



SCS  
Swiss Chemical  
Society

## Annual Report 2017

Published in CHIMIA Volume 72, No 1-2/2018

### Introduction and Strategy

In the first quarter of 2016, the SCS Board of Directors, along with a group of experts representing our key stakeholders, reviewed the SCS strategy and its portfolio of activities. As a result of this discussion, and in response to the increasing need for multidisciplinary, the SCS started a number of initiatives that go beyond the focus of one of the five SCS divisions and that link traditional fields with emerging trends.

As another part of the revised strategy, the society not only further developed existing offerings but also integrated a number of events formerly organized by third parties. As a consequence, the society's portfolio of activities was significantly enriched and the following list shows our new accomplishment in 2017. We have:

- Broadened the scope of the Society with two new organizational entities which were approved at the General Assembly in April 2017: the Division of Chemical Education and the Section of Catalysis;
- Implemented the SCS Seminars series with a first event on process chemistry in Fribourg in January 2017;
- Integrated the Conference on Stereochemistry (Bürgenstock Conference) into the SCS portfolio;
- Established Bern, in addition to Zürich and Lausanne, as third location of the SCS Fall Meeting and successfully organized a 1.5-days Fall Meeting for the first time since many years;
- Stimulated the formation of an active community on PAT (Process Analytical Technology) in Switzerland with a parallel session at the SCS Fall Meeting;
- Successfully partnered for the first ILMAC Lausanne and put a cornerstone for future editions;
- Initiated an in-depth analysis of the need/opportunity to form interest groups on 'green and sustainable chemistry', 'environmental sciences' and 'IP in chemical sciences'.

To manage the additional workload, we hired a director for the SCS Foundation as well as an accountant, both on a part-time basis (40%). At the same time, we also made investments in our office and IT infrastructure

Please enjoy reading through the 2017 annual report that shows a very active and lively society.

Dr. Alain De Mesmaeker  
President

David Spichiger  
Executive Director

### SCG Events 2017 at a Glance

David Spichiger

- 16.-18.01.17 SCS Seminars on Process Chemistry, Fribourg
- 27.-29.01.17 15<sup>th</sup> Swiss Snow Symposium by SYCA, Saas-Fee
- 12.-15.02.17 Frontiers in Medicinal Chemistry, Bern
- 21.04.17 SCS Spring Meeting, Bern
- 30.04.-05.05. Bürgenstock Conference, Brunnen
- 11.-12.05.17 Freiburger Symposium, Fribourg
- 21.22.08.17 SCS Fall Meeting, Bern
- 22.08.17 Future of Chemical Education, Bern
- 25.-27.09.17 SCS at the Austrian Chemistry Days, Salzburg
- 04.-05.10.17 ILMAC LAUSANNE, Lausanne
- 05.10.17 SCS Syngenta Symposium, Stein (AG)

### SCS Award Winners 2017

scg.ch/awards  
David Spichiger

The SCS awarded eight individuals and one group of scientists for their outstanding contributions. A total sum of CHF 67'000 as well as medals and award certificates were given to the prizewinners.

#### 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. Christof Sparr**,  
University of Basel,  
in recognition of his very creative contributions to the asymmetric synthesis of single atropisomers of hindered aromatic compounds using organocatalysis.



**Prof. Kevin Sivula**,  
EPF Lausanne,  
for his significant contributions to the advancement of materials and methods for photoelectrochemical energy conversion

The prizes were given on the occasion of the SCS Spring Meeting in Bern on April 21, 2017.

#### Grammaticakis-Neumann Award 2017

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



**Prof. Robert Knowles**,  
Princeton University,  
for expanding the methodology in organic synthesis by new processes founded upon visible light mediated Proton-Coupled Electron Transfer (PCET).

The prize was given on the occasion of the SCS Fall Meeting in Bern on August 22, 2017.

#### SISF-SCS Senior Industrial Investigator Award

CHF 10'000; the prize is given to honor very successful and established industrial investigators in Switzerland with outstanding achievements over many years. SISF and SCS honored



**Dr. Emmanuel Pinard**,  
F. Hoffmann-La Roche Ltd, Basel,  
for his very successful research on several therapeutic targets as enzymes (Bace1, COMT), ion channels (NMDA), GPCRs (Orexin, Vasopressin) and transporters (GlyT1) that address high unmet central nervous system disorders

such as Parkinson's Disease, Stroke, Schizophrenia, Depression, Autism and Spinal Motor Atrophy.



**Dr. Thomas Netscher**,  
 DSM Nutritional Products, Ltd,  
 Kaiseraugst,  
 for his achievements in advancing  
 synthetic methodology and total synthesis  
 of natural products, specifically vitamins  
 and isoprenoid derived compounds.

#### SISF-SCS Industrial Investigator Award

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



**Dr. Richard Sedrani**,  
 Novartis Pharma AG, Basel,  
 for his achievements in many important  
 projects as research chemists, team  
 leader, project leader and unit head that  
 resulted in the discovery and development  
 of the mTOR inhibitor Everolimus, which  
 is the active ingredient of several success-  
 fully marketed drugs: Certican® / Zortress®; Afinitor®, Xience™.

All SISF-SCS award lectures took place on the occasion of the SCS Fall Meeting in Bern on August 22, 2017.

#### Sandmeyer Award

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



The SCS awarded the prize 2017 to the team from F. Hoffmann-La Roche, namely

**Dr. Stefan Hildbrand, Dr. Gösta Rimmler, Dr. Daniel Fishlock, Dr. Pankaj Rege, Dr. Carsten Peters, Dr. Christian Mössner, Dr. Ralph Diodone and Dr. Markus Schantz**  
 for the development of an efficient industrial synthesis of Idasanutlin (a MDM2 antagonist for treatment of cancer) via a Cu(I)-catalyzed [3+2] Asymmetric Cycloaddition.

Two award lectures were given. One at the Freiburg Symposium on May 12, and one at the SCS Fall Meeting in Bern on August 22, 2017.

#### Balmer Prize

CHF 2'000 for individuals and CHF 2'000 for the school's chemistry department. SCS awarded



**Mr. Hansrudolf Dütsch**, Zürich,  
 for his exemplary engagement over many  
 years in the field of further education of  
 high school teachers and for his idea to  
 develop and run a web shop for innova-  
 tive and illustrative chemistry experi-  
 ments.

The award was given on the occasion of the ChemEdu symposium in Bern on August 22, 2017

#### 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



**Mrs. Sonia De Andrade**,  
 ZHAW Wädenswil,  
 for her bachelor thesis and her contribu-  
 tions to the advancement and validation of  
 printable biomaterials and their potential  
 use as tissue models.

