



## Events

Congresses, Symposia, Lectures, Education Courses

### SCS CONFERENCES AND SYMPOSIA

#### 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 laboratories. 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  
«Radical Alliances. Solutions and Opportunities for Organic Synthesis»

09.50 Invited Lecture 1

Prof. Robert Francke, Universität Rostock, Germany  
«Catalysis of redox-neutral reactions by electron exchange between electrodes and organic compounds»

10.15 Invited Lecture 2

Prof. Philippe Renaud, University of Bern, Switzerland  
«Radical Reactions Involving Boron Reagents»

10.40 Coffee Break

##### Session 2:

11.10 Invited Lecture 3

Prof. Nico Bruns, University of Strathclyde, Glasgow  
«Enzymatic Atom Transfer Radical Polymerizations: From Sustainable Polymer Synthesis to Malaria Diagnostics»

11.35 Plenary Lecture 2

Prof. Derek Pratt, University of Ottawa, Canada  
«Autoxidation and its Inhibition: From Hydrocarbons to Lipid Bilayers and Living Organisms»

12.25 Lunch and Poster Session

##### Session 3:

14.25 Invited Lecture 4

Prof. Cristina Nevado, University of Zurich  
«Fine-tuning radicals with Nickel»

14.50 Invited Lecture 5

Prof. David Procter, The University of Manchester  
«Catalytic radical reactions with SmI<sub>2</sub>»

15.15 Invited Lecture 6

Dr. Andreas Herrmann, Firmenich SA, Geneva  
«Light-Induced Fragrance Delivery: from Organic Chemistry to Materials Science»

15.40 Coffee Break

16.10 Plenary Lecture 3

Prof. Robert Knowles, Princeton University, USA  
«Out-of-Equilibrium Transformations for Organic Synthesis»

17.00 Closing remarks

17.30 Aperitif

Registration is mandatory via the website.

Website: [scg.ch/syngenta-symposium/2019](http://scg.ch/syngenta-symposium/2019)

#### Swiss Snow Symposium 2020, organized by the Swiss Young Chemists' Association (SYCA)



January 24–26, 2020, Saas-Fee (VS)

The 18<sup>th</sup> edition of this traditional symposium takes place in Saas-Fee again and provides a innovative platform for young chemists to present their work and to exchange their experience.

A well balanced mix between lectures, short talks and poster session as well as get-togethers at the hotel bar and snow

fun activities on the slopes of the Allalin-Mountain guarantee a unique experience of science and fun.

Venue: Swiss Family Hotel Alphubel, Saas-Fee

Participation Fees:

- SCS Members: CHF 180.00
- Non-SCS Members: CHF 260.00

The number of participants is limited to 60 and we confirm the participations on a first-come-first-serve basis.

The fees include meals, accommodation and the symposium fee. Not included are ski tickets and consummation at the bar.

Kontakt:

Dmitry Vasilyev, EPFL Lausanne  
[dmitry.vasilyev@epfl.ch](mailto:dmitry.vasilyev@epfl.ch)

Website: [scg.ch/sss/2020](http://scg.ch/sss/2020)

### NON-SCS CONFERENCES IN SWITZERLAND

01.10.2019–28.03.2020

#### 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 sci-

ence 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](http://nanochiral.empa.ch)

### What can we learn from N<sub>2</sub>O isotope data?

23.–24.10.2019, EMPA Dübendorf

The main objective of this user workshop is to foster knowledge exchange and collaboration among experts from multiple research fields, related to the N<sub>2</sub>O cycle. This includes research topics like advanced analytical methods, reaction kinetics and theory of isotope effects of N<sub>2</sub>O up to data interpretation by applying up-to-date modelling approaches. The following scientific questions will be addressed:

- Which analytical techniques should I select for my experiment?
- Provide information on state of the art techniques, pros and cons and their benchmark performance.
- What are the reaction mechanisms responsible for N<sub>2</sub>O production/destruction?
- Provide know-how on reaction pathways, intermediates and associated isotope fractionation effects.
- Which experimental design/ modelling approach will answer my research questions?

Provide an overview on natural abundance and <sup>15</sup>N tracer techniques as well as modelling approaches.

<https://events.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>

### Plastics Update Conference

14.11.2019, Hochschule für Technik und Architektur, Auditorium Edouard Gremaud, Fribourg

The 4<sup>th</sup> Plastics Update Conference informs on state-of-the-art thinking and proposes technology that can make a difference to transform industry and engage ensuring humanity can continue to enjoy the benefits of planet and plastics in a sustainable way. International speakers are highlighting the main ambitions of the EU strategy and present implementable actions to address the challenges for realizing a sustainable circular economy for plastics.

Three topics are expanded upon

- Design for Recycle
- Biomass-based Plastics
- Innovative Plastics.

<https://plasticsupdate.picc.center>

### SPS symposium for the 125<sup>th</sup> Anniversary of Georges Lemaître (cosmology)

21.11.2019, 14.15–20.00h, Kuppelsaal of the University of Bern  
The symposium organised by the Swiss Physical Society in collaboration with the Platform MAP of SCNAT will celebrate the 125<sup>th</sup> Anniversary of Georges Lemaître, nowadays recognised as the central founding father of the Big Bang model of the Universe.

