



SCS  
Swiss Chemical  
Society

## Annual Report 2014

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### Editorial

In 2014 the main focus of the SCS board and its members was to fully implement the measures that were discussed, decided and developed since the strategy workshop in early 2012. On one hand we improved and further developed existing offers on the other hand we implemented new programs for existing but also new target groups.

The SCS Lectureships were one of the new actions on offer. The SCS stepped in after CUSO decided to discontinue this very successful program. Three lecture tours were organized in late 2013. In 2014 already six world-class scientists visited Switzerland under this program and gave research lectures at five universities each.

To stimulate interaction between Swiss industry research and development leaders and between them and academia, the SCS, in collaboration with Clariant, organized the first R&D heads network event in Basel. This evening of discussions proved very constructive and this very successful event will be continued in 2015.

One of the major projects with high impact was the implementation of the new SCS Conference Tool that allows us to provide conference services in a very efficient way. Streamlining the submission and processing of the Fall Meeting abstracts was successfully enhanced and this proved a great help to the chairs of the sessions. The event that has grown to reach about 600 contributions in eight parallel sessions urgently called for a professional solution.

Apart from the highlights mentioned above we implemented the following offerings/projects over the past twelve months:

- Acquisition of 5% ownership of 'Chemistry a European Journal' from GDCh to actively participate in the ChemPubSoc journal consortium;
- Transfer of all divisional event websites to the SCS web platform and aligning all external SCS communication;
- Reduced fees for subscriptions to Thieme's Römpp Encyclopedia for SCS members;
- Network to our corporate members, sponsors and supporters to ensure a viable relationship with the SCS;
- Reactivation of the active cooperation with Verlag Helvetica Chimica Acta (VHCA).

With pleasure we can look back on a very successful year.

In 2015 we will continue our efforts to extend our offers and to further improve our support for the chemical community. Many thanks to all who enthusiastically helped us to realize SCS projects and to the industry and organizations that provided sponsorship.

Prof. E. Peter Kündig  
President

David Spichiger  
Executive Director

### SCG Events 2014 at a Glance

David Spichiger

- |             |   |
|-------------|---|
| 24.-26. Jan | 12 <sup>th</sup> Swiss Snow Symposium of SYCA, Saas Fee   |
| 10. Apr     | DIAC General Assembly, Lonza Visp   |
| 19. Apr     | SCS Spring Meeting: «Frontiers in Organic Chemistry», General Assembly, University of Fribourg. This top-level event, organized by Prof. Christian Bochet and his team, was outstandingly successful. |
| 22. May     | DMCCB Mini-Symposium «Kinetics and Thermodynamics in Drug Discovery, University of Basel  |
| 20. Jun     | PolyColl, Annual Meeting of the DPCI  |

- |            |  |
|------------|--|
| 10. Sep    | Award Ceremonies and VIP-Dinner of the SCS Fall Meeting, Zurich          |
| 11. Sep    | SCS Fall Meeting, University of Zurich                                   |
| 18. Sep    | APPLICA, «Separation and Detection - New Developments and Trends», Basel |
| 12-17. Oct | 11. Swiss Course on Medicinal Chemistry, Leysin                          |

### SCS Award Winners 2013

David Spichiger

The SCS awarded nine individuals and one group for their outstanding contributions. A total sum of CHF 76'000 as well as medals and award certificates were given to the prizewinners.

#### Paracelsus Prize

CHF 20'000 and medal in gold; awarded to an internationally outstanding scientist for his/her lifetime achievements in chemical research. The award was given to



**Prof. Richard R. Schrock**, Massachusetts Institute of Technology (US), for his seminal work in synthetic and mechanistic organo-transition metal chemistry.

The award lecture took place at the SCS Fall Meeting, University of Zurich, September 11, 2014.

#### Werner Prize

CHF 10'000 and medal in bronze; awarded to a promising young scientist for outstanding independent chemical research. The award was given to



**Prof. Clémence Corminboeuf**, EPF Lausanne,

for developing and applying state of the art computational and theoretical methods for interpreting and solving chemical problems in complex systems,

and



**Prof. Jérôme Waser**, EPFL Lausanne, for the development of novel synthetic methods and strategies to construct complex structures of potential biological interest.

The two Werner Award lectures were part of the SCS Spring Meeting program, University of Fribourg, April 24, 2014.

#### Grammaticakis-Neumann Prize

CHF 5'000; awarded to a promising young scientist for outstanding independent research in photochemistry, photo physics or molecular photobiology. SCS honored

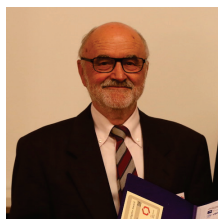


**Dr. Erwin Reisner**, University of Cambridge (UK), for his research combining synthesis, photochemistry, photophysics, and molecular photobiology to develop artificial photosynthesis.

The award lecture took place at the SCS Fall Meeting, University of Zurich, September 11, 2014.

**KGF-SCS Distinguished Industrial Investigator Award**

CHF 15'000; awarded to honor senior R&D scientists in Switzerland for their lifetime achievements. The award was given to



**Dr. Hans-Ulrich Blaser**, for his outstanding contributions to the development of highly selective and efficient catalysts for the industrial production of bioactive chiral compounds and for the leading role he played in asymmetric catalysis in both industry and academia.

**KGF-SCS Senior Industrial Investigator Award**

CHF 10'000; awarded to honor very successful and established investigators in Switzerland with outstanding achievements over many years. KGF and SCS honored



**Dr. Werner Neidhart**, F. Hoffmann La Roche, for his contributions to medicinal chemistry and the creation of multiple candidate drugs, particularly Endothelin antagonists Avosentan and Clazosentan and the marketed Bosentan/Tracleer.

**KGF-SCS Industrial Investigator Award**

CHF 7'000; awarded to honor successful investigators with outstanding achievements. The award was given to



**Dr. Wolfgang Jahnke**, Novartis Institutes for BioMedical Research, Basel, for his excellence in developing and applying biomolecular NMR spectroscopy and fragment-based lead discovery, resulting in crucial contributions to several drug discovery projects

and



**Dr. Andreas Natsch**, Givaudan Schweiz AG, for his thorough investigation into the chemistry, biochemistry and microbiology of axilla malodor, culminating in the suppression of malodor causing processes and in the development of bacterial fragrance release from new families of odorant precursors.