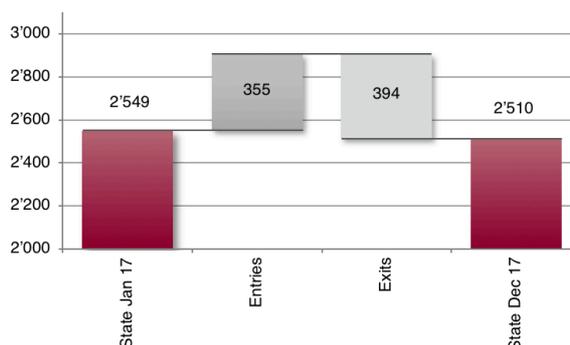
The award was given on the occasion of the BioTech 2017 conference at ZHAW in Wädenswil on September 8, 2017.

#### Member Statistics (December 2017)

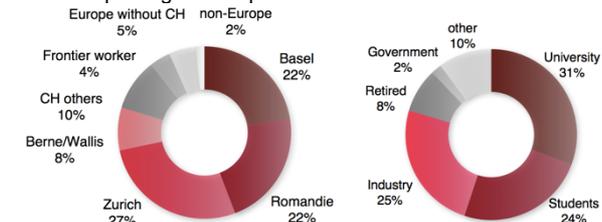
scg.ch/membership

David Spichiger

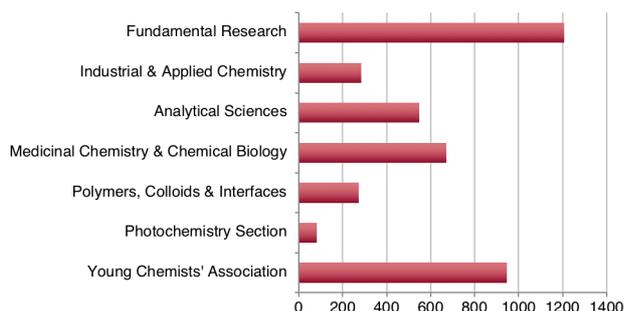
Development of members 2017: -39



#### Members per region and profession



Members per SCS Division (multiple subscription per member are possible)



#### Executive Board and Board of Directors

David Spichiger

##### Executive Board ExB

- **Dr. Alain De Mesmaeker**, Syngenta Crop Protection AG  
SCS President
- **Prof. Christian Bochet**, University of Fribourg  
SCS Vice President and
- **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)

- *Prof. Roger Alberto*, University of Zurich  
President Division of Fundamental Research
- *Dr. Yves Auberson*, Novartis Pharma AG  
President Division of Medicinal Chemistry & Chemical Biology
- *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
- *Dr. Marc J. Suter*, Eawag, Dübendorf  
President Division of Analytical Sciences
- *Prof. Antonio Togni*, ETH Zurich  
President Division of Chemical Education
- *Dr. Bernhard Urwyler*, Syngenta Crop Protection AG (new)  
President Division of Industrial & Applied Chemistry
- *Dr. Martin Vollmer*, Clariant International Ltd  
Member of the board

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

Our most sincere thanks go to our main sponsors for their generous support. In addition we like also to thank all our divisional event sponsors that supported the SCS during the year. The principal supporters were:

- SISF, Swiss Industry Science Fund (Novartis, Roche, BASF, Syngenta):
  - General supporter of the SCS;
  - Support of the award program (Paracelsus Prize, Werner Prize, Balmer Prize, SISF-SCS Awards);
  - Support of divisional events;
- Idorsia Pharmaceuticals Ltd (Actelion): Project sponsor of the SCS Foundation and support of divisional events.
- Metrohm Foundation: Sponsor of the Best Oral Presentation Awards at the Fall Meeting.
- DSM Nutritional Products SA: Sponsor of the Best Poster Awards at the Fall Meeting.
- Swiss Academy of Natural Sciences (SCNAT) and Swiss Academy of Technical Sciences (SATW): project and event sponsors.
- BASF, Firmenich, Givaudan, Lonza, Novartis, Roche, Syngenta: Supporters of the Alfred Werner Master Scholarships.


**Society's activities and Head Office**

www.scg.ch

David Spichiger

**ChemPubSoc Europe**

In its fourth year as a full member of the ChemPubSoc community the SCS could profit again from a respectable royalty payment of 'Chemistry a European Journal'. The return on investment was 6.5%. In Berlin at its annual meeting the delegates of the owner societies in collaboration with the Wiley-VCH CPSE management decided on a new royalty model that harmonizes the



contributions for the different journal titles. This will benefit SCS and will strengthen the position of CPSE in Switzerland. SCS holds 5% of shares of Chemistry – A European Journal and participates as co-owner of ChemElectroChem, ChemPlusChem, ChemistryOpen, ChemCatChem and ChemPhotoChem. SCS supported the marketing initiatives of ChemPubSoc on its website, during SCS events and in CHIMIA. In 2018, SCS will host the annual CPSE owners meeting in Bern.

**100<sup>th</sup> Anniversary of Helvetica**

The Swiss Chemical Society and Helvetica Chimica Acta (HCA) share a long history, and the 100<sup>th</sup> Anniversary of HCA was an event that brought them even closer together. To commemorate the remarkable history of HCA and the relaunch of the journal as Helvetica – A Journal of the Swiss Chemical Society, SCS invited two distinguished speakers with strong connections to Switzerland to give a lecture at the Helvetica anniversary session at the SCS Fall Meeting in Bern on August 21, 2017.

- Prof. Harry Anderson, University of Oxford
- Prof. Luisa De Cola, Université de Strasbourg


**SCS Seminar 2017/1 on Process Chemistry**

The SCS Seminars are three-days educational event with a focus on topics relevant for the Swiss chemical and pharmaceutical industry but that are not necessarily part of the academic curricula. SCS implemented this program in 2017 and the first seminar focused on issues of process chemistry.

Christian Bochet chaired through the seminars and invited seven experts to give their input and train the students on process relevant topics such as production costs, efficiency and yield, energy consumption and power efficiency, time to market, safety issues, waste handling and regulations standards and patents. The expert team included Dr. Michael Bersier, Lonza AG, Dr. Tomas Smejkal, Syngenta Crop Protection AG, Dr. Fabrice Gallou, Novartis Pharma AG, Prof. Roger Marti, HEIA-FR, Dr. Elena Schaller, Siegfried Evionnaz SA, Dr. Heiko Oertling, Nestlé SA and Dr. Felix Flachsmann, Givaudan.

The seminar was completed with an extended poster session and interactive workshops. Based on the very positive participants' feedback we will continue the initiative in 2018.



Picture: scs-foundation.ch

**SCS Conference on Stereochemistry 2017**

For the first time, the traditional and renowned conference in Brunnen was under the patronage of the Swiss Chemical Society.

