



Events

Congresses, Symposia, Lectures, Education Courses

SCS CONFERENCES AND SYMPOSIA

Swiss Summer School 2019: Trends in Organic Synthesis



August 18–22, 2019
Eurotel Victoria, Villars-sur-Ollon

The Swiss Summer Schools, also referred to as Villars Summer Schools, are one-week out-of-town course/conference-type events for MSc, PhD and postdoctoral students with a focus on selected topics. They offer a platform for the active scientific exchange between

students and lecturers, and between the participants themselves. The students are expected to actively be involved by presenting a poster or a short communication on their research.

Researchers from industry as well as students from abroad are most welcome to participate.

There will be a series of special lectures presented by researchers from industry. After the lecture, and throughout the evening, the lecturers will be available for discussion with the participants.

The Villars Summers Schools have a long tradition and date back to the séminaires du 3^{ième} cycle of the 1960ies. Until recently, they were organized by a consortium of universities (Bern, Fribourg, Neuchâtel, Zurich and the EPFL) and are now held as a national event organized by the Swiss Chemical Society as part of its SCS Seminar Series.

Lecturers and Experts:

- Prof. Darren Dixon, University of Oxford
- Prof. Corey Stephenson, University of Michigan
- Prof. Shunsuke Chiba, NTU Singapore
- Prof. Ilhyong Ryu, Osaka Prefecture University
- Prof. Herbert Mayr, LMU Munich
- Dr. Joanna Wencel-Delord, University of Strasbourg

Industry Presentations:

- Fimenich: Dr. Maud Reiter, Director of New Ingredients Discovery, and Dr. Lionel Saudan, Principal Scientist
- Idorsia Pharmaceuticals Ltd.: Dr. Christoph Boss, Senior Director Medicinal Chemistry, Oncology
- Givaudan Schweiz AG: Dr. Fridtjof Schroeder, Research Fellow
- ChemSpeed: Dr. Steffen Eller, Head Workflow/Chemistry/Support
- Lonza: Dr. Michaël Bersier, Laboratory Head Process-Research

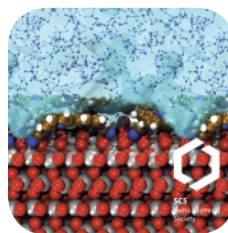
Chairs:

Prof. Philippe Renaud, University of Bern
Prof. Christian Bochet, University of Fribourg

Contact: Dr. Hans Peter Lüthi, SCS Foundation

Website: scg.ch/scs-seminars/2019-1

SCS Fall Meeting 2019



September 6, 2019, 09.00–18.45h
University of Zurich, Irchel Campus
For generations of young chemists educated in Switzerland, the Fall Meeting has been a great platform to present their research – often for the first time ever at a major conference – and to be inspired by the people you get to meet.

The Scientific Program offers Award Lectures presented by leaders in their respective fields, as well as invited and contributed lectures in eight thematic sessions. For each of these, there also is a poster session. All in all, we expect about 600 scientific presentations.

Program

- 09.00 Registration / Welcome Coffee
- 09.45 Welcome and conference opening
Prof. Roger Alberto, Chair SCS Fall Meeting
- 09.50 Sandmeyer Award Lecture 2019
Dr. Michael Berg, Dr. Stephan Hug, Dr. Annette Johnson (in memoriam), Dr. Andreas Voegelin and Prof. Lenny Winkel, Eawag, Dübendorf
«Arsenic and other Geogenic Contaminants in Groundwater – a Global Challenge»
- 10.20 SCS Industrial Science Award Lecture 2019
Dr. Christoph Boss, Idorsia Pharmaceuticals Ltd.
«20 Years of Medicinal Chemistry – Always look at the bright side (of life)»
- 10.50 Short break
- 11.00 Morning Parallel Session
 - Analytical Sciences (AS)
 - Catalysis Science & Engineering (CE)
 - Computational Chemistry (CC)
 - Inorganic & Coordination Chemistry (IC)
 - Medicinal Chemistry & Chemical Biology (MC)
 - Organic Chemistry (OC)
 - Physical Chemistry (PC)
 - Polymers, Colloids & Interfaces (PCI)
- 12.45 Lunch and Poster Session (420 posters)
Commercial Exhibition
- 13.15 General Assembly of the Swiss Young Chemists' Association (SYCA)
- 15.00 Afternoon Parallel Session
Same sessions as in the morning
- 16.45 Break and coffee / refreshments
- 17.00 SCS Announcements
New Helvetica Prize of the Swiss Chemical Society 2019 (best published papers of PhD/Postdocs 2018/19)
Ceremony Exhibitor Challenge
- 17.15 Grammatikakis-Neumann Award Lecture 2019
Prof. David Sarlah, University of Illinois, Urbana (USA)
«Photochemical Dearomatization of Nonactivated Arenes»