All KGF-SCS award lectures took place at the SCS Fall Meeting, University of Zurich, September 11, 2014.

**Sandmeyer Award**

CHF 20'000; awarded to a person or to a group for outstanding work in industrial or applied chemistry.



The award was given to **Dr. Harald Walter**, **Dr. Hans Tobler**, **Dr. Camilla Corsi**, **Dr. Denis V. Gribkov** from Syngenta Crop Protection Munchwilen AG, for their successful and innovative efforts in discovering, developing, and producing new broad-spectrum agrochemical fungicides



The award lecture took place at the SCS Fall Meeting, University of Zurich, September 11, 2014.

**Dr. Max Lüthi Award**

CHF 1,000 and medal in bronze; presented for an outstanding diploma thesis in Chemistry conducted at a Swiss University of Applied Sciences. SCS awarded

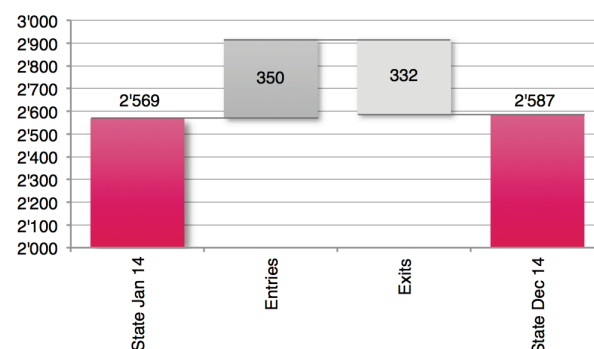
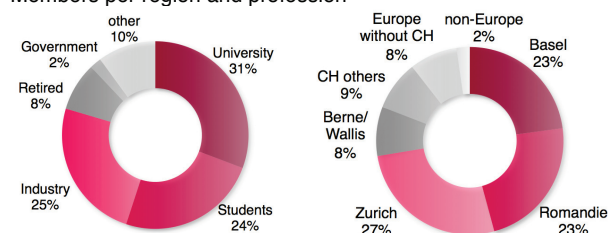


**Yannick Stöferle**, ZHAW, for his Bachelor thesis on the synthesis and spectroscopic analysis of chiral halomethanes and oxiranes.

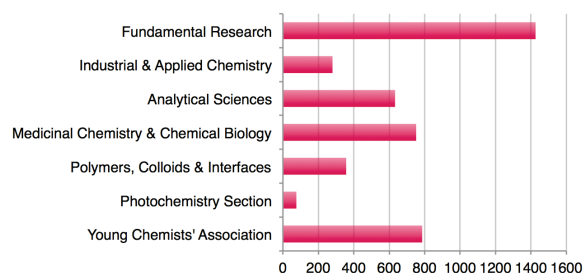
The award was handed over on the occasion of the 6<sup>th</sup> Wädenswiler Chemietag on June 24, 2014.

**Member Statistics (December 2014)**

Development of members 2014: +18


**Members per region and profession**


Members per SCS Division (multiple subscription per member possible)


**Executive Board and Board of Directors**

David Spichiger

**Executive Board ExB**

- Prof. E. Peter Kündig, University of Geneva  
SCS President
- Dr. Alain De Mesmaeker, Syngenta Crop Protection AG  
SCS Vice President
- Dr. Roland Kunz, University of Zurich  
President CHIMIA
- Dr. Hans Peter Lüthi, ETH Zurich  
SCS Treasurer
- David Spichiger, Swiss Chemical Society  
SCS Executive Director

**Board of Directors BoD** (in addition to the ExB members)

- *Dr. Yves Auberson*, Novartis Pharma AG  
President Division of Medicinal Chemistry
- *Prof. Christophe Copéret*, ETH Zurich  
Responsible for national and international relations
- *Prof. Sandrine Gerber*, EPF Lausanne  
Member of the board
- *Prof. Christian Hinderling*, ZHAW  
President Division of Polymers, Colloids & Interfaces
- *Prof. Gérard Hopfgartner*, University of Geneva  
President Division of Analytical Sciences
- *Dr. Cédric Invernizzi*, LABOR SPIEZ  
Member of the board
- *Prof. Philippe Renaud*, University of Bern  
President Division of Fundamental Research
- *Dr. Bernhard Urwyler*, Syngenta Crop Protection AG (new)  
President Division of Industrial & Applied Chemistry
- *Dr. Martin Vollmer*, Clariant International Ltd  
Member of the board

*Dr. Walter Jucker*, DSM, stepped down as DIAC President at the DIAC annual meeting in April 2014. His successor is *Dr. Bernhard Urwyler*. *Prof. Philippe Renaud* handed over the presidency of DFR to *Prof. Christian Bochet* with effect of January 1, 2015. We would like to thank them very much for their contributions to the success of the society and their divisions.

**Supporters of the Swiss Chemical Society and the SCS Foundation**

With sincere thanks we would like to honor our main sponsors for their generous support. Thanks also go to all our divisional event sponsors that supported the SCS during the year.

	<b>NOVARTIS</b>	KGF, Kontaktgruppe für Forschungsfragen
	<b>Roche</b>	<ul style="list-style-type: none"> <li>▪ Gold Supporter of the SCS</li> <li>▪ Support of the award programm (Paracelsus Prize, Werner Prize, Balmer Prize)</li> <li>▪ Support of divisional Events</li> </ul>
	<b>syngenta</b>	
	<b>BASF</b> The Chemical Company	
	<b>ACTELION</b>	<ul style="list-style-type: none"> <li>Actelion</li> <li>▪ Bronze Supporter of the SCS Foundation</li> </ul>
	<b>Metrohm</b>	<ul style="list-style-type: none"> <li>Metrohm Stiftung</li> <li>▪ Sponsor Best Oral Presentations at the Fall Meeting</li> </ul>
	<b>DSM</b> NUTRITIONAL PRODUCTS DIVISION	<ul style="list-style-type: none"> <li>DSM Nutritional Products SA</li> <li>▪ Sponsor Best Posters at the Fall Meeting</li> </ul>
	<b>sc nat</b> Swiss Academy of Sciences Académie des Sciences et Lettres Accademia di Scienze e Lettere Académie des Sciences et Lettres	Support Organizations and project sponsors
	<b>SATW</b> Swiss Academy of Technology Académie des Sciences et Lettres Accademia di Scienze e Lettere Académie des Sciences et Lettres	

**Society's activities and Head Office**

[www.scg.ch](http://www.scg.ch)

*David Spichiger*

**R&D Heads Network event, Basel**

The SCS supported the initiative of Clariant's CIO, Martin Vollmer, to organize an event for R&D heads and directors of chemistry departments of Swiss universities. The program included a short presentation by each participant, a lecture given by Rafael Cayuela and individual discussions during the dinner. The goal was to provide a platform within the SCS network to strengthen the interaction and knowledge exchange between industrial research and development heads and between industry and academia in Switzerland. More than 20 participants

accepted the invitation and confirmed the benefit of such an event.

