Abstract 263

Session B2 **Techniques, properties and mechanisms**15.00–17.30 **Lectures**

EPFL, CE 1
Abstracts 270–279
Chair: **Nathaniel S. Finney**

15.00–15.15 **Sergio Grunder, R. Huber, S. Wu, C. Schönenberger, M. Calame, M. Mayor**

University of Basel, CH-4056 Basel
‘New functional molecules for molecular electronics’
Abstract 270

15.15–15.30 **Derik K. Frantz, K. K. Baldrige, J. S. Siegel**

University of Zurich, CH-8057 Zürich
‘Molecular gears in parallel’
Abstract 271

15.30–15.45 **Fitore Kasumaj^a, J. R. Noyes^a, J. van Beck^b, A. Linden^a, K. K. Baldrige^a, B. H. Meier^b, J. S. Siegel^b**

^aUniversity of Zurich, CH-8057 Zürich
^bETH Zürich, CH-8093 Zürich
‘Molecular rod rotors and their solid state internal dynamics’
Abstract 272

15.45–16.00 **Karla Arias, E. Zysman-Colman, A. Linden, J. S. Siegel**

University of Zurich, C-8057 Zürich
‘Synthesis of the trefoil knot’
Abstract 273

16.00–16.15 **Viviana S. Fluxà, J.-L. Reymond**

University of Bern, CH-3012 Bern
‘Discovery of new antimicrobial cyclic peptides in a self-encoded 15'625 member combinatorial library’
Abstract 274

- 16.15–16.30 **Joyram Guin, J. Lacour**
University of Geneva, CH-1211 Genève 4
'Cationic helicenes in asymmetric synthesis and catalysis'
Abstract 275
- 16.30–16.45 **Rajesh Bhosale, A. Perez-Velasco, V. Ravikumar, R. S. K. Kishore, O. Kel, E. Vauthey, N. Sakai, S. Matile**
University of Geneva, CH-1211 Genève 4
'Ordered and oriented supramolecular surface architectures for soft photovoltaics'
Abstract 276
- 16.45–17.00 **Dean Markovic^a, A. Varela-Álvarez^b, J. Á. Sordo^b, P. Vogel^a**
^aEcole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
^bUniversidad de Oviedo, Principado de Asturias, Spain
'The endergonic ene-reaction of alkenes and SO₂ can now be used to prepare β, γ-unsaturated sulfones and sulfonamides'
Abstract 277
- 17.00–17.15 **Martin Lochner^a, H. Y. Hallaq^a, J. Menary^a, J. D. Stephenson^a, S. K. Vernekar^a, A. J. Thompson^b, S. C. R. Lummis^b**
^aUniversity of Warwick, Coventry, UK
^bUniversity of Cambridge, Cambridge, UK
'Synthetic neuroscience – Towards the chemical modification of a ligand-gated ion channel receptor'
Abstract 278
- 17.15–17.30 **Julien Chapelat, A. Chougnet, U. Hengartner, W.-D. Woggon**
University of Basel, CH-4056 Basel
'Diastereoselective synthesis of *nor* α-tocopherol'
Abstract 279
- 17.30–17.45 **Coffee Break**
- 17.45–18.00 **Presentation of the Awards for Best Oral and Poster Presentations**
- Physical Chemistry**
- 11.30–13.00 **Lectures**
EPFL, CE 4
Abstracts 374–379
Chair: **Rainer Beck**
- 11.30–11.45 **Jan C. Brauer^a, V. K. Thorsmølle^a, G. Rothenberger^b, D. Kuang^c, S. M. Zakeeruddin^b, M. Grätzel^b, J.-E. Moser^a**
^aPhotochemical Dynamics Group, Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
^bLaboratory of Photonics and Interfaces, Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
^cSun Yat-Sen University, Guangdong, 510275 China
- 11.45–12.00 **Cecilia Mondelli, A. Vargas, G. Santarossa, A. Baiker**
ETH Zürich, CH-8093 Zürich
'Chiral modification of platinum using peptides: Asymmetric induction in hydrogenation reactions'
Abstract 375
- 12.00–12.15 **P. Chen^a, J. H. Yum^a, F. De Angelis^b, E. Mosconi^b, S. Fantacci^b, S.-J. Moon^a, R. Humphry Baker^a, J. Ko^{ac}, Md. Khaja Nazeeruddin^a, M. Grätzel^a**
^aEcole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
^bUniversità di Perugia, I-06123, Perugia, Italy
^cKorea University, Chungnam 339-700, Korea
'High open-circuit voltage solid-state dye-sensitized solar cells with organic dye'
Abstract 376
- 12.15–12.30 **Piotr Fita, A. Punzi, M. Fedoseeva, E. Vauthey**
University of Geneva, CH-1211 Genève 4
'Local viscosity of binary water+glycerol mixtures at liquid/liquid interfaces studied by time-resolved second harmonic generation'
Abstract 377
- 12.30–12.45 **Régis Bisson, M. Sacchi, R. D. Beck**
Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
'State-resolved reactivity of CH₄(2v₃), CH₄(2v₂+v₄) and CH₄(v₁+v₄) on Pt(110)-1x2: Maximizing the projection on reaction coordinates from transition state structure'
Abstract 378
- 12.45–13.00 **Van-Thai Pham^a, W. Gawelda^c, C. Milne^a, A. El Nahhas^a, R. Van der Veen^{ab}, F. A. Lima^a, D. Vithanage^a, M. Reinhard^b, D. Grolimund^b, S. L. Johnson^b, P. Beaud^b, C. Bressler^a, M. Chergui^a**
^aEcole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
^bSwiss Light Source, Paul Scherrer Institute, CH-5232 Villigen
^cInstituto de Óptica "Daza de Valdés", CSIC, 28006 Madrid, Spain
'Solvation dynamics study on aqueous iodide using picosecond and femtosecond hard X-ray absorption spectroscopy'
Abstract 379
- 13.00–13.15 **Poster talks**
EPFL, CE 4
Abstracts 389–393
- Evalyn M. C. Alayon**, Abstract 389
Jun-Ho Yum, Abstract 390
Niels van Vegten, Abstract 391
Vincent Liegeois, Abstract 392
Julien Réhault, Abstract 393

