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Chemische
Gesellschaft**SSC**Société
Suisse
de Chimie**SCS**Swiss
Chemical
Societywww.scg.ch

Society News and Announcements

REVIEW SCS FALL MEETING 2015

Dinner and Award Ceremonies 2015

On the occasion of the Fall Meeting Dinner Prof. E. Peter Kündig, SCS President, awarded the SCS Prize Winners 2015. More than 50 guests from academia and industry joined the dinner at the Restaurant 'Le Petit Manoir' in Morges on September 3, 2015, and paid homage to the prize winners.



Grammaticakis-Neumann Award:
Prof. Natalie Banerji, University
of Fribourg



KGF-SCS Industrial Investigator
Award: **Dr. Dietmar Hüglin**, BASF
Schweiz AG



KGF-SCS Senior Industrial Inves-
tigator Award: **Dr. Michelangelo
Scalone**, F. Hoffmann La Roche



KGF-SCS Distinguished Industrial
Investigator Award: **Dr. Jürg Zim-
mermann**, Novartis Pharma AG



Sandmeyer Award: **Dr. Stefan Abele**, **Dr. Jacques-Alexis Funel** and
Dr. Gunther Schmidt from Actelion Pharmaceuticals Ltd, **Prof. Roger
Martí**, Hochschule für Technik und Architektur Fribourg, **Dr. Christian
Mössner**, **Mischa Schwaninger**, Swiss Process Safety, a member of
TÜV SÜD Group.

The dinner also offered good opportunities to strengthen the interaction between academia and industry and to discuss interdisciplinary topics. The dinner brought together representatives of the Fall Meeting Sponsors and Session Supporters from companies as well as university representatives from all field of chemical sciences.

Conference with Plenary Lectures, Parallel Sessions and Poster Sessions

On September 4, 2015, the traditional SCS Fall Meeting took place at EPF Lausanne and attracted about 750 participants from industry and academia. With more than 520 scientific contributions the Fall Meeting offered again a fantastic possibility to meet experts and specialists and to discuss about their latest research. But it also offered the chance to widen the scientific knowledge and to connect to other thematic fields for joint-projects.

Session	Posters	Lectures
Plenary Session		3
Analytical Sciences	34	12
Catalysis Science & Engineering	61	12
Computational Chemistry	30	13
Inorganic Chemistry	65	12
Medicinal Chemistry & Chemical Biology	61	14
Organic Chemistry	64	14
Physical Chemistry	52	13
Polymers, Colloids & Interfaces	48	13
Total Contributions	415	106

University/Company	Posters	Lectures
EPF Lausanne	72	19
ETH Zurich	94	23
University of Basel	51	11
University of Bern	24	4
University of Fribourg	23	4
University of Geneva	42	11
University of Lausanne	5	
University of Neuchatel	5	
University of Zurich	40	8
EMPA Dübendorf	6	2
Paul Scherrer Institute, Villigen	18	1
FHNW, MuttENZ	1	
HES-SO, Fribourg/Valais	4	1
ZHAW, Wädenswil	3	1
Non-Swiss University	19	7
Industry Switzerland	8	14
Total Contributions	415	106

For more details about presenters and titles of the given lectures and posters please see *CHIMIA* 2015, 69 (7–8), 447 ff.

All abstracts of the Fall Meeting 2015 are available on the website <http://scg.ch/fallmeeting/2015> or in the SCS Conference Tool on <http://chemistrycongresses.ch>.

I would like to take the opportunity to thank our Sponsors and Supporters:

General Sponsors: SCS Foundation, Qatar Environment & Energy Research Institute, EPF Lausanne, Swiss Academy of Sciences, Contact Group for Research Matters (KGF: BASF Schweiz AG, Novartis Pharma Schweiz AG, F. Hoffmann-La Roche AG, Syngenta Crop Protection AG)

Session Endowments: EPF Lausanne, School of Basic Sciences, Clariant International Ltd, Contact Group for Research Matters (KGF: BASF Schweiz AG, Novartis Pharma Schweiz AG, F. Hoffmann-La Roche AG, Syngenta Crop Protection AG), Actelion Ltd., Syngenta Crop Protection AG, Bruker BioSpin AG, Dow Europe GmbH.