From 03.04.-05.05.2017 a total of 123 researcher from 21 nations participated in the conference and listened to the 14 lectures: Prof. Karl-Heinz Altmann, ETH Zürich, Prof. Thorsten Bach, Technische Universität München, Prof. Luc Brunsveld, TU Eindhoven, Laboratory of Chemical Biology, Prof. Paul Chirik, Princeton University, Prof. David Craik, The University of Queensland, Prof. Tim Jamison, MIT, Prof. Kanai Motomu, The University of Tokyo, Prof. Jörn Piel, ETH Zurich, Prof. Jennifer Prescher, UC Irvine, Prof. Joost Reek, university of Amsterdam, Prof. Kay Severin, EPF Lausanne, Prof. Jan van Hest, Eindhoven University of Technology, Prof. Tanja Weil, Max-Planck-Institute for Polymer Research, Prof. Frank Wuerthner, Universitaet Wuerzburg.

The next conference will take place in Brunnen again from 29.04.-03.05.2018.

### SCS at the GÖCH Austrian Chemistry Days 2017

Following the invitation of the 'Gesellschaft Österreichischer Chemiker, GÖCH', a delegation of 13 SCS members participated in the Austrian Chemistry Days at University of Salzburg on September 25-27, 2017. Peter E. Kündig, University of Geneva and Maksym Kovalenko, ETH Zurich gave invited lectures in the plenary session while all other delegation members contributed a talk in one of the parallel sessions or presented a poster.

### SCS at ILMAC Lausanne 2017

The necessity of a trade show in Lausanne is based on the strong position of the French speaking part of Switzerland in the sectors of chemistry, biotechnology and laboratory in general. Therefore, MCH Group AG and M. Bonenberger as ILMAC product director decided to implement a two-days event at Beaulieu Lausanne on October 4-5, 2017. As partner of ILMAC, SCS organized the forum program on the first fair day. BiloAlps organized the forum on the second day.




Picture: [ilmac.ch/lausanne](http://ilmac.ch/lausanne)

*ILMAC Forum organized by the SCS: Wed, October 4, 2017*  
 «Operational Excellence - Best practice for Chemical and Life Science Companies»

Five OE experts from the chemical and pharmaceutical production talked about their experiences in process development and how OE was implemented in their daily life and how it influences the workflow for operators, process managers and executives.

- Gérard Waridel, Syngenta Monthey SA  
 «Excellence opérationnelle et gestion du changement»
- Yasser Bin Sabir, ARLANXEO Switzerland S.A.  
 «Integrated Business Planning (IBP) – A cross functional process to optimize performance across the end-to-end value chain in a business»
- Silvia Alvarez, Vifor Pharma  
 «Le Lean n'est pas du placebo: bénéfices et effets secondaires dans l'industrie pharmaceutique»
- Carsten Wangnick, Carbogen Amcis  
 «Investigation & Reduction of "Human Errors" in API manufacturing»
- Hellmuth Broda, PerkinElmer and OneSource Enterprise Professional Services  
 «Enabling Operational Excellence for the Lab: The Role of Managed and Automated Services»

### SCS Syngenta Symposium 2017

The 3<sup>rd</sup> SCS-Syngenta Symposium, took place at Syngenta research center in Stein (AG) on October 5, 2017, and focused on cutting-edge research in natural products and their roles in life science for success in chemical innovation. The title of the symposium was "Natural Products: an ongoing chemist's success story". Around 200 participants attended the symposium.

The highlight of the day were the plenary lectures of Prof. Jon Clardy, Harvard University, Prof. Christian Hertweck, University of Jena, Prof. Scott Snyder, University of Chicago as well as four invited lectures including Prof. Karl Gademann, University Zürich, Prof. Birger Lindberg Møller, University of Copenhagen, Prof. Jieping Zhu, EPFL Lausanne and Dr. Christophe Meyer, ESPCI Paris. Four industrial speakers, namely Dr. Mathilde Lachia, Syngenta, Dr. Frank Petersen, Novartis, Dr. Alec Birkbeck, Firmenich and Dr. Gerardo Ramos, Syngenta, completed the program.



Picture: Lecture hall, Syngenta Crop Protection AG, Stein

### SCS Conference Websites

In 2017 we developed and implemented a website template for all SCS events, including the tailor-made module for abstract submission/publication. This allows us to efficiently provide event relevant web services in a high quality.



### 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 supports its divisions in the following fields:

- Financial management including sponsoring for all SCS events
- Communication support (e.g. flyers, newsletters, forms and webpages)
- Legal advice and general consulting

### 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



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 2017 in the order of their appearance were: Natalie Banerji (University of Fribourg, now University of Bern), Julien Furrer (University of Bern), Hans Peter Lüthi (ETH Zurich), Majed Chergui (EPF Lausanne), Holger Frauenrath (EPF Lausanne), Alessandro Mordini (CNR-ICCOM, Sesto Fiorentino, Florence), Guido Koch (Novartis Pharma AG, Basel), Mohammad Khaja Nazeeruddin (EPF Lausanne), Mathilde Lachia and Sarah Sulzer (Syngenta Crop Protection, Stein).

In 2017 (volume 71) the following issues were published:

- 1-2 The Power of Spectroscopy
- 3 Bioorganometallic Chemistry and Mechanisms
- 4 Laureates: Junior Prizes of the SCS Fall Meeting 2016
- 5 The Lausanne Centre for Ultrafast Science (LACUS)
- 6 Polymer, Colloid, and Interface Chemistry
- 7-8 SCS Laureates and Awards & Fall Meeting 2017
- 9 Italian Connections
- 10 Medicinal Chemistry
- 11 Perovskites
- 12 Natural Products: Source and Innovation

The 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. 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. The different news sections of the past that reflected varying historical traditions are now dissolved into community news, industrial news, and events – jointly reorganized and maintained by David Spichiger (SCS) and Prof. Jürgen Stohner (ZHAW). This is another small step in the slow rejuvenation of CHIMIA without sacrificing brand recognition. Just look into an issue from 10 - 15 years ago and see the difference!



Prof. Paul J. Dyson's term as Editor-in-Chief ended in 2017. We thank him very much for his enduring efforts for CHIMIA. He organized 10 issues per year in spite of an unusual proportion of drop-outs he was faced with. We hope that the difficulties to find willing and reliable guest editors is only a temporary issue and not a trend. We wish him all the best for a personally and scientifically prosperous future.

We are very lucky that Prof. E. Peter Kündig (University of Geneva and former SCS president) took over the mandate as editor-in-chief for the period 2018 - 2020.

Prof. Clémence Corminboeuf (EPF Lausanne) and Prof. Robert Häner (University of Bern) who helped us shaping CHIMIA and stepped down from their duties by the end of the year. Many thanks to them for their discussions as well as contributions to the contents. We are happy to have found with Prof. Catherine Housecroft (University of Basel) and Prof. Nathan Luedtke (University of Zurich) two other successful researchers willing to contribute to our society journal.

Dr. Roland W. Kunz will step down from the board by the end of 2018. Dr. Gillian Harvey, this journal's long term technical editor, was elected to succeed him and we are glad that she accepted the appointment.