Special Lecture on the IYPT 2019:

19:00 Friedrich-Karl Thielemann, Universität Basel

«Making the Elements in the Universe: From the Big Bang to Stars and Stellar Explosions»

<http://naturalsciences.ch/organisations/map/117006>

### ChemMetBio 2020: Chemistry of Metal Ions & Nanoparticles in Biology

17.01.2020, Chemistry Department of University of Fribourg, PER10 building, Fribourg

The main goal of this event is to learn about interdisciplinary works between inorganic chemistry and biology. To allow this, we invited speakers coming from Europe (Switzerland, France, Portugal and United Kingdom) and United States of America (Illinois). Moreover, post doctoral researchers and PhD students from the chemistry department of Unifr will held small presentation to share their research. This conference day is open to an international audience.

<http://frommgroup.ch/ChemMetBio/>

## SCS LECTURESHIPS OCTOBER 2019



**Prof. Donna Blackmond**, The Scripps Research Institute, La Jolla, US

Tour dates: October 7–11, 2019

Tour organizer: Prof. Martin Quack, ETH Zurich

Website and picture source:

<https://www.scripps.edu/blackmond/>

- Mon, October 7, 2019, 16.30h  
University of Geneva, lecture hall SCIII 1S059  
«Explaining Mechanistic Anomalies in Organocatalysis: “Downstream Intermediates” and a New Paradigm for Stereocontrol»
- Tue, October 8, 2019, 16.45h  
ETH Zurich, Hönggerberg, lecture hall J3  
«Symmetry Breaking and Asymmetric Amplification via Autocatalytic Self-Replication»
- Wed, October 9, 2019, 16.00h  
EPFL Lausanne, lecture hall BCH 2201  
«Explaining Mechanistic Anomalies in Organocatalysis: “Downstream Intermediates” and a New Paradigm for Stereocontrol»
- Thu, October 10, 2019, 16.30h  
University of Basel, Big lecture room, Physical Chemistry  
«Symmetry Breaking and Asymmetric Amplification via Autocatalytic Self-Replication»
- Fri, October 11, 2019, 16.00h  
University of Zurich /EMPA, Irchel Campus, Y03-G-95  
«Physical Models for the Origin of Biological Homochirality»

The SCS Lectureship tours are financially supported by:



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Swiss Academy of Sciences  
Akademie der Naturwissenschaften  
Accademia di scienze naturali  
Académie des sciences naturelles

## LECTURES OCTOBER 2019

University of Basel  
Inorganic and Organic Chemistry

Department of Chemistry, St. Johans-Ring 19, 4056 Basel  
<http://www.chemie.unibas.ch>

**Prof. Beat Fierz**, EPFL Lausanne

04.10.2019, 10.45h, Small lecture room OC, Organic Chemistry OC lecture

**Prof. Dr. John Bower**, University of Bristol, Bristol, United Kingdom

11.10.2019, 10.45h, Small lecture room OC, Organic Chemistry OC lecture

**Prof. Peter Bäuerle**, Ulm University, Ulm, Germany

18.10.2019, 10.45h, Small lecture room OC, Organic Chemistry OC lecture

**Dr. Alain De Mesmaeker**, Syngenta & President and President of the SCS

25.10.2019, 10.45h, Small lecture room OC, Organic Chemistry AC/OC lecture

## Physical Chemistry

Department of Chemistry, Klingelbergstr. 80, Basel  
<http://www.chemie.unibas.ch>

**Prof. Donna Blackmond**, Scripps Research, La Jolla, CA, USA

10.10.2019, 16.30h, Big lecture room PC, Physical Chemistry  
«Symmetry Breaking and Asymmetric Amplification via Auto-catalytic Self-Replication»  
SCS Lectureship

## University of Bern

Department of Chemistry and Biochemistry  
Freiestrasse 3, 3012 Bern  
<http://dcb.unibe.ch>

**Bryan R. Cullen**, Duke University, Durham, USA

07.10.2019, 16.30h, Lecture Hall U113  
«Viral epitranscriptomics»  
NCCR RNA & Disease Seminar

**Prof. David Bartel**, Massachusetts Institute of Technology, Cambridge, USA

14.10.2019, 16.30h, Lecture Hall U113  
«MicroRNAs»  
NCCR RNA & Disease Seminar

**Dr. Paul Anderson**, Harvard Medical School, Cambridge, USA

21.10.2019, 16.30h, Lecture Hall U113  
«Angiogenin, tRNA and Amyotrophic Lateral Sclerosis»  
NCCR RNA & Disease Seminar

**Dr. Don Benjamin**, Universität Basel, Basel

28.10.2019, 16.30h, Lecture Hall S 481  
Biochemische Vereinigung Bern

## EPFL Lausanne

1015 Lausanne  
<https://sb.epfl.ch/chemistry>  
<https://isic.epfl.ch/PCseminar>

**Prof. Donna Blackmond**, Scripps Research, La Jolla, CA, USA

09.10.2019, 16.00h, Lecture hall BCH 2201  
«Explaining Mechanistic Anomalies in Organocatalysis: “Downstream Intermediates” and a New Paradigm for Stereocontrol»  
SCS Lectureship