Exhibitors: Advion Inc., Agilent Technologies Schweiz AG, Borer Chemie AG, Büchi Glas Uster, Büchi Lab Equipment AG, Chemie Brunschwig AG, Equilabo, IGZ Instruments AG, LOT Quantum Design, Merck Millipore Corp., Metrohm Schweiz AG, Perkin Elmer Inc., Setaram Instrumentation, TCI Europe N.V., Georg Thieme Verlag KG

Sponsors: Biazzi AG, Scientific Computing & Modelling NV (SCM), ChemistryViews

Winners of the Best Oral Presentation Award



The prizes were given for the two best presentations of each parallel session and Dr. Markus Tobler, CEO Metrohm Schweiz AG could award 15 young scientists for their excellent work.

Prizes for Winners

- cash contribution of CHF 500.00
- travel voucher of CHF 1'000.00 to attend an international conference.
- invitation to present the research in the laureates issue of CHIMIA.

Prizes for Runners-up

- cash contribution of CHF 400.00

Winners 2015

Analytical Sciences

- Winner: Andreas Riedo, University of Bern
- Runner up: Maria Cuartero, University of Geneva



Catalysis Science & Engineering

- Winner: Maximilian Moser, ETH Zurich
 - Runner up: René Kopelent, PSI Villigen
- Computational Chemistry
- Winner: Dorothea Golze, University of Zurich
 - Runner up: Riccardo Petraglia, EPF Lausanne
- Inorganic & Coordination Chemistry
- Winner: Mark Bispinghoff, ETH Zurich
 - Runner up: Ivan Buslov, EPF Lausanne
- Medicinal Chemistry & Chemical Biology
- Winner: Arman Nilforoushan, ETH Zurich
- Organic Chemistry:
- Winner: Johanna Auth, University of Basel
 - Runner up: Cyril Piemontesi, EPF Lausanne
- Physical Chemistry
- Winner: Franziska Balmer, University of Bern
 - Runner up: Estel Canet, EPF Lausanne
- Polymers, Colloids & Interfaces
- Winner: Adrian Najer, University of Basel
 - Runner up: Mykhailo Vybornyi, University of Bern

Winners of the Best Poster Presentation Award



The prizes were given for the two or three best posters of each session and Dr. Thomas Netscher, principal scientists at DSM, could award 24 young scientists for their excellent work.

Prizes for Winners

- cash contribution of CHF 500.00
- travel voucher of CHF 750.00 to attend an international conference.
- invitation to present the research in the laureates issue of CHIMIA.

Prizes for Runners-up

- cash contribution of CHF 300.00

Winners 2015

Analytical Sciences

- Winner: Jasmin Krismer, ETH Zurich
- Runner-up: Luc Patiny, EPF Lausanne

Catalysis Science & Engineering

- Winner: Lucas Alexander Stern, EPF Lausanne
- Runners-up: Michael Olah, University of Zurich, Giacomo Marco Lari, ETH Zurich

Computational Chemistry

- Winner: Stefan Knecht, ETH Zurich
- Runner-up: Akshaya Kumar Das, University of Basel



Inorganic & Coordination Chemistry

- Winner: Giacomo Cecot, EPF Lausanne
- Runners-up: Alexander Szentkuti, University of Zurich, Andreas Bünzli, University of Basel

Medicinal Chemistry

- Winner: Matthias Urfer, University of Zurich
- Runners-up: Geoffrey Schwertz, ETH Zurich, Kristina Goncharenko, University of Basel

Chemical Biology

- Winner: Anaëlle Dumas, University Paris-Sud
- Runner-up: Jonathan Simonin, University of Bern

Organic Chemistry

- Winner: Christoph Heinz, EPF Lausanne
- Runners-up: Patrick Isenegger, University of Basel, Oliver Dieter Engl, ETH Zurich

Physical Chemistry

- Winner: Heiner Sassmannshausen, ETH Zurich
- Runners-up: Christoph Nançoz, University of Geneva, Pascal Eberle, University of Basel

Polymers, Colloids & Interfaces

- Winner: Albert Albert, PSI Villigen
- Runners-up: Léon F. Scherz, ETH Zurich, André Matthieu, University of Fribourg



A special thank goes to **Prof. Sandrine Gerber** and her team from the EPF Lausanne who organized and chaired a perfect event and ensured a smoothly procedure throughout the whole day.