## EuCheMS

[www.euchems.org](http://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 2017 EuCheMS published 4 Newsletters and a monthly EuCheMS Brussels News Update. SCS re-published them on the SCS website and partially in CHIMIA.

## Division delegates of the Swiss Chemical Society

- Prof. Christophe Copéret, ETH Zürich  
Member, EuCheMS Executive Board
- Prof. Jeffrey Bode, ETH Zürich  
Member, Division of Organic Chemistry
- Prof. Kay Severin, EPF Lausanne  
Member, Division of Inorganic Chemistry
- Prof. Franka Kalma, HESSO/VS  
Member, Division of Analytical Chemistry
- Dr. René Reiser, Agroscope Reckenholz  
Member, Division of Chemistry and the Environment
- Prof. Andreas Türlér, PSI Villigen  
Member, Division of Nuclear and Radiochemistry
- Dr. Thomas Gude, SQTS/Migros  
Member, Division of Food Chemistry
- Prof. Roland Sigel, University of Zürich  
Member, Division of Chemistry in Life Sciences
- Dr. Hans Peter Lüthi, ETH Zürich  
Treasurer, Division of Computational Chemistry
- Prof. Thomas Bürgi, Université de Genève  
Member, Division of Physical Chemistry
- Dr. Klemens Koch, VSN  
Member, Division of Education
- Prof. Greta Patzke, University of Zürich  
Member, Division of Solid State and Materials Chemistry

At the General Assembly in Rome on September 26-27, 2017, Christophe Copéret, ETH Zurich, represented the SCS. Yves Auberson, Novartis and President of the SCS DMCCB, represented the European Federation of Medicinal Chemistry.

The SCS Board of Directors decided in its September meeting to link all EuCheMS delegated to one of the six SCS division boards to guarantee the information exchange from SCS to the EuCheMS divisions and vice versa.

## Division of Fundamental Research DFR

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

Prof. Roger Alberto

## Activities, Symposia, Conferences, Projects 2017

SCS Spring Meeting 2017, University of Berne, April 21 2017  
([scg.ch/springmeeting/2017](http://scg.ch/springmeeting/2017))

The SCS Spring Meeting was organized by Prof. Martin Albrecht and had the topic "Homogeneous Catalysis, New Paradigms, Wonderful Applications" in its focus. The renowned speakers Prof. John Hartwig (Berkeley, USA), Prof. Morris Bullock (Pacific Northwestern, USA), Prof. David Milstein (Weizmann, Israel), Dr. Rocco Paciello (BASF, Germany), Prof. Pedro Perez (Huelva, Spain), Prof. Hansjörg Grützmacher (ETHZ) provided the attendees with new insight in this exciting field. The SCS Spring meeting is also the platform for the Alfred Werner prize, 2017 awarded to Prof. Ken Sivula, EPF Lausanne and Prof. Christof Sparr, University of Basel. The award lectures gave fascinating insights into "The advancement of materials and methods for photoelectrochemical energy conversion" and "Asymmetric synthesis of single atropisomers of hindered aromatic compounds using organocatalysis".



*SCS Fall Meeting, University of Berne, 21.-22. August 2017*  
 (scg.ch/fallmeeting/2017)

For the first time in its history, the Fall Meeting, as the biggest event of the Swiss Chemical Society, took place over 1.5 days at the von Roll Area at University of Bern. Day 1 was in the focus of a new lecture series in which postdocs as future leaders could prominently present their research. The same day, *Helvetica Chimica Acta* celebrated its centenary with two prestigious talks given by *Prof. Harry Anderson*, University of Oxford and *Prof. Luisa De Cola*, Université de Strasbourg. The extension of the Fall Meeting was very well received since it allowed to spend more time especially in the poster sessions. The meeting was excellently organized by the local team chaired by Prof. Silvio Decurtins. The attendance exceeded the one of 2016 with more than 1'000 attendees and seven parallel sessions:

Analytical Sciences	21 Posters	14 Talks
Catalysis Science & Engineering	70 Posters	13 Talks
Inorganic & Coordination Chemistry	82 Posters	14 Talks
Medicinal Chemistry & Chemical Biology	59 Posters	14 Talks
Organic Chemistry	74 Posters	14 Talks
Physical Chemistry	49 Posters	14 Talks
Polymers, Colloids & Interfaces	48 Posters	14 Talks

A computational chemistry session took place at the Conference for Theoretical Chemistry in Basel at the same time. During the Fall Meeting, several teams and researchers were awarded, namely Prof. Robert Knowels (Princeton) with the Grammaticakis-Neumann Award, Dr. Thomas Netscher (DSM), Dr. Emmanuel Pinar (Roche) with the SISF-SCS Senior Industrial Investigator Award, Dr. Richard Sedrani (Novartis) with the SISF-SCS Industrial Award, Dr. Stefan Hildbrand, Dr. Gösta Rimmner, Dr. Daniel Fishlock, Dr. Pankaj Rege, Dr. Carsten Peters, Dr. Christian Mössner, Dr. Ralph Diodone and Dr. Markus Schantz collectively with the Sandmeyer Award.

Metrohm and DSM jointly sponsored the best oral (top picture) and best poster prizes (bottom pic) from all the sessions.



Picture: winners of the best oral presentation award 2017 incl. Markus Steinke (fifths from left) from Methrom.



Picture: winners of the best poster presentation award 2017 incl. Roman Imhof (eighth from left) from DSM.

The Fall Meeting was furthermore sponsored by the following companies and institutions: Swiss Industry Science Fund (SISF) and SCNAT, as general meeting sponsors, *Helvetica*, *Mettler-Toledo*, *Lonza*, *Camo*, as sponsors of plenary sessions and special events. *Actelion*, *Bruker*, *Clariant*, *Dow*, *Idorsia*, *Janssen*, *Mettler Toledo* and *Syngenta* sponsored parallel sessions.

In addition to the sponsors, the following companies supported the event by exposing booths to the exhibition: *abcr GmbH*, *Ad-View*, *Georg Thieme Verlag*, *Shimadzu Schweiz*, *Thermo Fisher Scientific*, *Chemie Brunschwig*, *Mettler Toledo*, *IGZ Instrumente*, *ChemAxon*, *Thales Na Inc.*, *TCI Europe N.V.*, *SpiroChem*, *MERCK*, *Magritek*, *BÜCHI Labortechnik AG*, *Swiss Chemical Society / CHIMIA*.

Parallel to the Fall Meeting a one-day symposium on PAT, organized by Dr. Tobias Merz, took place at the same location. Based on its success, SCS will follow-up and continues to support PAT community in Switzerland.

For the second time, the ChemEdu congress was part of the Fall Meeting and provided a unique platform to exchange know-how in the field of chemical education. Chaired by Klemens Koch, more than 80 chemistry teachers from secondary school to Gymnasium level followed the invitation.