- 13.15–14.15** **Poster Session**
EPFL, CE 101
Abstracts 394–450
- 14.15–15.00** **General Assembly of the members of the Swiss Chemical Society**
EPFL, CE6
- 15.00–17.15** **Lectures**
EPFL, CE 4
Abstracts 380–388
Chair: **Frédéric Merkt**
- 15.00–15.15 **Simone Ulzega^a, M. Verde^a, F. Ferrage^b, G. Bodenhausen^{ab}**
^aEcole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
^bEcole Normale Supérieure, 75231 Paris Cedex 05, France
'New methods in nuclear magnetic resonance: Application of relaxation phenomena to the study of local dynamics in biomolecules'
Abstract 380
- 15.15–15.30 **Renske M. van der Veen^{ab}, C. J. Milne^a, A. El Nahhas^a, F. A. Lima^a, V.-T. Pham^a, J. Best^c, J. A. Weinstein^c, C. N. Borca^b, R. Abela^b, C. Bressler^a, M. Chergui^a**
^aEcole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
^bSwiss Light Source, Paul Scherrer Institute, CH-5232 Villigen
^cThe University of Sheffield, UK
'Retrieving photochemically active structures by ultrafast optical and X-ray spectroscopies'
Abstract 381
- 15.30–15.45 **Marco Schade^a, A. Moretto^b, M. Crisma^b, C. Toniolo^b, P. Hamm^a**
^aUniversity of Zurich, CH-8057 Zurich
^bUniversity of Padova, 35131 Padova, Italy
'Energy transport in peptide helices after IR excitation of Leucine D-10'
Abstract 382
- 15.45–16.00 **Karen Keppler Albert^a, S. Albert^a, M. Quack^a, J. Stohner^b**
^aETH Zurich, CH-8093 Zurich
^bZurich University of Applied Sciences, CH-8820 Wädenswil
'High resolution infrared spectroscopy of oxirane carbonitrile'
Abstract 383
- 16.00–16.15 **Georgios Fradelos^a, J. Kaminski^a, T. A. Wesolowski^a, S. Leutwyler^b**
^aUniversity of Geneva, CH-1211 Genève 4
^bUniversity of Bern, CH-3012 Bern
'The cooperative effect of the hydrogen-bonded chains in the environment of a $\pi \rightarrow \pi^*$ chromophore'
Abstract 384
- 16.15–16.30 **Jinjun Liu^a, E. J. Salumbides^b, U. Hollenstein^a, J. C. J. Koelemeij^b, K. S. E. Eikema^b, W. Ubachs^b, F. Merkt^a**
^aETH Zurich, CH-8093 Zurich
- 16.30–16.45 **Jann A. Frey, M. Gasser, J. Hostettler, A. Bach, P. Chen**
ETH Zurich, CH-8093 Zurich
'Vibronic structure of the 3s and 3p Rydberg states of the allyl radical'
Abstract 386
- 16.45–17.00 **Caroline Seaiby, A. Svendsen, M. Guidi, O. V. Boyarkin, T. Rizzo**
Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
'Population transfer spectroscopy of protonated biological molecules in cold ion trap'
Abstract 387
- 17.00–17.15 **Michael Devereux, M. Meuwly**
University of Basel, CH-4056 Basel
'Modeling of vibrational relaxation and the vibrational Stark shift in protein electric fields'
Abstract 388
- 17.15–17.45** **Coffee Break**
- 17.45–18.00** **Presentation of the Awards for Best Oral and Poster Presentations**
- Division of Polymers and Colloids**
- 11.00–11.15** **General Assembly of the members of the Division**
EPFL, BS 160
Chair: **Harm-Anton Klok**
- 11.15–11.45** **Invited lecture**
EPFL, BS 160
Jean-François Gohy
University of Louvain-la-Neuve, B-1348 Louvain-la-Neuve, Belgium
'Self-assembly of hydrogen-bonded block copolymer complexes'
Abstract 451
- 11.45–12.45** **Lectures**
EPFL, BS 160
Abstracts 453–456
Chair: **Harm-Anton Klok**
- 11.45–12.00 **Bojana Apostolovic^a, S. Deacon^b, R. Duncan^b, H.-A. Klok^a**
^aEcole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
^bCenter for Polymer Therapeutics, Cardiff, UK
'Novel self-assembled polymer therapeutics based on coiled coil peptide sequences'
Abstract 453