**Share in ChemPubSoc**

SCS acquired 5% of the shares of Chemistry a European Journal (CEJ) as of Jan 1, 2014 and upgraded its status simultaneously from a supporting Society of ChemPubSoc to full membership. The 5% share in CEJ was acquired from the GDCh for EUR 62.50 per share. SCS members profit from reduced annual subscriptions on all ChemPubSoc journals. [www.chempubsoc.eu](http://www.chempubsoc.eu).

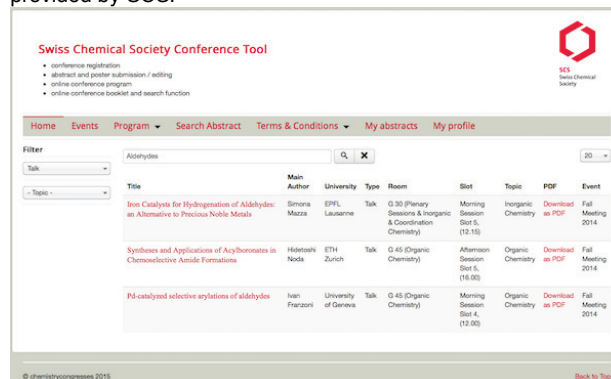

**Collaboration agreement with Thieme and RÖMPP**

As of Jan 1, 2014 SCS members can get a personal subscription to the new online version of the RÖMPP encyclopedia at a reduced annual fee of CHF 175 for regular members and CHF 75 for students.

**SCS Conference Tool**

Participants and invited lecturers of the Fall Meeting could register and submit their abstract for the first time online via the newly implemented tool. The online service allowed us to provide an interactive program and helped the organizers to save time in the review and approval process.

The tool is designed to be used for all kinds of conferences provided by SCS.


**Increased support from the Head Office for SCS Divisions**

The support of divisional activities is one of the key factors for a successful society. The head office increased its support namely in the following fields:

- Centralized sponsoring for the Spring and Fall Meeting
- Communication support for divisional events (e.g. flyers, newsletters, forms and webpages)
- Centralized billing process and finance controlling.

**CHIMIA**

[www.chimia.ch](http://www.chimia.ch),

[www.ingentaconnect.com/content/scs/chimia](http://www.ingentaconnect.com/content/scs/chimia)

*Dr. Roland Kunz, Chairman of the Editorial Board*

**CHIMIA**

This year's issues were again organized and supervised by recognized specialists. It is with great pleasure that I thank them for all their voluntary work. Our guest editors in 2014 in the order of their appearance were: Prof. Hans-Beat Bürgi (University of Bern) and Prof. Katharina M. Fromm (University of Fribourg), Prof. Detlef Günther (ETH Zurich) and Prof. Gérard Hopfgartner (University of Lausanne and University of Geneva), Prof. Sandrine Gerber (EPF Lausanne), Prof. Roger Alberto (University of Zurich), Prof. Ryan Gilmour (Westfälische Wilhelms-Universität Münster, Germany) and Prof. Dieter Seebach (ETH Zurich), Prof. Clémence Corminboeuf (EPF Lausanne) and Prof. Markus Reiher (ETH Zurich), Dr. Patrick Edder and Dr. Didier Ortelli (Food and Veterinary Control Authority, Geneva), Prof. Dr. Vera Slaveykova and Dr. Serge Stoll (University of Geneva), Dr. Peter Burckhardt (EVA Basel and Basel Inkubator).



In 2014 (volume 68) SCS published ten CHIMIA issues with the following topics:

- 1-2 Crystallography, Past, Present, Future
- 3 Mass Spectroscopy in Switzerland
- 4 Laureates of the SCS Fall Meeting 2013
- 5 Foundations of Coordination Chemistry – Alfred Werner
- 6 Fluorine Chemistry
- 7-8 Laureates of SCS awards and SCS Fall Meeting 2014
- 9 Computational Chemistry in Switzerland
- 10 Food Analysis
- 11 Environmental Chemistry
- 12 Life Science Start-Ups in Switzerland

Program and the laureate articles of the SCS Fall Meeting as well as a report of the SCS Spring Meeting were again the annually recurring fix points in the editorial program. It was the first time that the abstracts did not appear in print but only as supplementary material after the conference. This change gives the organizers additional flexibility and reduces costs as well. Conference reports and regular columns like the Swiss Science Concentrates, Highlights of Analytical Chemistry, Highlights in Polymer and Colloids Chemistry, contributions from the Universities of Applied Sciences and of the Swiss Academy of Sciences complement the topical part.

2014 was Dr. Manuel Koller's first independent year as Managing Editor. It was also the last term for the Editor-in-Chief Prof. Jérôme Lacour. He joined the Board in 2005 and took the heading position in 2011. His 4-year term saw a refreshing new mix of topics, that made CHIMIA a well-received journal. We are very grateful for his continuing and successful engagement in spite of his extra duties as a vice dean and now dean at the University of Geneva.

Prof. Paul J. Dyson is acting as Editor-in-Chief as of issue 1, 2015. Prof. Thomas Ward stepped down from the EB this year. Prof. Robert Häner who will take over the organization of the column "Swiss Science Concentrates" replaces him.