*Support to conferences*

DFR financially supported the following conferences/initiatives:

- *Berd Giese's Birthday Symposium*, 02.06.2017, University of Fribourg
- *International Symposium on Monolayer Protected Clusters* on 13.-16.08.2017, Monte Verità, Ascona
- *QMol Conference*, 10.-14.09.2017, Monte Verità, Ascona,
- *Eschenmoser Lectureship*, 06.03.2017, ETH Zurich
- *Molecules in Motion, International Workshop on Molecular Quantum Dynamics and Kinetics*, 10.-13.03.2017, ETH Zurich
- *SCS Conference on Stereochemistry 2017 ('Bürgenstock Conference')* 30.04.-04.05.2017, Brunnen

*SCS Lectureships*

Continuing the program initiated in 2013, a series of very successful lecture tours took place during the year:

- *Prof. Jeremy Sanders*, University of Cambridge, UK  
Thermodynamics and Molecular Recognition: From Dynamic Combinatorial Chemistry to Crystal Polymorphism. 13.-17.3.2017
- *Prof. Jonathan Sweedler*, University of Illinois, USA  
Life on the "D" side: D-amino acid signaling in the brain» and The chemical characterization of the brain: from new measurement tools to new neurochemical insight. 20.-24.3.2017
- *Dr. Xiaoguang Lei*, Beijing  
Complex Natural Product as a Driving Force for Discovery in Organic Synthesis and Chemical Biology» and «Tightly Linking Chemistry and Biology through Covalent Bonds. 27.-31.3.2017
- *Prof. Ryan Shenvi*, The Scripps Research Institute, USA  
Chemical Synthesis of Secondary Metabolites. 8.-12.5.2017
- *Prof. Jonathan Ellmann*, Yale University, USA  
C-H Functionalization for the Efficient Assembly and Elaboration of Heterocyclic Compounds. 15.-19. 5.2017
- *Prof. Cathy Crudden*, Queen's University, Kingston, Canada  
Metal catalysts, clusters and surfaces: From the synthesis of chiral bio-molecules to carbon-based self-assembled monolayers. 2.-9.10.2017
- *Prof. Cynthia Burrows*, The University of Utah, USA  
The Epigenetics of Guanine: From chemistry to biology with guanine oxidation. 16.-20.10.2017
- *Prof. Sir Richard Friend*, University of Cambridge, UK  
Molecular semiconductors for LEDs and solar cells: designing around the Coulomb interaction and New semiconductors and new architectures for LEDs and solar cells. 20.-24. 11.2017
- *Prof. Shiki Yagai*, Chiba University, Japan  
Figuration of Supramolecular Polymers with Spontaneous Curvature. 11.-15.12.2017
- *Prof. F. Fleming Crim*, University of Wisconsin-Madison, USA  
The Influence of Vibrations on Reactions in Gases and Liquids. 21.9. - 21.11.2017

By the end of 2017, the initiator of this "flagship" lectures of the DFR, Prof. Thomas Bally, Université de Fribourg, resigned as its chair and handed over the responsibility to Prof. S. Willitsch, Universität Basel. We thank Thomas at this place very much for his

initiative and for the fine organisation of the tours with leading scientists from all over the world.

Thanks to the Platform Chemistry of the SCNAT that financially supports the tours.

#### Changes in the DFR Board

- At the second board meeting 2017, Prof. Brigitte Buchmann was approved as a representative of Empa

#### Outlook 2018

- SCS Spring Meeting 2018 on "Bio-inspired Chemistry, Université de Neuchâtel, April 6, chaired by Prof. Bruno Therrien ([scg.ch/springmeeting/2018](http://scg.ch/springmeeting/2018))
- SCS Fall Meeting, EPF Lausanne, September 7, chaired by Prof. Sandrine Gerber ([scg.ch/fallmeeting/2018](http://scg.ch/fallmeeting/2018))
- Nine SCS Lectureships will be organized in 2018 ([scg.ch/scs-lectureships](http://scg.ch/scs-lectureships))

### Photochemistry Section PCS

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

*Dr. Silvio Canonica*

#### Activities, Symposia, Conferences, Projects 2017

- On behalf of the Photochemistry Section, Prof. Oliver Wenger acted as a co-organizer of the ninth Central European Conference on Photochemistry, CECP 2018, taking place in February 2018 in Bad Hofgastein, Austria.

#### Outlook 2018

- Contributing to the organization of the Central European Conference in Photochemistry in Bad Hofgastein (Austria) February 2018.
- Promoting the organization of a one-day meeting on photochemistry in Switzerland.

### Section of Catalysis (SwissCat)

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

*Prof. Javier Pérez-Ramírez*

#### Activities, Symposia, Conferences, Projects

At its 2017 General Assembly in Bern in April 21, 2017, the SCS approved the request of the catalysis community to formally implement a new Section of Catalysis that is linked to the Division of Fundamental Research.

Aiming at bringing together the academic and industrial Swiss scientists engaged in heterogeneous, homogeneous, and bio-catalysis to increase the awareness of the expertise and resources, foster collaboration, and promote the shaping of the next generation of researchers active in this field, SwissCat has initiated the organization of a summer school entitled "Catalysis across scales". The school will take place in Interlaken on June 13-15, 2018, and will feature 13 renowned Swiss and international speakers. Thematic sessions will embrace the transformation of small molecules to key intermediates, the conversion of renewables, and the synthesis of complex molecules and materials from the fundamental to the process level.

#### The initial board consist of the following members

- Prof. Javier Pérez-Ramírez, ETH Zurich, President
- Prof. Christophe Copéret, ETH Zurich, Vice-President
- Dr. Johannan Medlock, DSM Nutritional Products, Treasurer
- Prof. Jeroen A. van Bokhoven, ETH Zurich and PSI Villigen
- Prof. Xile Hu, EPF Lausanne
- Representative from industry tbd

#### Outlook 2018

- The organization of the summer school will continue in the first half of 2018 to ensure the successful realization of this event.

### Swiss Young Chemists' Association (SYCA)

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

*Cornel Fink, David Spichiger*

#### Activities, Symposia, Conferences, Projects

##### Swiss Snow Symposium 2017

From the January 27 to 29, 2017, more than 60 young chemists gathered at Hotel Alphubel in Saas Fee (Kanton Wallis) for the 15<sup>th</sup> edition of the Swiss Snow Symposium.

After a welcoming aperitif and a delicious dinner, three invited lectures gave insight into their recent research projects:

Dr. Sebastian Wendeborn (R&D, Syngenta Crop Protection AG), Dr. Cheng Yi Chen (R&D, Janssen), Dr. Amandine Kolleth (Post-Doc, Syngenta Crop Protection AG). Three contributed lectures, given by Ms. Florella Lucarini, Ms. Gurdal Yeliz and Dr. Almudena Gallego completed the Friday program.