Visit the conference website's news section to see more photos of the event.

Outlook SCS Fall Meeting 2016

The next SCS Fall Meeting will take place at University of Zurich on September 15, 2016. The call for contributions opens in late February and will close on May 26, 2016.

<http://scg.ch/fallmeeting/2016>

NEWS

Professor Majed Chergui has been elected as Fellow of the European Physical Society.

The EPS is a major non-profit organization whose purpose is to promote physics and physicists in Europe. Founded in 1968, it includes members from 42 National Physical Societies in Europe, individuals from all fields of physics, and European research institutions, such as the Deutsche Physikalische Gesellschaft, the world's largest organization of physicists. The EPS also publishes *Europhysics Letters*, *Europhysics News*, and the *European Journal of Physics*.



Prof. Majed Chergui is Professor of Physics and

Chemistry at EPFL, where he pursues a variety of ultrafast UV and X-ray spectroscopic studies on chemical and biological systems. Since 2013, he has been Editor-in-chief of the open-access journal *Structural Dynamics*, created by the American Institute of Physics and the American Crystallographic Association.

With his election as Fellow, the EPS recognizes Professor Chergui "for his pioneering of novel ultrafast X-ray and ultraviolet spectroscopic tools, for the study of molecular and biomolecular dynamics in solutions, and for his engagement in promoting science in the developing world and in Europe."

Website of Prof. Chergui's Lab: <http://lsu.epfl.ch/>

Additional honors of Prof. Majed Chergui in 2015:

- Morino Lecturer, Morino Foundation for Molecular Sciences, Japan
- The Edward Stern Prize, International X-ray absorption Society-IXAS

Text: EPFL news channel, <http://actu.epfl.ch>

Prof. Petra Dittrich (ETHZ) wins Heinrich-Emanuel Merck Award for Analytical Science 2015



Prof. Petra Dittrich, a leading bioanalytical chemist, was awarded this year's Merck Award for her publication "Implementing enzyme-linked immunosorbent assays on a microfluidic chip to quantify intracellular molecules in single cells" in the journal *Analytical Chemistry*. The award is for chemists under the age of 45, working in particular

on developing new analytical methods and their applications in areas of human interest. Their work should be directed towards the improvement of our conditions of life, providing solutions to analytical problems in the areas of life sciences, material sciences or environment. The prize was awarded to Dittrich during the EuroAnalysis2015 Conference in Bordeaux, France, in September.

Prof. Dittrich received her education in Germany, in Bielefeld, and obtained top distinctions both for her undergraduate degree as well as for her PhD, which she completed in only slightly over 3 years in the group of Prof. P. Schuille at the Max Planck-Institute for Biophysical Chemistry (MPI Göttingen) in 2003, working on fluorescence correlation spectroscopy in microfluidic channels. Petra Dittrich then worked as a postdoc at the same institute until 2004, and subsequently became a project leader at the famous Institute for Analytical Sciences (ISAS) in Dortmund, where she was instrumental in a number of projects in the field of miniaturization and Lab-on-Chip-technology for single cell/single particle analysis and manipulation, and creation of artificial cells, biomimetic systems, and soft matter devices.

Petra Dittrich was appointed as an Assistant Professor for Bioanalytics to the Department of Chemistry and Applied Biosciences (D-CHAB) at ETH Zürich in 2008, where she rapidly built up an excellent and rather large research group. Because of her excellence both as a researcher and as a teacher, her non-tenure-track status was converted to tenure-track, and in 2014 she was promoted to be a tenured Associate Professor at ETH.

Petra Dittrich was a fellow of the Studienstiftung des Deutschen Volkes, the German Exchange Organization DAAD and the Christiane Nüsslein-Vollhard-foundation. In 2008 she received the Starting Grant from the European Research Commission (ERC) and in 2010, the Analytica Forschungspreis of the

German Society of Biochemistry and Molecular Biology (GBM), donated by Roche Diagnostics GmbH.