We also received the demission from Dr. Peter Maienfisch (Advertisement) and Prof. Karl-Heinz Ernst (News). Peter Maienfisch will leave us by the end of 2015. Karl-Heinz Ernst will leave the board as soon as possible. Contrary to the position of Peter Maienfisch, no successor could yet be found for the position of a news editor. Volunteers for this position please contact the chairman.

## EuCheMS

www.euchems.org

David Spichiger and David Cole-Hamilton  
(via EuCheMS Newsletter 1/2015))



### About EuCheMS

EuCheMS acts as a single independent voice for chemistry in Europe. EuCheMS advises the European Parliament and Commission on chemistry topics and promotes excellence in European research via continuous collaboration with the European Research Council. The organization ensures that chemistry is well represented in European projects and responds to a variety of consultations from the European institutions on chemistry topics, such as water, phosphorus or mercury. EuCheMS runs the biennial European Chemistry Congress and has divisions and working parties, which run biennial conferences and summer schools in most areas of chemistry as well as other activities. It awards a range of European prizes and lectureships for chemistry and together with the European Chemistry Thematic Network Association (ECTN) promotes high quality teaching of chemistry in European universities.

In 2014 EuCheMS published 4 Newsletters and a monthly EuCheMS Brussels News Update.

### Delegates of the Swiss Chemical Society

- Prof. Heinz Berke, Universität Zürich  
Member of the Working Party on Chemistry and Energy
- Prof. Jeff Bode, ETH Zürich  
Member of the Division of Organic Chemistry
- Prof. Thomas Bürgi, Université de Genève  
Member of the Division of Physical Chemistry
- Prof. Urban Frey, HESSO/VS  
Member of the Division of Analytical Chemistry
- Prof. Walter Giger, EAWAG  
President of the Division of Chemistry and the Environment
- Prof. Michael Graetzel, EPFL  
Member of the Working Party HORIZON 2020
- Dr. Thomas Gude, SQTS/Migros  
Member of the Division of Food Chemistry
- Dr. Klemens Koch, Seeland Gymnasium Biel  
Member of the Division of Education
- Dr. Hans-Peter Lüthi, ETH Zurich  
Member of the Division of Computational Chemistry
- Prof. Clément Mazet, Université de Genève  
Member of the Division of Organometallic Chemistry
- Prof. Umberto Piantini, HEVS  
Member of the Division of Food Chemistry
- Prof. Kay Severin, EPFL  
Member of the Division of Inorganic Chemistry
- Prof. Roland Sigel, University of Zurich  
Member of the Division of Chemistry in Life Science

As per End of 2014 Walter Giger stepped down as President of the Division of Chemistry and the Environment. Thanks a lot for all the valuable contributions. He stays in the divisional board as past president for one year.

### EuCheMS General Assembly, Toruń (POL), Oct 22-24, 2014

After the approval by the government, EuCheMS implemented the new constitution according to Belgium law. The organization is now officially transferred to Brussels and the office, managed by Nineta Majcen, is fully operative.

Prof. David Cole-Hamilton took over the presidency from Prof. Ulrich Schubert at the end of the assembly and will lead EuCheMS at least for the next three years.



Nineta H. Majcen, Francesco de Angelis, Ulrich Schubert and David Cole-Hamilton (from left) present the new constitution.

### Division of Fundamental Research DFR

www.scg.ch/dfr/

Prof. Philippe Renaud

### Conferences and Activities

#### SCS Spring Meeting, University of Fribourg

The Spring Meeting 2014 took place in Fribourg on April 24 superbly organized by Christian Bochet. The topic of the meeting was "Frontiers in Organic Chemistry" including lectures by Dean Toste (Berkeley), Matthew Gaunt (Cambridge), Andreas Pfaltz (Basel), Erik J. Sorensen (Princeton) and Tobias Ritter (Harvard). Two lectures by the 2014 SCS Werner prize winners were presented by Clémence Corminboeuf and Jérôme Waser both from EPF Lausanne. The meeting was a great success with about 250 participants.

#### SCS Fall Meeting, University of Zurich

The Fall Meeting took place on September 11 at the University of Zürich perfectly organized by has Peter Lüthi (ETH Zürich) and Ferdinand Wild (Uni. Zürich) and their dedicated team. With 570

scientific contributions in the fields of Analytical Sciences, Catalysis Science & Engineering, Computational Chemistry, Inorganic & Coordination Chemistry, Medicinal Chemistry & Chemical Biology, Organic Chemistry, Physical Chemistry, and Polymers, Colloids & Interfaces, the meeting was a huge success. The busy program consisted of a good combination of invited lectures, oral, and poster presentations. The following award lectures were given during the meeting: KGF-SCS Distinguished Industrial Investigator Award Lecture by Hans Ulrich Blaser; the KGF-SCS Senior Industrial Investigator Award Lecture by Werner Neidhart (F. Hoffmann-La Roche); the KGF-SCS Industrial Investigator Award Lecture by Andreas Natsch (Givaudan); the KGF-SCS Industrial Investigator Award Lecture by Wolfgang Jahnke (Novartis Institutes for Biomedical Research); the Sandmeyer Award Lecture by Harald Walter (Syngenta Crop Protection); the Grammaticakis-Neumann Award Lecture by Erwin Reisner, (University of Cambridge): Finally, the highlight of the Fall meeting was certainly the Paracelsus Award Lecture by Richard R. Schrock (Massachusetts Institute of Technology) who spoke about "The Olefin Metathesis Reaction - Approaching Fifty Years of Age". Beside the award lecture, a large importance was attributed to oral and poster presentations by junior scientists. The top contribution were distinguished by The Best Oral Presentation Awards (sponsored by Metrohm) and by the Best Poster Presentation Awards (sponsored by DSM).



Winners of the Best Poster Presentation Award 2014

The awarded research works will be presented in the April 2015 issue of CHIMIA. The organization of this event would not have been possible without the support of the following generous sponsors: Actelion, BASF, Bruker, Clariant, Dow Chemical, IBM, INEOS, Merck Serono, Novartis, Qatar Foundation, Roche, Syngenta, Metrohm Foundation, DSM Nutritional Products, ETH Zürich, University Zürich, and SCNAT Swiss Academy of Sciences.