## University of Fribourg

Department of Chemistry  
Chemin du Musée 9, 1700 Fribourg  
<http://www.chem.unifr.ch>

**Prof. Mike Zaworotko**, University of Limerick, Ireland

03.10.2019, 17.15h, Big Auditorium 0.013

## University of Geneva

Science II, 30 quai Ernest Ansermet,  
1211 Geneva 4  
<http://www.unige.ch/sciences/chiorg>

**Dr Sarah Sulzer**, Syngenta Crop Protection AG

03.10.2019, 16.30h, Auditoire A-100  
«Synthesis and Fungicidal Activity of Novel Types of Oxysterol-Binding Protein Inhibitors»

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**Prof. Donna Blackmond**, Scripps Research, La Jolla, CA, USA  
07.10.2019, 16.30h, lecture hall SCIII 1S059  
«Explaining Mechanistic Anomalies in Organocatalysis: “Downstream Intermediates” and a New Paradigm for Stereocontrol»  
SCS Lectureship

**Prof. Alois Fürstner**, Max Planck Institute, Mülheim an der Ruhr, Germany  
10.10.2019, 16.30h, Auditoire A-100  
«Nessim-Habif Award Lecture»

**Prof. Jonathan Hall**, ETH Zurich  
25.10.2019, 14.15h, Auditoire A-100

### ETH Zurich

Laboratory of Organic  
Chemistry (LOC), Hönggerberg  
<https://www.chab.ethz.ch>

**ETH zürich**

**Prof. Véronique Gouverneur**, Oxford University, UK  
07.10.2019, 16.00h, ETH Hönggerberg, HCI J7  
«Fluorine Chemistry for Applications in Medicine»  
Prelog Lecture

**Prof. Donna Blackmond**, Scripps Research, La Jolla, CA, USA  
08.10.2019, 16.45h, Hönggerberg, lecture hall J3  
«Symmetry Breaking and Asymmetric Amplification via Auto-catalytic Self-Replication»  
SCS Lectureship

**Dr. Peter Eckes**, BASF SE, Ludwigshafen, Germany  
14.10.2019, 16.00h, ETH Hönggerberg, HCI J7  
LOC Monday Colloquium

### University of Zurich

Department of Chemistry, Irchel Campus,  
<http://chem.uzh.ch>



**Prof. Till Opatz**, Johannes Gutenberg-University Mainz, Germany  
01.10.2019, 17.00h, Lecture Hall Y03-G-95  
«Xylochemistry and Photochemistry with Heterocycles – Towards a Greener Synthesis»

**Prof. Serena DeBeer**, Max Planck Institute for Chemical Energy Conversion, Mülheim a.d.R., Germany  
08.10.2019, 17.00h, Lecture Hall Y03-G-95  
«Beyond the E0 State of Nitrogenase: Spectroscopic Studies of Intermediates in Biological Dinitrogen Reduction»

**Prof. Donna Blackmond**, Scripps Research, La Jolla, CA, USA  
11.10.2019, 16.00h, Irchel Campus, Y03-G-95  
«Physical Models for the Origin of Biological Homochirality»  
SCS Lectureship

**Prof. Wolfgang Schnick**, University of Munich (LMU), Munich, Germany  
15.10.2019, 17.00h, Lecture Hall Y03-G-95  
«Shine a Light on Nitrides»

**Prof. Hashim M. Al-Hashimi**, Duke University School of Medicine, Durham, NC, USA  
22.10.2019, 17.00h, Lecture Hall Y03-G-95

**Prof. Gerald J. Meyer**, University of North Carolina at Chapel Hill, USA  
30.10.2019, 17.00h, Lecture Hall Y03-G-95  
«Mechanisms of Dye-Sensitization at Molecular-Semiconductor Interfaces»

## 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

### Contact:

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**SCS**  
Swiss Chemical  
Society  
Division of  
Analytical Sciences

## InCompany Training Individuelle Beratung und Schulung

Wir organisieren oder erarbeiten gemeinsam mit Ihnen InCompany-Schulungen und -Trainings nach Ihren Vorstellungen und Bedürfnissen. Experten stehen Ihnen für eine persönliche Bedarfsabklärung und Beratung gerne zur Verfügung.

### Ort / Termin

Das Training kann bei Ihnen vor Ort durchgeführt werden. Für Ihre Mitarbeiterinnen und Mitarbeiter fallen keine Reise- und Übernachtungskosten an!  
Es stehen auch Kursräume und Praktikumsräume zur Verfügung. Der Termin wird vereinbart.

### Zielgruppe/Kundenkreis

Kund/-innen, die Bedarf für zusätzliche Aus- und Weiterbildungsmaßnahmen in Ergänzung zum diesjährigen DAS-Angebot haben oder Kurse firmenintern durchführen möchten. Gebühren auf Anfrage.

### Kontakt

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