The paper the Merck Award was given for describes a method for the chemical analysis of lysates obtained from single cells. The method combines microfluidic cell trapping and isolation with the analytical power of immunoassays. Intracellular compounds could be specifically, sensitively, and quantitatively determined in both healthy cells and cells that were treated with chemical agents. Long and short term treatment, and incubation including repeated washing steps can be conveniently performed. This is the first study that reports on the successful quantification of intracellular proteins on the single cell level, without labelling of the target molecules. Due to the flexibility of immunoassays the method can be applied to numerous proteins or metabolites of interest, provided that specific antibodies are available. It is of great interest for the emerging fields of single cell proteomics and metabolomics and hence, serves as a versatile tool for systems biology.

Text: Prof. Renato Zenobi

GDCh awards Renato Zenobi, ETHZ, the Fresenius Prize 2015



Prof. Renato Zenobi, ETH Zurich, Switzerland, has been awarded the Fresenius Prize by the Gesellschaft Deutscher Chemiker (GDCh, German Chemical Society).

The award recognizes achievements in developing and promoting analytical chemistry. It was presented at the GDCh Wissenschaftsforum 2015 in Dresden, Germany, on September 1, 2015.

Professor Zenobi is honored for his contributions to nanoscale analytics and to combining microscopic and spectroscopic methods with mass spectrometry. His research interests include laser-based analytical chemistry, electrospray and laser-assisted mass spectrometry, ambient mass spectrometry, and near-field optical microscopy and spectroscopy.

Read the full article on www.chemistryviews.org

Text: ChemViews, Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim

Maurice Campagna elected as President of the Swiss Academies of Arts and Sciences



Prof. Maurice Campagna was elected as new President of the Swiss Academies of Arts and Sciences by their Delegate Assembly. In this capacity and elected for four years, he succeeds Thierry Courvoisier from January 1, 2016. With his broad-based experience in academic and entrepreneurial issues, Maurice Campagna is expected to realize an enhanced and interdisciplinary cooperation among the Swiss Academies of Arts and Sciences.

<http://www.akademien-schweiz.ch/en/index/Aktuell/News.html>

GDCh: Prof. Thisbe K. Lindhorst wird neue Präsidentin



Die derzeitige stellvertretende Präsidentin der Gesellschaft Deutscher Chemiker (GDCh), **Prof. Thisbe K. Lindhorst**, Christian-Albrechts-Universität zu Kiel, ist vom neuen Vorstand auf seiner konstituierenden Sitzung am 31. August 2015 in Dresden zur zukünftigen Präsidentin der Gesellschaft gewählt worden. Sie tritt ihr Amt am 1. Januar 2016 an und folgt damit

Dr. Thomas Geelhaar, Merck KGaA. Die stellvertretenden Präsidenten werden ab diesem Zeitpunkt Professor Dr. Katharina Al-Shamery, Carl von Ossietzky Universität Oldenburg, und Professor Dr. Herwig Buchholz, Merck KGaA, sein. Dr.-Ing. Georg F. L. Wießmeier, Altana AG, wurde erneut zum Schatzmeister bestimmt.

Pressemitteilung der GDCh vom 23.09.2015

ChemPubSoc Europe, program update

ChemistryOpen: ChemPubSoc Europe society member discounts and advantages of open-access publishing



You receive a 20% discount on the publication charge for Reviews, Full Papers, and Communications published in *ChemistryOpen* (IF: 3.25, 2015 JCR, Thomson Reuters),

the general-chemistry, open-access journal from ChemPubSoc Europe.

Publishing open-access is known to lead to greater visibility, which could lead to better usage of results and increased citation.

For more information about ChemistryOpen and about discounts and waivers (institutions where the charge is paid by a funder) on the website.

<http://www.chemistryopen.org/>

<http://www.wileyopenaccess.com/funders>

Much shorter publication times

All ChemPubSoc Europe journals have greatly reduced their publication times, the majority of which are now far below three months from submission to Early View publication.

EurJOC and *ChemMedChem* are leading with publication times averaging just two months.*

ChemBioChem, *ChemPhysChem*, *ChemElectroChem*, and *ChemPlusChem* can now publish 'Accepted Articles' where authors can choose to have the unedited version of their paper go online immediately after acceptance.

*Including peer review, author revision, copy editing, typesetting, and proofing - average data for January–August 2015.