#### Support to conferences

The DFR has supported financially via direct contributions and deficit guarantees the following manifestations:

- Conference on Cold and Controlled Molecules and Ions (Monte Verità);
- EuroBic-12 Conference (Zürich);
- SACC Spring Meeting (Basel);
- 49th EUACHEM Conference on Stereochemistry (Brunnen).

#### SCS Lectureships

The SCS lectureship program has been launched in 2013 under the coordination of Thomas Bally. In 2014, the program reached its cruising speed and proved to be very successful. The following lecturers were invited to give a one week lecture tour visiting up to five different Swiss institutions in 2014: Peter Sadler (Warwick); Peter Schreiner (Giessen); Mark MacLachlan

(Vancouver); Keiji Morokuma (Kyoto); Varinder Aggarwal (Bristol); Sukbok Chang (KAIST Daejeon).

#### Changes in the Board

The DCR board has met twice in May and October to coordinate the activities of the division. The following changes have taken place:

- Peter Belser (Uni. Fribourg), Hubert Girault (EPF Lausanne) and Jacques-Edouard Moser (EPF Lausanne) left the board.
- Simona Mazza replaced Alexander Tskhovrebov as representative of the Swiss Young Chemists' Association.
- Christian Bochet was elected as Vice-President of the Division and will become President of the Division in January 2015.

#### Outlook 2015

- Spring Meeting in Basel "The Chemistry of Complex Systems" on April 24
- SCS Fall Meeting in Lausanne on September 4.
- Conferences organized in Switzerland will be supported according to the same rules as in the past, more information can be found on the division website.
- SCS-Lectureship program: about 8 lecture tours will be organized.

### Photochemistry Section PCS

*Dr. Silvio Canonica*

#### Conferences and Activities

##### CECP 2014

The seventh Central European Conference on Photochemistry, CECP 2014, was held in February 2014 in Bad Hofgastein, Austria. This well-established and recognized conference, taking place every second year, was co-organized by Prof. Christian Bochet (University of Fribourg) on behalf of the Photochemistry Section. A further highlight of the contribution from Switzerland to this conference consisted in the invited plenary lecture by Prof. Oliver Wenger (University of Basel) on "Proton-coupled electron transfer with photoexcited metal complexes".

##### General Assembly of PCS

At the General Assembly of the Section, held in Zurich on 11 September 2014, the intention to start a yearly recurrent series of one-day meetings on Photochemistry was emphasized. The Executive Committee was reconfirmed.

#### Outlook 2015

- Organization of a one-day meeting on photochemistry in Switzerland.
- Contributing to the organization of the Central European Conference in Photochemistry in Bad Hofgastein (Austria) February 2016.

### Swiss Young Chemists' Association SYCA

[www.scg.ch/syca](http://www.scg.ch/syca)

Simona Mazza

#### Conferences and Activities

##### 12<sup>th</sup> Swiss Snow Symposium

From the 11<sup>th</sup> to the 13<sup>th</sup> of February 2014 the Swiss Snow Symposium organized by the Swiss Young Chemists' Association took place for the second time in Saas Fee (VS). Sixty people among Ph.D. students, young researchers and professors coming from every Swiss university shared their ideas and scientific results in the cozy atmosphere of hotel Alphubel. Also this 12<sup>th</sup> edition exhibited a high participation rate with a total of 47 contributions divided into 17 talks and 30 posters presented.

On the first day, after the welcome speech of the SYCA president Alexander G. Tskhovrebov, an interesting overview on polymers in our daily life was given by the invited speaker Dr.

Sebastian Mirtschin, young researcher in BASF, followed by the stimulating talk of Prof. Xile Hu (EPFL) about base metal catalysis for synthesis and energy storage. During the first evening three Ph.D. students presented their work and the day ended with the poster session.

On Saturday the second part of the symposium started with Prof. Martin Lochner (University of Bern) who fascinated the audience with his talk "Toolomics – molecular probes for studying and modifying ion channels and receptors". The next invited speaker was Dr. Daniel Häussinger (university of Basel) with his interesting talk entitled: "Useful radicals – or how to gain useful structural information by paramagnetic NMR spectroscopy". Ten presentations from PhD students followed, and the day concluded with the poster session and the assignment of the best oral presentation and best poster prizes.

#### *Visit to the DuPont R&D facility in Meyrin.*

On May 22, 2014, 22 PhD students participated to the visit to the DuPont R&D facility in Meyrin (GE). After arriving at the European Technical Centre in Meyrin (GE), we were treated to a presentation about DuPont as a company, its history and heritage and the scope of its operations in Switzerland and the rest of the world. We were then taken on a tour of the facility and had the opportunity to visit DuPont's R&D facilities including new plastics development, casting and blow moulding, and carbon fibre composite development. It was an interesting, eye-opening and greatly informative chance for SYCA members to gain valuable first-hand insight into the interface between chemistry research and industrial application.

#### **New members in the board (as per 11.09.2014)**

- President: Simona Mazza
- Vice President: Charlotte Laupheimer
- Treasurer: Genevieve Lau
- Secretary: Cornel Fink

#### **Outlook 2015**

- 13<sup>th</sup> Snow Symposium in Saas Fee (Jan 23-25, 2015)
- Industry visits in Spring (BASF, Roche or Metrohm)

### **Division of Analytical Sciences DAS**

[www.scg.ch/das/](http://www.scg.ch/das/)

*Prof. Gérard Hopfgartner*

#### **Activities, Symposia, Conferences, Projects**

##### *APPLICA 2014*

The event was organized on the 18<sup>th</sup> of September in Basel by Christian Beerli, Christian Baumli and Roland Looser. The 7<sup>th</sup> edition of the meeting was dedicated to News trends in separation and detection in particular in liquid chromatography, capillary electrophoresis, 2D-liquid chromatography and mass spectrometric detection.

##### *Conference Support*

The DAS support BioTech 2014 an interdisciplinary conference on bioprocess analytics and sensor technology which was held on 4 and 5 September 2014 at the Zurich University of Applied Sciences, Wädenswil, Switzerland.

The DAS supported also the analytical sessions of EuCheMS Chemistry Congress 2014 in Istanbul.

##### *Journals*

The DAS is co-owner of the Analytical Bioanalytical Chemistry journal which has now reached an impact factor of 3.578.