- 17.45 SCS Senior Industrial Science Award Lecture 2019
Dr. Fabrice Gallou, Novartis Pharma AG
«Alternative solvents: from a compliance-driven activity to a trigger for innovation»
- 18.15 Best Oral Presentation Awards (sponsored by Metrohm)
- 18.15 Best Poster Presentation Awards (sponsored by DSM)
- 18.45 End of the conference

The best student oral and poster-presentations of each session will be awarded prizes. The SCS Metrohm and DSM Award Programs are among the most highly remunerated, and the Award Ceremony at the end of the meeting marks one of the highlights of the event.

Co-Chairs:

Prof. Roger Alberto, University of Zurich / DFR President and
Dr. Hans Peter Lüthi, ETH Zurich / SCS Foundation

Website: <http://scg.ch/fallmeeting/2019>

ILMAC 2019 and Swiss Green & Sustainable Chemistry Days 2019



September 24–27, 2019
Messe Basel, Switzerland
The Swiss Green & Sustainable Chemistry Days 2019 will focus on sustainable solutions to society's big challenges and the contributions that chemical sciences can and must provide. ILMAC is Switzerland's only trade fair for process and laboratory technology and takes place on a yearly basis alternating between Basel and Lausanne. It was held for the first time in 1959.

Program Tuesday, September 24, 2019

- 09.00 Opening of ILMAC
- 14.00 Exhibitor Talks
4 slots à 15 min and 2 slots à 30 min

Program Wednesday, September 25, 2019

SusChem Lunch Symposium

- 10.30 Prof. John Warner, Warner Babcock Institute for Green Chemistry (USA)
«Green Chemistry: The Molecular Mechanisms of Sustainability and Innovation»
- 11.00 Prof. Matthias Beller, University of Rostock (GER)
«Precious Catalysis with Non-Noble Metal Catalysts»
- 11.30 Prof. Rebecca Buller, ZHAW Wädenswil
«Harnessing Nature: Biocatalysis for Industrial Applications»
- 12.00 Prof. Jeremy Luterbacher, EPFL Lausanne
«Chemical Functionalization Facilitates the Production of Renewable Chemicals from Plants»
- 12.30 Dr. Benjamin Martin, Novartis
«Continuous Manufacturing as an Enabling Tool with Green Credentials in Early-Phase Pharmaceutical Chemistry»
- 14.00 Exhibitor Talks
4 slots à 15 min and 2 slots à 30 min

Swiss Women in Chemistry Inauguration Gala Night

- 17.30 Registration & Welcome Drinks
- 18.00 Career Women in Chemistry presentations:
Dr. Maria Inès Velazco, Consultant at MIV Senses, former SVP R&D at Firmenich SA
Dr. Leslie A. Fendt, AI integrated Strategy Leader, Global Launch Leader, Ulcerative Colitis at Hoffmann-La Roche AG
- 18.30 Gala Night

Organizing Committee: Dr. Rachel Hevey, University of Basel, Prof. Rebecca Buller, ZHAW Wädenswil, Dr. Maud Reiter, Firmenich SA