On Saturday, the participants enjoyed the wonderful slopes of Saas-Fee and after a sunny day in the snow, the symposium continued with another two, invited speakers, namely *Dr. Alec Birkenbeck (R&D, Firmenich)* and *Dr. Magnus T. Johnson (Group leader, Lund University)*. Afterwards Jens Gaitzsch, Sascha Keller, Bernadetta Gajewska, Samuel Lörcher, Samantha Doninelli, Kristina Goncharenko, Felix Bobbink and Giacomo Cecot contributed 20min talks each and the session closed shortly after midnight. All in all it was a fantastic event and we like to thank again our sponsors: SISF (Novartis, Roche, Syngenta, BASF), Actelion, Merck, Shimadzu, ChemPubSoc, Thieme and Janssen.

##### Visit of the AKW Mühleberg

SYCA organized a guided tour of the nuclear power plant in Mühleberg and the nearby hydroelectric power station on October 14. 2017. 40 members joined the tour and made the day a successful event.

#### SYCA Board

- President: Cornel Fink
- Vice President: Tiu Elisha Gabrielle
- Treasurer: Dmitry Vasilyev

#### Outlook 2018

- 16<sup>th</sup> Swiss Snow Symposium in Saas Fee: The symposium will be a great opportunity for approximately 40 young scientists to share their research in informal environment. 26.-28.01.2018
- Industry visits are planned.

### Division of Analytical Sciences DAS

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

*Prof. Gérard Hopfgartner*

#### Activities, Symposia, Conferences, Projects

Prof. Takehiko Kitamori is winner of the 2017 *Simon-Widmer Award* for his long time scientific achievement in the fields of microchemistry systems and microfluidics. The award will be handed over at the 32<sup>nd</sup> International Symposium on Chromatography, September 22-27, 2018 in Cannes, France.

Veronika Meyer, member of the DAS Board, has received the *IUPAC 2017 Distinguished Women in Chemistry or Chemical Engineering Award*.

*Conference Support:* The DAS has supported conference visits for 8 early stage researchers.

The DAS has successfully proposed Renato Zenobi as member of the International Award Committee for the European Gold Medal of the EuCheMS.

The DAS courses have been very successful, in part due to in-company training at BASF. Both secretaries of the course office Verena Schmid and Lilo Weishaupt have handed in their resignation for 2018. A successor has been found.

The *APPLICA* meeting was held September 7 in Basel. Roland Looser was member of the organizing committee. The meeting

focused on the analysis of biopolymers and small molecules, focusing on alternative HPLC phases. Eight invited lecturers gave interesting presentations, ranging from selection of separation phases, mixed-mode approaches, to practical applications such as dried blood spot analysis, targeted metabolomics and proteomic profiling, food and environmental analysis to quality control in therapeutics. The lectures and exhibition with 11 vendors were well attended, with 78 participants.

The DAS supported *BioTech 2017*, a conference on Sensor Technology and Online Analytics, held at the Zurich University of Applied Sciences (ZHAW) in Wädenswil, September 7/8. Marc Suter was member of the organizing committee.

Walter Giger, the Swiss delegate to the EuCheMS Division of Chemistry and the Environment was a member of the scientific committee of the International Conference on Chemistry and the Environment (ICCE 2017) that was held June 18–22 in Oslo.

The SCS fall meeting was quite weak on analytical presentations. How to improve the situation will be a topic at the upcoming DAS retreat.

Walter Giger, Fritz Erni and Ernst Halder have written a retrospective of the DAS in view of its 25<sup>th</sup> anniversary in 2017, which will be published in the December issue of CHIMIA.

Gérard Hopfgartner, former president of the DAS is now editor of Analytical and Bioanalytical Chemistry. Marc Suter has become member of the International Advisory Board.

#### Changes in the Board

- Marc Suter has become president of the division
- Gérard Hopfgartner has resigned from the DAS-Board in November 2017
- Eric Bakker has joined the DAS-Board in November 2017

#### Outlook 2018

- The Federal Institute of Metrology METAS has launched an award on Chemical Metrology (5'000.-), which will be handed out for the first time in 2018.
- Eric Bakker, Franka Kalman and Marc Suter have prepared a letter of intent for hosting the Euroanalysis 2023 in Geneva. The letter will be submitted to the EuCheMS Division of Analytical Chemistry in April 2018. The Centre International de Conférences (CICG) in Geneva has been provisionally reserved for September 2<sup>nd</sup>-6<sup>th</sup> 2023. Symporg has agreed to act as professional conference organizer.
- The 4<sup>th</sup> CHanalysis will be held in Beatenberg on April 12-13, 2018. Invited lecturers are Enrico Martionioia (UniZH), Eric Bakker (UniGE), Bodo Hattendorf (ETHZ) and Renato Zenobi (ETHZ).
- The DAS Board will meet for a retreat in April 2018 prior to the CHanalysis.
- The DAS intends to apply for a SCS lectureship. The proposed lecturer will be Thomas Ternes from the Federal Institute of Hydrology in Koblenz, Germany.
- Thomas Bucheli (Agroscope) will become the new Swiss delegate to the EuCheMS Division of Chemistry and the Environment.

#### 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, at Firmenich SA, 1283 La Plaine on April 6<sup>th</sup> 2017:*

The annual DIAC meeting took place at Firmenich SA, in La Plaine. Sébastien Balzano, Production Director & Deputy Plant Mgr, welcomed approx. 25 participants and presented the Firmenich production site in La Plaine.

It was a pleasure to follow the history of this Swiss and family-owned private company that produces for over 120 years flavors,

perfumes and ingredients. Firmenich is the largest private company in its industry. Impressive was to see the high changeover and flexibility in production, where in different small production units hundreds of different flavours and perfume are produced in batches every year in different campaigns. The high adaptability and flexibility are here the key in the manufacturing.



*Picture: Main site entrance of Firmenich SA in la Plaine, where the DIAC held its annual meeting 2017*

The scientific lecture this year had been given by Stephan Gentner, Head Process-development & Engineering at DSM Nutritional Products GmbH Grenzach (D).

The topic of his contribution was "Manufacturing IT & Industry 4.0: Success factors for projects – practical examples". The excellent presentation was followed by an animated discussion. Again a good opportunity to learn and share best practices. Subsequently Firmenich offered to all participants an excellent meal at the site restaurant.

The highlight of an annual meeting is always the "go and see" visit with a guided tour through the different multipurpose and dedicated production units on site. Thermal process safety is key in such high production turnover, therefore the site has its own safety lab, where all DIAC participants got impressive demonstrations of their thermal safety measurements.