Veronika Meyer successfully coordinates, the Highlights of Analytical Chemistry in Switzerland column in CHIMIA which presents analytical research in Switzerland

##### *Continuous education courses*

The continuous education team of the DAS organized in collaboration with the Centre de Compétences en Chimie et Toxicologie Analytiques (ccCTA) ([www.cccta.unige.ch/](http://www.cccta.unige.ch/)) courses on continuous in education in analytical chemistry. Thanks an excellent

organization and an attractive program the courses are very well attended. The continuous education team is composed by Ernö Pretsch, Verena Schmid, Peter Oggenfuss, Roland Looser and Bernard Schreiber.

#### **Changes in the Board**

- Bernard Schreiber left the board and the continuous education team after many years of activities and the DAS is grateful for his numerous and valuable contributions.
- Peter Oggenfuss and Christophe Meyer joined the board of the DAS.

#### **Outlook 2015 (max. 2 lines per issue)**

- The DAS organizes 42nd Symposium of High Performance Liquid Chromatography and Related Techniques, which will be held, June 21-25, 2015 at the International Conference Center Geneva (CICG) in Geneva ([www.hplc2015-geneva.org](http://www.hplc2015-geneva.org)). *HPLC is one of the largest conferences in analytical chemistry.*
- The second Edition of *CHanalysis*, a meeting of Swiss analytical scientists will be held on April 10-11, 2015 in Beatenberg. The goal is to stimulate a stronger cooperation among persons working in the different areas of analytical sciences.

### **Division of Industrial & Applied Chemistry DIAC**

[www.scg.ch/diac/](http://www.scg.ch/diac/)

*Dr. Bernhard Urwyler*

#### **Activities, Symposia, Conferences, Projects**

##### *Annual Meeting of DIAC, Visp on April 3<sup>rd</sup> 2014:*

The annual DIAC meeting took place at LONZA in Visp (VS). Dr. Kerstin Bodemann and Dr. Stefan Widmer, welcomed the participants and presented LONZA, which is a global leader in the life science markets. Stefan Widmer introduced the locations at Visp. The story of LONZA started 1897 in Gampel (VS). 10 years later the first chemical production started in Visp. Today 2650 employees work on site, including 160 apprentices. Lonza is a leading custom manufacturer and supplier of fine chemicals. Lonza Visp has 30 production buildings with approx. 111 installations. Lonza Visp contributes to more than CHF 1 Billion sales. It is the biggest manufacturing site of the Lonza Group.

Dr. Brian Schwegler introduced the participants into the world of solvent recovering and recycling. The interesting technical lecture presented Lonza recycling capabilities. Only 10'000 tons of solvent wastes out of 50'000 tons, can be recycled at Visp's solvent recovery centre. Regulatory aspects are limiting the accepted qualities. Therefore Lonza's recycling centre is offering recycling capacity for customer solvents, on demand.

The Q&A and final discussion proved the participants interests of this topic. At lunch time LONZA Visp offered to all participants an excellent meal in the traditional guest restaurant „Café Stzacheslki“. The afternoon was then fully reserved for the site visits in the Small Scale and Large Scale Production.



*As one of his last activities, the immediate past president Dr. Walter Jucker, welcomed the participants in Visp at the annual meeting on LONZA's manufacturing site.*



#### Discussion board with representatives of several HES:

In a joint meeting with the HES-representatives, M. Hürzeler FHNW, Ch. Hinderling, "Studiengangleiter" ZHAW and S. Schmid, "Studiengangleiter" HEV Sion, the DIAC board discussed possibilities to make industrial and applied chemistry more attractive for young chemists and chemical engineers. Some common future activities have been agreed, such as a) Animation of discussions with students about Bachelor and Master Diplomas, including the chances of employability on the actual job market. B) To lead discussions with professors regarding the needs of the competences of the chemical industry. C) To organize Min-workshops for students at different universities or HES, aiming discussions about actual topics of industrial and applied chemistry, but also the advantages of being a member of SCS and DIAC.

#### DIAC workshop at BASF Ludwigshafen:

The DIAC board updated its strategy and defined the main activities for 2015 in a two-day workshop at BASF in Ludwigshafen (D). One of our main activities in 2015 will be a more selective membership promotion. Hence process research chemists and departments will be integrated into our target lists. DIAC confirmed at the workshop a special Chimia issue in 2016 (combined with ILMAC issue). A proposal on how to sustain and finance longer term the "Sandmeyer Preis" was prepared in order to present it to the SCS board. The Freiburger Symposium will increase the sponsoring of the meeting and finance with the incomes the Sandmeyer price. Hence a deficit guarantee has been put into the budget of the "Ausbildungsfond" to finance the Sandmeyerpreis in case of lower income result at the Freiburger Symposium.

#### Changes in the Board

- Since April 2014, Walter Jucker turned to a political assignment after 15 years of member of the board and left therefore the DIAC board.
- Bernhard Urwyler, was elected as new president of the DIAC division and so succeeded Walter Jucker.
- Rudolf Pfluger stepped down after 13 years as member of the DIAC board. He was member of the ILMAC organization committee and a specialist for technical transfer from universities to industry.
- Mauricio Ranzi, CIMO, Stephan Gentner, DSM and Thomas Heinz, Novartis, have been elected to the DIAC board unanimously and will replace the leaving board members.
- Remo Gamboni member of the DIAC board has been elected to the SCS award board, replacing Xenia Beyrich-Graf.
- All other DIAC board members have been re-elected unanimously.

#### Outlook 2015

- Annual Meeting DIAC 2015 will take place at the Schweizer Salinen in Schweizerhalle on March 12th.
- The 12th Freiburger Symposium will take place on April 23rd and 24th. The main Topic: "Smart Solutions in the Chemical Process & Product Development Case Studies from the Chemical Industry".
- New attractions will be the Sandmeyer award ceremony, and the invited lecture given by Richard Ridinger, CEO of the LONZA Group, both will be integrated in the Freiburger Symposium 2015.
- Intensification of relationship to Universities of Applied Sciences and process research groups will be one of our main focuses. Therefore the DIAC is planning to be present at the SCS Fall Meeting.
- DIAC will organize in September 2015 a next working sessions at a HES and/or university, inviting selected students locally (orientation: applied chemistry) to a discussion including an Apéro.