Program Thursday, September 26, 2019

SusChem Lunch Symposium

- 10.30 Prof. James Clark, University of York (US)
«Setting the Scene, the 12 Principles of G&SC»
- 11.00 Dr. Georg Wuitshick, Roche
«ChemPager: Greener Processes through Data Analysis»
- 11.30 Dr. Martin Vollmer, Clariant
«Sustainability fuels Innovation»
- 12.00 Dr. Nicoletta Piccolrovazzi, Dow Olympics
«Sustainability Application concepts»
- 12.30 Dr. Juliette Secot-Crevet / Dr. Gilles Oddon, Firmenich
«Firmenich EcoScent Compass™: First Holistic Fragrance Sustainability Measurement»
- 14.00 Exhibitor Talks
4 slots à 15 min and 2 slots à 30 min

SusChem Discussion Roundtables

Meet experts, potential partners and friends from industry academia and government.

- 16.30 Round table topics:
- Renewable feedstock: can we move away from petrochemicals?
 - Chemo vs. Biocatalysis: complementarities and synergies
 - Big data, Process control and Industry 4.0.
 - Artificial Intelligence: How can it contribute to sustainability?
 - Environmental sciences
 - Electrochemistry / Photochemistry

SusChem Evening Session

- 18.00 Welcome and Opening of the Gala
Dr. Alain De Mesmaeker, Syngenta and President of the Swiss Chemical Society
Dr. Matthias Leuenberger, Novartis and President of scienceindustries
- 18.10 Prof. John Warner, Warner Babcock Institute for Green Chemistry (USA)
«Green Chemistry: The Molecular Mechanisms of Sustainability and Innovation»
- 18.30 Dr. Rafael Cayuela, Dow Chemicals
«The Chemical Industry under the 4th Industrial Revolution»
- 19.00 Panel Discussion: J. Warner, Warner Babcock Institute for Green Chemistry, R. Cayuela, Dow Chemicals; N. Piccolrovazzi, Dow Olympics; M. Vollmer, Clariant; J. Gonzalez-Valero, Syngenta; J. Clarc, entrepreneur.
Moderator: B. Magarinos-Ruchat, Firmenich
- 19.45 Networking, post panel discussions
- 20.30 End of the evening session

Program Friday, September 27, 2019**SusChem Lunch Symposium**

- 10.30 Prof. Roger Marti, HEIA Fribourg
«Ionic Liquids – from Green Solvents to Engineering Fluids; 10 Years of Research at ChemTech»
- 11.00 Prof. Urs Baier, ZHAW Wädenswil
«Biological Methanation: a chance as well as a challenge for CO₂ upgrading»
- 11.30 Prof. Wolfgang Riedl, FHNW Muttenz
«In-situ extraction of carboxylic acids out of fermentations broths using membrane contactors: A more sustainable pathway to platform chemicals (without waste streams)»
- 12.00 Dr. Michael Altorfer, Swiss Biotech Association
«Swiss Biotech Success Stories»
- 12.30 Dr. Max Lüthi Award Ceremony 2019 and Lectures
Ms. Sandra Witschard, ZHAW
«Voxelated Planar Spheroid Tissue Assembly»
Mr. Ivan Cornu, HEIA-FR
«Synthesis of New Pinene-Phenanthroline and Pinene-Terpyridine Type Ligands»

SCS Seminar 'Green & Sustainable Chemistry' Wednesday, September 25 – Friday, September 27, 2019

The SCS Seminar for PhD students, Postdocs and junior PM from industry provide an integrated training program:

- Lunch & Learn sessions as expert inputs
- Workshops with the lecturers
- Networking at the roundtables and the gala night
- Training in problem solving and presentation skills

More information and registration on
<https://ilmac19.chemistrycongresses.ch/en/scs-seminar>

ILMAC Exhibitor Talk Challenge

Apply for a short presentation (15 min) in the ILMAC forum on Wednesday or Thursday afternoon and present your contribution to a more sustainable world!