<http://www.chempubsoc.eu>

Chemistry, A European Journal: Hot off the press – all the two's

During its 20th anniversary *Chemistry–A European Journal* publishes its 20,000th article, a Concept article by Neal K. Devaraj and co-workers in issue 36 on self-assembled hybrid artificial cells (<http://onlinelibrary.wiley.com/doi/10.1002/chem.201501229/abstract>) and its 200th Review article by Yusuke Yamauchi and co-workers in issue 38 on multi-stimuli-

responsive polymeric materials (<http://onlinelibrary.wiley.com/doi/10.1002/chem.201501101/abstract>). Read these two articles for free!

EPA PhD Prize in Photochemistry 2016, Call for nominations

The Fifth European Photochemistry Association (EPA) Prize for the best PhD thesis in PhotoChemistry will be attributed during the CECO 2016 meeting in Bad Hofgastein, Austria (February 13th – 17th 2016).

The prize is 1000 €, plus travel costs to Bad Hofgastein (within the limit of 300 €) AND one free year of EPA membership.

The candidate must have defended their PhD thesis in 2014 or 2015 and be nominated by an EPA member. Nominations for this prize are now open and all nominations should be sent directly to d.r.worrall@lboro.ac.uk. The closing date for the receipt of nominations: 31st December 2015.

More details on:

http://www.photochemistry.eu/phd_price.php

Chemie mit Globi: Globi forscht und entdeckt



Für alle Kinder (und Eltern) die schon lange wissen wollten, wie Leim oder ein Riesengummibärchen gemacht werden. Für alle, die gerne mehr verstehen möchten von der Welt, die uns umgibt.

Das Kindersachbuch «Chemie mit Globi» erschien zum internationalen Jahr der Chemie 2011. Das Buch aus der «Wissen»-Serie der Glo-

bibücher lädt Kinder ab dem ersten Lesealter ein, zusammen mit Globi die Chemie zu entdecken. Es zeigt viele spannende und grundlegend wichtige chemische Phänomene, denen die Kinder im Alltag und in der Natur begegnen. Kleine Geschichten erzählen, wie Globi Chemie erlebt und chemische Vorgänge entdeckt. Sachtexte erklären, was warum geschehen ist. Anhand vieler spannender Experimente können Kinder chemische Phänomene selbst auf einfache, ungefährliche Weise nachvollziehen.

ISBN: 978-3-85703-007-9

Year: 2011

SCS Lectureship 2015: Prof. Huw Davies, Emory University, Atlanta (US)



‘Collaborative Approach for C-H Functionalization’

- Tue, Dec 1, 2015, 17.30h; University of Basel, St.-Johanns-Ring 19, Kleiner Hörsaal OC
- Wed, Dec 2, 2015, 17.15h; EPF Lausanne, ISIC, Avenue Forel 2, Lecture hall BCH 2218
- Thu, Dec 3, 2015, 16.30h; University of Geneva, Sciences-II, 30 quai Ernest-Ansermet, Auditorium A-100
- Fri, Dec 4, 2015, 17.15h; University of Berne, DCB, Freiestrasse 3, Lecture hall EG16
- Mon, Dec 7, 2015; ETH Zurich, Hönggerberg, Vladimir-Prelog-Weg 10, Hönggerberg, time and lecture hall tbd.
- Tue, Dec 8, 2015, 17.00h; University of Zürich, Irchel Campus, Winterthurerstrasse 190, Lecture hall Y15-G-19

A WARM WELCOME TO OUR NEW MEMBERS!

Period: 29.08.2015 – 25.09.2015

Philipp Ansorge, Dachsberg-Wilfingen (D) – Alessandra Antonucci, Chavannes-près-Renens – Mojdeh Banafsheh, Lausanne – Lucinda Batchelor, Lausanne – Olivier Baudoin, Mulhouse (FR) – Ardemis Boghossian, Lausanne – Kristopher Brown, Amherst, NH (US) – Elsa Callini, Lausanne – Paola Caramenti, Ecublens – Martina Causa, Fribourg – Andrew Clark, Ecublens – Stella Diafa, Bern – Samuel Espy, Genève – Jonathan Grolms, Evian-Les-Bains (FR) – Lyndsey Hendriks, Zürich – Albert Hofstetter, Lausanne – Karla Lienau, Zürich – Yvan Mongbanziana, Fribourg – Thomas Müntener, Doerflingen – Frederik Neuhaus, Fribourg – Bartosz Rozmyslowicz, Lausanne – Jesus Ruiz, Lausanne – Naomi Sakai, Geneva – Juno Siu, London, N17 9PW (GB) – Valentin Soulard, Bern – Abdusalom Suleymanov, Echandens – Alexandra Wiesler, Bad Bellingen (D) – Thomas Zehnder, Zürich – Asier Zubiaga, St. Gallen.