DIAC board during the workshop at BASF in Ludwigshafen (D).

## Division of Medicinal Chemistry & Chemical Biology DMCCB

[www.scg.ch/DMCCB/](http://www.scg.ch/DMCCB/)  
 Dr. Yves Auberson

### Activities, Symposia, Conferences, Projects

#### Mini-symposium on "Kinetics and Thermodynamics in Drug Discovery"

The symposium took place on May 22 at the University of Basel, and was well-attended, with over 130 participants. A panel of five speakers discussed the principles of drug binding, and their application to the chemical optimization of both reversible and covalent inhibitors. ([scg.ch/ktdd2014](http://scg.ch/ktdd2014))

#### 11<sup>th</sup> Swiss Course on Medicinal Chemistry

The Course took place on October 12-17 in the beautiful village of Leysin. It focused on modern aspects of small molecule drug discovery, highlighting the relevance of hit generation, lead finding and lead optimization technologies. Lectures, case studies and tutorials provided high-quality material for learning or refreshing knowledge about these critical aspects of drug discovery, to 91 participants registered from 17 countries. ([scg.ch/leysin/2014](http://scg.ch/leysin/2014))

#### Changes in the Board

- Prof. Beat Ernst left the Board after many years of active contribution; in particular, his efforts in developing and developing the Swiss Course on Medicinal Chemistry will leave an enduring and inspiring legacy.
- Dr. Georg Jaeschke succeeded Dr. Manfred Kansy (also from Roche) as Board member and delegate to the EFMC.
- Dr. Jérôme Cassayre (Syngenta) joined the Board to represent agrochemistry, a discipline closely related to medicinal chemistry and chemical biology.

#### Outlook 2015 (max. 2 lines per issue)

- Joint German-Swiss Meeting on Medicinal Chemistry, March 15-18, 2015 in Marburg, Germany ([scg.ch/events](http://scg.ch/events))
- Joint French-Swiss Symposium "The expanding toolbox of Medicinal Chemistry: From chemical biology to clinical applications" October 16, 2015 in Dijon, France. ([scg.ch/events](http://scg.ch/events))

## Division of Polymers, Colloids & Interfaces DPCI

[www.polycoll.ch](http://www.polycoll.ch) / [www.scg.ch/DPCI/](http://www.scg.ch/DPCI/)  
 Christian Hinderling

### Conferences and Activities

#### DPCI Ph.D. Award

The thesis of Dr. Johannes Maximilian Haberl titled "Magnetic Liquid-Crystalline Elastomers" was recognized with the annual Ph.D. thesis award.

#### PolyColl Meeting 2014.

The meeting took place on June 20th at the EMPA Akademie and was organized by Frank Nüesch and Dorina Opris. 8 invited speakers presented recent progress in the field. Three short talks by candidates for the Ph.D. thesis, the Ph.D. award ceremony and a well-visited poster session rounded off this successful meeting.

### Chimia

The Division published three Polymer & Colloid Chimia this year.

### PCI Session at the SCS Fall Meeting 2015, University of Zurich

At the fall meeting a lively exchange took place in the form of 52 poster contributions, 8 talks of regular speakers, two invited speakers and 6 rapid poster-talks.

### Outlook 2014

- Polycoll meeting in spring/summer 2015
- Ph.D. award 2015
- Column in Chimia: DPCI Highlight

## Swiss Association of Computational Chemistry SACC

Jürg Hutter, President

### Activities, Symposia, Conferences, Projects

#### SACC Spring Meeting

The Association held its Spring Meeting on February 13, 2014 in Basel. There were five invited talks given by Prof. Markus Elstner (Karlsruhe), Dr. Tibor Nagy (Basel), Prof. Ursula Röthlisberger (EPFL), Prof. Markus Reiher (ETHZ), and Prof. Matteo Del Peraro (EPFL). The meeting was on the topic of "Chemical Reactivity and Dynamics". A poster session was organized, giving young scientists, mainly PhD students and post-doctoral students, an opportunity to present their research.

#### SACC at the SCS Fall Meeting

As in earlier years, the SACC Fall Meeting coincided with the SCS Fall Meeting, held at the University of Zurich on September 11. The session on Computational Chemistry was organized by Profs. Jürg Hutter (UZH) and Markus Reiher (ETHZ). There was a total of 11 contributed talks and an invited presentation by Prof. Sabre Kais, Qatar Environment and Energy Research Institute, Doha, Qatar, on "Light Matter Interaction: The role of quantum coherence in energy transfer". In addition a poster session (33 posters) was held.

### Changes in the Board

PD Dr. Piero Macchi is new representative of University of Bern, replacing Prof. Sam Leutwyler

### Outlook 2015

- The Association will hold its Spring Meeting on February 9, 2015 at ETH Zurich. The program includes a series of contributed talks/posters and invited scientific talks on the general topic of Computational Materials Science.
- The SACC Fall Meeting will be held as part of the SCS Fall Meeting at EPF Lausanne.

## Verein Schweizerischer

### Naturwissenschaftslehrer VSN:

www.vsn.ch, www.sspns.ch, www.asisn.ch

Dr. Klemens Koch

### Conferences and Activities

- Weiterbildungskurse Dünnschicht-Chromatographie an Schulen in Zusammenarbeit mit der Firma CAMAG.
- Journée de démonstrations de chimie à l'EPFL de la Commission Romande de Chimie.
- Diverse Weiterbildungskurse der Commission Romande de Biologie

### Number of Members and trend

- Members as per 31.12.2014: 454
- Tendency over the past 5 years: leicht abnehmend

### Changes in the Board

- Neueintritte: Marie-Pierre Chevron (Commission Romande de Biologie) und Andreas Bartlome (Deutschschweizer Chemiekommision)
- Austritte: Anne Arnoux (Commission Romande de Biologie) und Stefan Bosshard (Deutschschweizer Chemiekommision)

### Outlook 2015

- Zentralkurs Chemie 2015 an der Kantonsschule Schaffhausen, 14. bis 16. Oktober 2015
- Diverse Weiterbildungskurse der Kommissionen
- Journée de démonstrations de chimie à l'EPFL de la Commission Romande de Chimie.