- Applications are welcome from ILMAC exhibitors
- Application deadline is June 30, 2019
- The best 3 talks will be awarded the ILMAC Exhibitor Talk Award 2019
- Apply on scg.ch/ilmac/2019

Project Exhibition

Exhibition at the booth of the SCS with joint initiatives from Universities of Applied Sciences and industrial partners. Get in contact with the project leaders, learn about their experience, check out test plants/gadgets and discuss about potential collaborations.

- Haute Ecole Spécialisée de Suisse occidentale HES-SO, School of Engineering and Architecture of Fribourg
- Fachhochschule Nordwestschweiz, FHNW, Institute of Chemistry and Bioanalytic
- Zurich University of Applied Sciences, ZHAW, Institute of Chemistry and Biotechnology

SCS Network Village

Inform yourself about the Swiss Chemical Society and its activities as well as its ILMAC partners (hall 1.1):

- Swiss Chemical Society
- SusChem Switzerland
- Haute Ecole Spécialisée de Suisse occidentale, HES-SO
- Fachhochschule Nordwestschweiz, FHNW
- Zurich University of Applied Sciences, ZHAW
- scienceindustries
- Schweiz. Koordinationsstelle für Biotechnologie, SKB

- Swiss Biotech Association, SBA
- Schweizerischer Verband Diplomierter Chemiker FH, SVC
- Swiss Process and Chemical Engineers, SGVC

SCS coffee/aperitif bar

Meet at the SCS coffee/aperitif bar to refresh yourself and to get in contact with members of the affiliated communities.

Access and Registration

Participation for all activities (except the SCS Seminar) is free of charge. To enter ILMAC register on the fair website and enter the promotion code SCS-SUSCHEM. Each day visit requires a separate registration.

Organizing Committee

- Dr. Edouard Godineau, Syngenta
- Dr. Fabrice Gallou, Novartis
- Dr. Maud Reiter, Firmenich
- Prof. Paul Dyson, EPFL Lausanne
- Prof. Christophe Copéret, ETH Zurich
- Dr. Hans Peter Lüthi, SCS Foundation
- David Spichiger, Swiss Chemical Society

Website: scg.ch/ilmac/2019

Keine halben Sachen.



Die Welt ist voll von Halbwissen. Besonders im sensiblen Umfeld der Chemie ist dies jedoch fehl am Platz. Deshalb arbeiten wir seit 1947 mit Leidenschaft und Liebe zum Detail daran, dass evaluierte Daten und Fakten rund um das Themenfeld Chemie zur Verfügung stehen. Immer. Und ohne Ausnahme. So wurde „Der RÖMPP“ Synonym für inzwischen über 65 000 Stichwörter und über 240 000 Querverweise, auf die man sich verlassen kann. Das sollten Sie sich am besten selbst anschauen.

Sonderkonditionen für SCG-Mitglieder.

Nur 100% sind 100%.
www.roempp.com

 **Thieme**

SCS-Syngenta Symposium 2019 «Welcome to the One Electron World»



October 17, 2019, 08.30–17.30h
Syngenta Crop Protection AG, Research Center Stein (AG)

This symposium is an opportunity to strengthen the link between chemical industries and academic laboratory. It takes place every other year and each issue focus on a special topic.

Program Thu, October 17, 2019

08.00h Registration

Session 1:

08.50 Welcoming and opening remarks

09.00 Plenary Lecture 1

Prof. Samir Zard, Ecole Polytechnique, Paris, France

09.50 Invited Lecture 1

Prof. Robert Francke, Universität Rostock, Germany

10.15 Invited Lecture 2

Prof. Chao-Zhong Li, Shanghai Institute of Organic Chemistry, China

10.40 Coffee Break

Session 2:

11.10 Invited Lecture 3

Prof. Nico Bruns, University of Strathclyde, Glasgow

11.35 Plenary Lecture 2

Prof. Derek Pratt, University of Ottawa, Canada

12.25 Lunch and Poster Session

Session 3:

14.25 Invited Lecture 4

Prof. Cristina Nevado, University of Zurich

14.50 Invited Lecture 5

Prof. David Procter, The University of Manchester

15.15 Invited Lecture 6

Dr. Andreas Herrmann, Firmenich SA, Geneva

15.40 Coffee Break

16.10 Plenary Lecture 3

Prof. Robert Knowles, Princeton University, USA

17.00 Closing remarks

17.30 Aperitif

Registration is mandatory via the website.