- 12.00–12.15 **Jin-Mi Jung^a, R. Mezzenga^{ab}**
^aUniversity of Fribourg, CH-1700 Fribourg
^bNestlé Research Center, CH-1000 Lausanne 26
'Mesoscopic properties of amyloid protein fibers in water'
Abstract 454
- 12.15–12.30 **A. Trachsel, Andreas Herrmann**
Firmenich SA, CH-1211 Geneva
'Size is not all: Parameters affecting the release of tertiary alcohols from the surface of dendrimers and styloymers'
Abstract 455
- 12.30–12.45 **Patrick Ilg, H. C. Öttinger, M. Kröger**
ETH Zürich, CH-8093 Zürich
'Systematic coarse-graining the non-equilibrium dynamics of polymer melts'
Abstract 456
- 12.45–14.15 Poster Session**
EPFL, BS 170
Abstracts 463–479
- 14.15–15.00 General Assembly of the members of the Swiss Chemical Society**
EPFL, CE 6
- 15.00–15.30 Invited lecture**
EPFL, BS 160
Joannis K. Kallitsis
University of Patras, Greece
'Influence of the molecular structure on the properties and fuel cell performance of high temperature polymer electrolyte membranes'
Abstract 452
- 15.30–17.00 Lectures**
EPFL, BS 160
Abstracts 457–462
Chair: **Raffaele Mezzenga**
- 15.30–15.45 **Raphaël Barbey, H.-A. Klok**
Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne
'Post-modification of poly(glycidyl methacrylate) brushes'
Abstract 457
- 15.45–16.00 **Ilja K. Voets^{ab}, A. De Keizer^a, M. Cohen Stuart^a**
^aWageningen University, 6703 HB Wageningen, Netherlands
^bUniversity of Fribourg, CH-1723 Marly
'Opposites attract?! Hierarchical co-assemblies of block copolymers in aqueous solution'
Abstract 458
- 16.00–16.15 **Xiaoxuan Liu^{ab}, P. Rocchi^c, L. Peng^a**
^aCINaM CNRS UPR 3118, 13288 Marseille, France
^bWuhan University, Wuhan 430072, China
^cINSERM, U624, 13288 Marseille, France
'PAMAM dendrimer mediated siRNA delivery to target Hsp27 and induce potent gene silencing and anticancer activity in prostate cancer'
Abstract 459
- 16.15–16.30 **Lucio Isa, E. Amstad, M. Textor, E. Reimhult**
ETH Zürich, CH-8093 Zürich
'Dynamics of the self-assembly of polymer-coated ceramic nanoparticles at liquid-liquid interfaces'
Abstract 460
- 16.30–16.45 **Antoni Sánchez-Ferrer, R. Mezzenga**
University of Fribourg, CH-Fribourg
'Liquid-crystalline rod-coil di-, tri- and tetra-bloc copolymers'
Abstract 461
- 16.45–17.00 **Olivier Pravaz, H. Dietsch, P. Schurtenberger**
University of Fribourg, CH-1723 Marly
'Nanocomposites: tuning morphology, concentration and orientation of particles integrated within a polymethylmethacrylate matrix'
Abstract 462
- 17.00–17.45 Coffee Break**
- 17.45–18.00 Presentation of the Awards for Best Oral and Poster Presentations**