## GSASA, Schweizerischer Verein der Spital- und Amtsapotheker

www.gsasa.ch

Dr. Susanna Kussmann



### Tagungen, Konferenzen und weitere Aktivitäten

#### Fortbildung

Im Frühling 2014 organisierte die GSASA eine Diskussionsrunde zur Revision des im 2008 geschaffenen Fähigkeitsprogramms in klinischer Pharmazie. Die dabei entwickelte Stossrichtung für die Revision wurde an der Generalversammlung im November gutgeheissen. Per Generalversammlung 2015 soll das überarbeitete Fähigkeitsprogramm in klinischer Pharmazie fertiggestellt werden.

#### Politischen Diskussionen

Besonders hervorzuheben sind folgende zwei Themen:

- Im Rahmen der Revision des Heilmittelgesetzes (HMG): Arzneimittelinformationen in strukturierter, Datenbank-basierter Form für elektronische Prozesse, und
- Im Rahmen des Bundesgesetz über das elektronische Patientendossier (EPDG).

#### Revision HMG

Das Hauptanliegen ist die Schaffung einer gesetzlichen Grundlage dafür, dass die Arzneimittelinformationen vollständig, strukturiert und in garantierter Qualität zur Verfügung stehen.

#### eHealth

Die GSASA ist von der Kommission für soziale Sicherheit und Gesundheit des Nationalrates Mitte Oktober zu einer Anhörung zum Bundesgesetz über das elektronische Patientendossier (EPDG) eingeladen worden und hat bei dieser Gelegenheit betont, dass wenn das ePatientendossier zur Erhöhung der Patientensicherheit beitragen soll, die Medikationsliste (inkl. vergangener Medikation) als Ganzes für Ärzte und Apotheker einsehbar sein muss.

#### Parenteralia Risk Assessment Tools (PSAT)

Die Pilotphase des PSAT wurde im 2014 abgeschlossen und das nationale Projekt an der Generalversammlung im November gestartet. Das PAST gibt den Spitalern in erster Linie die Möglichkeit, Qualitätslücken und Risiken in der Anwendung von Parenteralia (injizierbare Arzneimittel) aufzuspüren und entsprechende Massnahmen zur Risikoverminderung einzuleiten.

#### 2. Schweizerischer Apothekerkongress, Interlaken

Vom 2.-4. November 2014 fand in Interlaken der 2. Schweizerische Apothekerkongress statt, co-organisiert durch die GSASA und pharmaSuisse inkl. des pharmActual Symposiums. Gegen 600 Personen haben an diesem Anlass teilgenommen.

### Mitglieder

- Mitglieder per 31.12.2014: 446 (+24 ggü 2013)



### Ausblick 2015

- Vom 25. November 2015 findet die GSASA HV im Kongresshaus Zürich statt, gefolgt vom traditionellen GSASA Kongress am 26. und 27. November 2015.
- Wie jedes Jahr organisiert die GSASA auch im Frühsommer 2015 Fortbildungstage für Spital-Pharma-Assistentinnen, zwei in der Deutschschweiz und zwei in der Romandie.

### Swiss Society for Food and Environmental Chemistry SSFEC/SGLUC

www.sgluc.ch

Dr. Hans Jörg Bachmann, President

**SGLUC**  
**SSCAE**  
**SSCAA**  
**SSFEC**

### Conferences and Activities

#### Conference "Water in Food Production", Solothurn

Our main activity was the organization of a conference "Water in Food Production", together with SGLH, SGLWT and SVIAL. It took place September 25/26 at Landhaus, Solothurn with some 130 participants, 16 interesting lectures and 2 poster sessions.

The presentations offered comprehensive information on the multifaceted roles of water in food production from different point of views. Besides there were enough possibilities for animated discussions, exchange of experiences, networking and maintaining contacts.

### Members

Members as per 31.12.2014: 280

### Changes in the Board

The General Assembly decided during its meeting September 25, 2014 in Solothurn the following changes in the board:

- New president: Dr. Pius Kölbener, cantonal chemist of St. Gallen, member of the board since 2011, takes over presidency from Dr. Hans Jörg Bachmann, who will remain member of the board.
- New member of the board: Dr. Stephan Bieri, Service de la consommation et des affaires vétérinaires, Geneva.

### Outlook 2014

- Together with the association of Swiss cantonal chemists we organize the Swiss Food Science Meeting 2015 "Current and Future Food Safety Issues: Food Authenticity and Adulteration –Analytical Challenges and Risk Assessment", which will take place June 23/24 at the University of Neuchâtel.

### Swiss Group for Mass Spectrometry SGMS

Dr. Bertran Gerrits, President



### Conferences and Activities

#### SGMS Annual Meeting, Beatenberg

The 32nd annual meeting of the SGMS was held at Hotel Dorint, Beatenberg, 30-31 Oct 2014. A total of 92 participants enjoyed scientific stimulation meeting, excellent presentations and the chance to meet people from industry, academia and regulatory bodies. Daniela Eigenmann (University of Basel) and Michele Stravs (EAWAG) both won the student award for best student poster.

Invited lectures were by:

- Detlef Günther, ETH Zurich
- Peter C Dorrestein, University of California, La Jolla CA, USA
- Urs Baltensperger, Paul Scherrer Institute, Villigen
- Bertran Gerrits, Novartis Institute for Biomedical Research, Basel

### Members

- Members as per 31.12.2014: 182
- Tendency over the past 5 years: constant

### Changes in the Board

- Marc Suter (EAWAG), Andreas Stämpfli (F. Hoffmann-La Roche), and Stephan Brombacher (Novartis Pharma) left the board after serving 18, 14 and 10 years respectively.
- The 2014 general assembly has approved Richard Knochenmuss (TOFwerk) as member-at-large and Bertran Gerrits (Novartis Institutes for Biomedical Research) as the new president.

### Outlook 2014

- The Israeli Society for Mass Spectrometry organizes a joint meeting with the SGMS in Rehovot, Israel. For information please check <http://www.weizmann.ac.il/ISMS/> or contact Dr. Marc Suter.
- The 33rd annual SGMS meeting and general assembly will be held at hotel Dorint, Beatenberg on 29-30 October 2015.

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Berne, January 2015