#### 13<sup>th</sup> Freiburger Symposium 2017

The 13<sup>th</sup> Freiburger Symposium took place on the 11<sup>th</sup> and 12<sup>th</sup> of May at the HEIA-Freiburg. The topic of the Symposium was: "Green Chemistry -- From Concept to Industrial Reality". Again a key note lecture was given by a CEO, this time Dr. Markus Blocher CEO of Dottikon Exclusive Synthesis AG.



*Picture: left: lecture hall at the Friburger Symposium, with Dr. Markus Blocher giving his key not lecture*



The organizers under the lead of Dr. Kerstin Bodmann, Lonza, and Dr. Prof. Roger Marti, had designed a fantastic program, combining theoretical aspects and practical implementation around the symposium topic. It fully achieved the expectations of the participants.

Beside the scientific lectures, participants also appreciated the networking opportunities during the coffee/lunch breaks and the symposium dinner. The dinner was also the platform to celebrate the 2017 winners of the Sandmeyer Award. Alain De Mesmaeker, President of the SCS, awarded the team from F. Hoffmann-La Roche for the development of an efficient industrial synthesis of Idasanutlin. Close

to 100 industrial professionals and students attended the symposium giving a positive feedback.



*Pictures : left: Alain De Mesmaeker, President of the SCS at the Symposium dinner, presenting the Sandmeyer Award 2017. Right: At the dinners apéro with Dr. Markus Blocher and Prof. Dr. Hans Peter Lüthy.*

#### ILMAC Lausanne with SCS and DIAC

From 03.-04.10.2017, ILMAC provided the chemical and life science community with this new platform in Lausanne at the Expo Beaulieu. SCS and DIAC were participating at one of the Forums on October 4. The organized lectures were dedicated to a topic of high relevance in the respective industry with the title «Operational Excellence - Best practice for Chemical and Life Science Companies»

#### Annual DIAC- board workshop 2017 in Meisterschwanden

The workshop took place from 02.-04.11.2017 in Meisterschwanden (AG). David Spichiger managing Director of SCS participated at the workshop. The DIAC board reviewed the past year and prepared the activities and the agenda for the next year and beyond. A key subject of the workshop was the discussion about "Green Chemistry" with invited people from Industry, such as Dr. Edouard Godineau, Dr. Thomas Netscher and Dr. Alain De Mesmaeker. Dr. Alain De Mesmaeker explained his motivation to engage in this area. People are very enthusiastic about Green Chemistry. (Feedback received also from the 13<sup>th</sup> Freiburger Symposium). This field offers many challenges and opportunities for industrial and academic research which will drive innovation. The SCS could be one platform to embrace all these aspects and reach all generations of chemists. In order to analyze the potential of this field Alain De Mesmaeker proposed to nominate an expert group to monitor the current developments in Green and Sustainable Chemistry, which at this point did not yet reached the level for a stand-alone division, but could become a DIAC subdivision or a separate group. The discussion has been taken on the agenda of the DIAC in 2018.



*Picture : DIAC board at the workshop in Meisterschwanden (AG) in November 2017.*

#### Changes in the Board

The board remains unchanged. As mentioned earlier, Urban Jenelten Director of Process Optimization and New Technology & Pilot Plant/Small Scale Production, at Firmenich SA. in La Plaine (GE), replaced Mauricio Ranzi, who retired from the DIAC board at the general assemble 2017.

#### Outlook 2018:

- Annual meeting 2018 of DIAC:

22.03.2018, Cilag AG in Schaffhausen. Company presentation, DIAC assembly and Visit production sites and labs.

- CHIMIA special edition:  
Special issue of Chimia in March 2018 with the title: "Production Quality, is it still a competitive advantage?" DIAC board member Dr. Xenia Beyrich-Graf will act as our guest editor.
- Green Chemistry:  
Analyze the needs and requirements as well as existing offers to decide about SCS initiatives in this filed.
- ILMAC Lausanne:  
On September 2018 again participation of the SCS and DIAC at a Forum of the ILMAC in Lausanne
- FH visits and discussions with young chemists of 2018:  
Open sessions will be planned for September 2018 at the FH Murtens, inviting young students to a DIAC presentation and discussion.
- Swiss Industrial Chemistry Symposium (SICS) 2018:  
19.10.2018, University of Basel, Department of Chemistry. Basically, the same committee members as in 2016 will organize the event.
- DIAC Workshop:  
08.-09.11.2018, place to be defined

#### Division of Medicinal Chemistry & Chemical Biology DMCCB

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

Dr. Yves Auberson

2017 has been a good year for the DMCCB, both through the events it organized and its participation in activities sponsored by the EFMC (European Federation of Medicinal Chemistry). It further implemented its communication efforts, to better interact with members and to increase the visibility of the DMCCB to non-members, including through social media.

#### Activities, Symposia, Conferences, Projects 2017

*Frontiers in Medicinal Chemistry 2017* was organized jointly by the German Chemical Society (GDCh), the German Pharmaceutical Society (DPhG) and the DMCCB at the University of Berne, 12-15 February 2017, and was attended by 163 participants. The program comprised two general interest sessions (chemical biology, highlights in medicinal chemistry) and four specialized sessions (immune-oncology and immunomodulation, protein degradation, liver diseases, computer-aided drug design). [scg.ch/fimc/2017](http://scg.ch/fimc/2017)

The *ACSMEI-EFMC Medicinal Chemistry Frontiers 2017* took place in Philadelphia, USA in June, including a session organized by the DMCCB president on positive allosteric modulators. [wizard.musc.edu/frontiers2017](http://wizard.musc.edu/frontiers2017)

The *DMCCB session at the SCS Fall Meeting* allowed for six presentations from industry, and seven from Academia. Jacques Saarbach (Uni Genève) received an award for the best oral presentation. Elinam Gayi (University of Geneva) and Maryline Dong (ETH Zürich) received the best poster awards.

#### Changes in the Board

- Fides Benfatti (Syngenta) was elected to the board, succeeding Jérôme Cassayre as the Agrochemistry representative.
- Laurenz Kellenberger (Basilea) resigned from the board, and Cornelia Zumbunn (Idorsia) took over his role as Secretary.
- Kristina Goncharenko (Spirochem) joined the board a.i. (to be confirmed at upcoming elections) and will take care of implementing a DMCCB Young Chemist Network.

#### Outlook 2018

- The DMCCB Basel Symposium on "Novel chemical space and tools for chemical biology, medicinal and agrochemistry" will take place on May 14, 2018.
- The DMCCB is involved in the organization and scientific contents of the EFMC-ISMC 2018 in Ljubljana, Slovenia (Sept 2-6,

2018). Great experience before the next EFMC-ISMC 2020, in Basel.

- The 13th Swiss Course on Medicinal Chemistry will take place in Leysin Oct 7–12, 2018, combining courses and workshops, it is a great refresher on medicinal chemistry principles and applications. [scg.ch/scmc/2018](http://scg.ch/scmc/2018)
- More info in our newsletter, and by following the DMCCB on LinkedIn, Facebook or Twitter.