Website: scg.ch/syngenta-symposium/2019

NON-SCS CONFERENCES IN SWITZERLAND

01.07.–31.12.2019

19th International Conference on Biological Inorganic Chemistry (ICBIC-19)

11.–16.08.2019, Congress Centre, Kursaal Interlaken

The ICBICs were founded 1983 in Florence, Italy, with the first conference of this series. The conferences take place on a bi-annual basis in different countries all around the world and are doubtlessly the most important event in the area of Biological Inorganic Chemistry. Attracting scientists from all over the world, the ICBICs provide the major platform to present and discuss the latest developments in the field.

www.chem.uzh.ch/en/icbic19.html

Annual Meeting of the Swiss Physical Society and Austrian Physical Society

26.–30.08.2019, University of Zurich

Die nächste Jahrestagung, erneut gemeinsam mit der Österreichischen Physikalischen Gesellschaft (ÖPG), findet vom 26. bis 30. August an der Universität Zürich statt. An den Vormittagen werden Plenarvorträge von renommierten Sprechern gehalten, während an den Nachmittagen in thematischen Parallelsitzungen vertiefte Diskussionen stattfinden können. Eine Posterausstellung rundet das wissenschaftliche Programm ab.

Das Programm wird weiter durch die direkte Beteiligung von Association MaNEP (Materials with Novel Electronic Properties), dem NCCR QSIT (Quantum Science and Technology) und der Schweizerischen Gesellschaft für Neutronenforschung (SGN) bereichert, wodurch die neuesten Fortschritte in einem breit gefächerten Themenspektrum beleuchtet werden. Eine hervorragende Tagung mit bester Physik ist damit garantiert.

Die eigentliche Konferenz wird von Dienstag 27. bis Freitag 30. August stattfinden, während der Montag 26. August zwei Pre-Conference Workshops und internen Sitzungen gewidmet sein wird.

<https://www.sps.ch/events/gemeinsame-jahrestagung-2019/>

2nd Swiss & Surrounding Battery Days

26.08.2019, EMPA Akademie, Dübendorf

Empa, PSI, and BFH jointly organize the 2nd edition of the Swiss Surrounding Battery Days taking place on August 26–28 at Empa Academy in Dübendorf. The aim of this event is to provide young Swiss researchers, active in the field of battery materials research and cell manufacturing, a platform to present their results and to connect to renowned battery researchers from the surrounding countries. The event offers a unique opportunity to strengthen and expand the network among and to the Swiss battery community. The scope of the event ranges from the synthesis and characterization of battery materials to their integration into electrodes and cells, including topics related to cell manufacturing. August 28 is reserved for talks concerning the European battery agenda and aspects of industrial cell manufacturing at scale.

<https://swissbatterydays.empa.ch/overview>

Chemistry Demonstration Day 2019 for High School Chemistry Teachers

10.09.2019, EPFL Lausanne, hall CO3

EPFL and the Association of High School Chemistry Teachers from the Canton de Vaud are organizing a Demonstration Day in memory of the 150th anniversary of Mendeleev's table of the elements.

A group of chemistry teachers will show their best classroom demonstrations about the properties of the main chemical elements, using simple equipment like test tubes and beakers.

<https://www.epfl.ch/schools/sb/fr/home-fr/chimie/scgc/formation-denseignants-du-secondaire/chemistry-demonstration-day/>

Basel Life: Peptide Therapeutics Forum

11.–12.09.2019, Congress Center Basel, Room Rio

The forum will highlight important new insights regarding the drug discovery of peptides including examples for successful development. The first day is dedicated to topics to be addressed more early during peptide optimization, and the second day focuses more on issues related to later-stage development. As in the past, this event is thought to disseminate information on latest news in the broad field of therapeutic peptides and to enable networking of interested parties from academia and industries.