SCS

Division of
Analytical Sciences

Weiterbildung Analytik

Trenntechnik

Analytische Anwendungen

Methoden der Life Sciences

Qualitätssicherung

InCompany Trainings

Titel	Ort	Termin	Code
Quality by Design in the Analytical Laboratory	Basel/Novartis	29.10.2015	QS-12
Säulen, Phasen und Trennoptimierung in der HPLC – Ergänzungskurs	Dübendorf	02.–03.11.2015	TR-10
Einführung in die Surface Plasmon Resonance	Dübendorf	10.11.2015	LS-1
Enantioselektive chromatographische Trennmethode	Dübendorf	10.11.2015	TR-14
GC für Fortgeschrittene: Einspritztechniken in Theorie und Praxis	Schlieren	10.–11.11.2015	TR-4b
Interpretationstraining für IR-Spektren	Biel-Benken	13.11.2015	SP-10a
Röntgenfluoreszenz in der praktischen Anwendung	Dübendorf	16.11.2015	SP-3
Isolierung und Reinigung von Proteinen	Basel	17.–18.11.2015	LS-3
Kombinierte Interpretation von ein- und zweidimensionalen NMR-, IR- und Massenspektren	Dübendorf	18.11.2015	SP-11
Akkreditierung von Prüflaboratorien - ISO 17025	Dübendorf	18.11.2015	QS-6
(Real-time) PCR-Analytik	Dübendorf	20.11.2015	LS-2
GC-Troubleshooting	Dübendorf	24.–25.11.2015	TR-5
Qualifizieren von Analysengeräten	Dübendorf	26.11.2015	QS-7
Validieren von IT Systemen - NEU	Dübendorf	27.11.2015	QS-15

Es freut uns, Ihnen das Weiterbildungsprogramm 2015, das wir zusammen mit dem Centre de Compétence en Chimie et Toxicologie Analytiques (CCCTA) realisiert haben, vorzustellen.

Einzelmitglieder der folgenden Fachverbände können unsere Kurse zum vorteilhaften Mitgliedertarif besuchen:

Fachverband Laborberufe (FLB), Gesellschaft Deutscher Chemiker (GDCh), Schweizerische Arbeitsgemeinschaft für Spektrometrie und Elementaranalytik (SASP), Schweizerischer Chemikanten- und Chemisten-Verband (SCV), Schweizerische Gesellschaft für Lebensmittel- und Umweltchemie (SGLUC), Schweizerische Gruppe für Massenspektroskopie (SGMS) und Schweizerischer Verband Diplomierter Chemiker (SVC).

Falls Sie sich für unsere Veranstaltungen interessieren, erreichen Sie uns unter Telefon **058 765 52 00** oder Fax **058 765 58 01** oder mailen Sie an verena.schmid@eawag.ch. Online-Anmeldung im Internet unter: www.scg.ch/kurse

InCompany Training – Individuelle Beratung und Schulung

Im Rahmen des Weiterbildungsprogramms organisieren oder erarbeiten wir gemeinsam mit Ihnen InCompany-Schulungen und -Trainings nach Ihren Vorstellungen und Bedürfnissen. Profitieren Sie davon, dass wir für Sie

- Inhalte an firmenspezifische Anforderungen und Wünsche anpassen
- Frage- und Problemstellungen in Ihrem Einsatzgebiet gezielt behandeln
- praktische Übungen gegebenenfalls an Ihren Geräten durchführen
- Trainings bei Bedarf auch in französischer oder englischer Sprache durchführen

Ein weiterer Vorteil der InCompany-Trainings: für Ihre Mitarbeiterinnen und Mitarbeiter fallen keine Reise- und Übernachtungskosten an!

Experten stehen Ihnen für eine persönliche Bedarfsabklärung und Beratung gerne zur Verfügung.

Sie erreichen uns über
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