### 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

- CHIMIA column: the Division published five Polymer & Colloid highlights this year.
- At the PCI Session of the SCS Fall Meeting 2017 scientific results were presented and discussed in 14 talks. Further scientific exchange took place at the poster session with 48 contributions.

#### Outlook 2017

- Polycoll meeting in spring/summer 2018.
- Ph.D: Award 2017.
- DPCI Highlights in Chimia

### Division of Chemical Education DCE

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

David Spichiger

#### Conferences and Activities

Given its increasing importance, the Swiss Chemical Society extends its activities into the area of chemical education and formally approved the implementation of a Division of Chemical Education (DCE) at its General Assembly in Bern on April 21, 2017.

#### The goals of the DCE

The new Division shall support the interaction of educators and teachers of chemistry at all levels. The possibility to interact with scientists of the other SCS divisions will create bridges between research and education:

- Establish a platform for the exchange of educational know-how at all levels (horizontal integration) and also between educational levels (vertical integration).
- Extend the current offerings on training courses and workshops for chemistry teachers at all levels: showing and sharing best practice.
- Create opportunities for chemistry teachers at all levels to establish contacts to researchers from industry and academia (and vice versa) and preparation of current research topics for their deployment in chemical education and training
- Present chemistry as an essential area of science and improve the public opinion and awareness.

#### Partners

- Simply Science (by scienceindustries)
- educa.MINT – MINT-Angebote auf einen Blick
- interpharma
- Verein Schweizerischer Naturwissenschaftslehrer
- SCNAT, Promotion of Young Scientists

#### Offers

- *ChemEdu Conferences*: platform for chemistry teachers of all levels to meet and exchange, covering chemical education from primary school approaches up to academic studies at Universities and Universities of Applied Sciences.
- *CHIMIA issue*: articles about best practice in chemical education will be published in CHIMIA 1-2/2018
- *Balmer Prize*: annual award for teachers working in Switzerland at high school (gymnasium) level for innovation in chemistry teaching

- *Dr. Max Lüthi Award*: annual award for an outstanding diploma thesis in chemistry conducted at a Swiss University of Applied Sciences

#### Board Members 2017

- Prof. Dr. Antonio Togni, ETH Zürich  
President and representative of Universities
- Dr. Markus Müller, Kantonsschule Frauenfeld  
Representative of High Schools
- Dr. Thomas Berset, FHNW, Muttenz  
Representative Primary School and PH
- Prof. Catherine E. Housecroft, University of Basel  
Representative of Universities and Author of ChemEdu Books
- Dr. Olimpia Mamula Steiner, HEIA Fribourg  
Representative Universities of Applied Sciences
- Prof. Götz Schlotterbeck, FHNW, Muttenz  
Representative Universities of Applied Sciences
- Dr. Thomas Flüeler, Stiftung SymplyScience  
Representative scienceindustries and SimplyScience (inter-trade organizations)
- Jeanine Hermann, interpharma  
Representative Sek I & II
- Hans Peter Lüthi, SCS Foundation  
Representative SCS Foundation, coordination of activities between SCS and SCS Foundation

#### Outlook and Priorities for 2018

- Define additional initiatives to establish the DCE within the society and align existing offers to the DCE strategy
- Implement a CHIMIA column on chemical education
- ChemEdu 2018 will again take place parallel to the SCS Fall Meeting in Lausanne on 07.09.2018.
- Partnering with the
- Support the “VSN-Zentralkurs Chemie” as partner
- Organize two SCS Seminars for PhD and young industrial scientists in collaboration with other SCS divisions.

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Berne, January 2017

## Appendix

### Reports from Member Societies

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#### Swiss Association of Computational Chemistry SACC

Jürg Hutter, *President*

##### Activities, Symposia, Conferences, Projects 2017

###### *SACC Spring Meeting 2017*

The Association held its Spring Meeting on February 9, 2017 at the EMPA Akademie in Dübendorf. There were five invited talks with speakers from industry. Speakers were Torsten Luksch (Syngenta), Susanne Salzmann (BASF), Rainer Wilcken (Novartis), Christian Kramer (Hoffmann-La Roche), and Costas Bekas (IBM Research). There were a total of 63 registered attendees and 25 posters presented at the Poster Session.

###### *SACC Fall Meeting*

The SACC Fall Meeting coincided with the 53<sup>rd</sup> Symposium on Theoretical Chemistry held in Basel from 21.-25. August 2017. Within the Symposium a special session was reserved for the SCG and SACC Fall Meeting. The special SCG session on Computational Chemistry was organized by Prof. Markus Meuwly (University of Basel) and Prof. Anatole von Lilienfeld (University of Basel) and chaired by Dr. Tomasz Wesolowski (University of Geneva). There was a total of 10 contributed talks.

##### Outlook 2017

- The association will hold its Spring Meeting on February 7, 2018 at University of Bern. There will be five invited talks on a variety of topics and a general poster session.
- The SACC Fall Meeting will be held as part of the SCS Fall Meeting in Lausanne on September 7, 2018.

#### Verein Schweizerischer

#### Naturwissenschaftslehrer VSN:

www.vsn.ch, www.sspsn.ch, www.asisn.ch

*Dr. Klemens Koch*

##### Activities, Symposia, Conferences, Projects 2017

- Journée de formation continue de chimie (Commission romande de chimie): 12. Sept. 2017 : journée de démonstrations de chimie à l'EPFL
- Mitwirkung an «Future of Chemical Education» an der Jahresversammlung der SCG: 22. Aug. 17 an der Universität Bern
- Herausgabe Vereinszeitschrift c+b (Chemie + Biologie), jährlich drei Ausgaben, Redaktor: Manuel Fragnière

##### Changes in the Board

Nouveau: Anne-Laure Rauber, Gymnase français de Bienne, für Marie-Pierre Chevron (Präsidentin CRB)

Current members: Andreas Bartlome (Präsident DCK), Anne-Laure Rauber, (Präsidentin CRB), Maurice Cosandey, Roger Deuber (Webmaster), Manuel Fragnière (Redaktor c+b und président CRC), Christine Guesdon Lüthi (website französisch), René Gfeller (repräsentant de la CRB), Régis Turin (Kassier), Emanuel Marion-Veyron und Klemens Koch (Präsident VSN)

##### Outlook 2018

- Weiterbildungen in allen Fachkommissionen, z. B.  
Cours de chimie : traitements de surface par voie sèche et voie humide
- La fertilité des sols, lombricomposte
- Observation des Cétacés aux Açores
- Géologie des Alpes calcaires dans le Chablais
- Zentralkurs Chemie 2018 in Solothurn
- Mitarbeit bei einem Kurs „Robotique“ 2018 an der EPF Lausanne

##### Number of Members and Development

- Members as per 31.12.2017: 460