<http://www.basellife.org>

ScienceComm '19

19.–20.09.2019, Volkshaus Biel

Auf der ScienceComm'19 werden partizipative Formate überwiegen, z.B. Workshops, World-Cafés, BarCamps, Dialog Sessions etc. Das Motto lautet; „I trust Science, but ...“. Im Zentrum stehen das Vertrauen in die Wissenschaften und deren Widersprüche.

Wir sind besonders an aktuellen und gesellschaftlich kontroversen Themen der Wissenschaftskommunikation interessiert, wie z.B. die kürzlich erfolgte Keimbahntherapie in China, Gentechnologie, synthetische Biologie, Tier- und Menschenversuche, Zukunft der Arbeitswelt, künstliche Intelligenz, Migration, Globalisierung, Zukunft der Energieversorgung, Mobilität etc.

www.sciencecomm.ch/

Chirality @ The Nanoscale Conference

13.–17.10.2019, Congressi Stefano Franscini (CSF), Ascona

Chirality is omnipresent in the universe and in particular significant in the biomolecular world. But it also encompasses new materials and novel physical effects. Beyond the classical issues of molecular chirality, the conference will address materials science topics and new phenomena involving chirality, such as molecular machines, nanoparticles, organic electronics, liquid crystals, electron spin filtering and selective interactions with light.

nanochiral.empa.ch

TEDD Annual Meeting 2019

24.10.2019, ZHAW Institut für Chemie und Biotechnologie, Wädenswil

«Cell Sourcing and Stem Cells for Drug Development»

Primary and stem cells are becoming important sources for the generation of organotypic tissue models used in many biopharmaceutical applications, regenerative medicine, disease modelling and drug discovery. They promise to revolutionise the drug discovery process at all stages, from target identification through to toxicology studies.

<https://www.zhaw.ch/icbt/tedd>

LECTURES JULY 2019**University of Basel
Inorganic and Organic Chemistry**

Department of Chemistry, St. Johannis-Ring 19, 4056 Basel

<http://www.chemie.unibas.ch>



Prof. Masahiro Miura, Osaka University, Osaka, Japan
18.07.2019, 17.30 h, Kleiner Hörsaal OC, Organische Chemie, Departement Chemie

«Development of direct aromatic coupling reactions by transition metal catalysis»

Prof. Rylan Lundgren, University of Alberta, Canada
29.07.2019, 10.45 h, Kleiner Hörsaal OC, Organische Chemie, Departement Chemie

«Discovery, mechanism and application of chemoselective cross-coupling reactions»

University of Bern

DCB, Freiestrasse 3, 3012 Bern

<http://www.dcb.unibe.ch>



Prof. Beate Röder, Humboldt-Universität zu Berlin, Berlin, Germany
17.07.2019, 14.00 h, Hörsaal S379

PhD Programm

**University of Geneva**

Science II, 30 quai Ernest Ansermet,

1211 Genève 4

<http://www.unige.ch/sciences/chiorg/>



Prof. Richard Payne, University of Sidney, Australia
05.07.2019, 16.30 h, Auditoire 1S059

«Accelerated Chemical Synthesis of Modified Proteins via Novel Ligation Technologies»

FURTHER EDUCATION IN CHEMICAL ANALYSIS

The Division of Analytical Sciences (DAS) of the Swiss Chemical Society (SCS) offers a wide range of further education courses in the fields of analytical sciences such as separation, spectroscopy, analytical applications, methods of biotechnology and life sciences as well as quality assurance and information management.

From beginners to experts, all level of users are within our target group. We offer our courses in collaboration with industrial partners to ensure the relevance of application.

Course Categories

- Special techniques
- Quality assurance
- Spectroscopy
- Separation technology

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