



## Events

Congresses, Symposia, Lectures, Education Courses

### SCS CONFERENCES AND SYMPOSIA

#### SCS Spring Meeting 2022: Biosupramolecular Chemistry



April 22, 2022, University of Geneva, Department of Chemistry Science II, Auditoire A300

The SCS Spring Meeting is a one-day symposium and provides a high quality program with national and international speakers of a certain topic. The event is held annually and has its origin at the founding meeting of the SCS in 1901.

The topic of the 2022 edition is «Biosupramolecular Chemistry». Non-covalent interactions are increasingly embraced as a central design principle in research areas beyond host-guest chemistry, the cradles of supramolecular chemistry. The biosupramolecular theme of this spring meeting tributes the roots of supramolecular chemistry and covers the growing reaches of molecular recognition principles from organic, inorganic, analytical and physical chemistry toward chemical biology, systems catalysis, and the materials sciences. The unifying aim being to go from structure to function in dynamic systems that are programmed by reversible interactions and inspired by nature.

#### Program

- 09.00 Welcome coffee
- 09.15 Welcome and opening
- 09.30 Prof. Chris Hunter, Cambridge University, UK  
«Evolution Engines»
- 10.15 Prof. Helma Wennemers, ETH Zurich, CH  
«Synthetic Collagen»
- 11.00 Coffee Break
- 11.30 Prof. Tanja Weil, MPI Mainz, DE  
«Supramolecular Biomaterials for Medicinal Applications»
- 12.15 Werner Prize Winner 2022  
Prof. Fabian von Rohr, University of Zurich, CH
- 12.50 Lunch Break
- 13.30 SCS General Assembly 2022
- 14.00 Prof. Hanadi Sleiman, McGill University, CA  
«DNA Nanostructures: Design and Biological Properties»
- 14.45 Dr. Andreas Herrmann, Firmenich SA, CH  
«Dynamic Profragrances – Supramolecular Systems to Control the Release of Volatile Compounds»
- 15.30 Coffee Break
- 16.00 Prof. Wilhelm Huck, Raboud University, NLD  
«Molecular Information Processing Using Complex Chemical Systems»
- 16.45 Prof. Dean Toste, University of California Berkeley, US  
«Catalysis in Confined Spaces»
- 17.30 Prof. Don Hilvert, ETH Zurich, CH  
«The Evolution of a Virus-Like Nucleocapsid from a Bacterial Enzyme»
- 18.15 End and Aperitif

#### Organizing Committee

Prof. Nicolas Winssinger, University of Geneva  
Prof. Stefan Matile, University of Geneva  
Prof. Sascha Hoogendoorn, University of Geneva

#### Registration fees

Participation is free of charge for SCS members.  
Registration fee for non-members: CHF 100.00.

#### Website and Registration

[sm22.scg.ch](http://sm22.scg.ch)

#### YoungSCS online Seminar: Grant Application



April, 27, 2022, online

In the online seminar you will learn how and where to apply for a MSCA grant, get testimonies from different fellows and where to find open MSCA positions. As part of its outreach events, the young-SCS and the Marie Skłodowska-Curie Action organizes this webinar on grant applications for chemistry graduates.

Attendees will have the chance to learn:

- How and where to apply for a MSCA grant
- Get testimonies from different fellows
- Where to find open MSCA positions

Participation is free-of-charge but registration is necessary.

#### Registration

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

#### SCS Conference on Stereochemistry 2022 (Bürgenstock Conference 2022)



May 1-5, 2022, Hotel Waldstätterhof, Brunnen

The 'SCS Conference on Stereochemistry', better known as 'Bürgenstock Conference', is an outstanding international chemistry meeting of high scientific quality, with an optimal setting for intense inter-disciplinary discussion.

#### Program

According to its long tradition, the 55<sup>th</sup> Bürgenstock Conference 2022 will again be interdisciplinary, covering many areas of chemistry in its main body, but allowing also for relevant highlights from neighboring disciplines, with due focus on structural and mechanistic aspects in all contributions.

The program consists of 13 plenary lectures (60 minutes), each followed by a discussion session of 30 minutes. Thus, there will

be ample time for each topic to be presented fully and examined from different angles and perspectives. Lectures and discussions are held in the mornings and the evenings. The afternoons are free for recreation, informal discussions, and poster sessions.

As the 2020 conference was cancelled and the 2021 was shifted to the virtual room most of the lectures that were previewed for 2020 will be considered for the program 2022.

### Organizing Committee

Prof. Christian Bochet, University of Fribourg  
 Prof. Cristina Nevado, University of Zurich  
 Dr. Fabrice Gallou, Novartis Pharma AG  
 Dr. Maud Reiter, Firmenich SA  
 Prof. Thomas R. Ward, University of Basel  
 Prof. Jérôme Waser, EPFL Lausanne

### Website

[bc22.scg.ch](http://bc22.scg.ch)

### Section Chemistry and the Environment (SCE) Young Scientist Event 2022



May 3, 2022, Syngenta Research Center  
 The event is for young environmental scientists to learn about job opportunities in chemical and chemical-related private companies. The event is an initiative of the SCS Section Chemistry and the Environment.

### Goals of the Event

- Hear and discuss challenges for a career in industry
- Experience industry jobs during a site visit
- Get in contact with industry representatives and expand your network.

### Venue

Syngenta Crop Protection, Stein (AG)

### Program

- 10.00 Arrival & registration  
 10.20 Welcome message: Dr. Jérôme Cassayre, Syngenta  
 10.30 Keynote: Dr. Heike Laue, Givaudan  
 «Replacing the need for in vivo animal testing - the use of alternative in vitro assays for environmental risk assessment of fragrance chemicals»  
 11:00 Panel discussion: Opportunities and challenges for environmental scientists in chemical industry.  
 Participants: Dr. Lucie Lovelle (Novartis), Dr. Steve Maund (Syngenta), Dr. Ludovic Vieille-Petit (DSM); Moderation: Leslie Fendt (Roche)  
 12.00 Lunch  
 13.00 Site tour at the Syngenta Research Center  
 14.30 Round tables: Meet industry representatives, discuss environmentalsciencescareers/jobprofiles in chemical industry (i.e., big companies, contractors, start-ups)  
 15.30 Wrap-up  
 15.45 End of program

### Registration

Sorry, the event is now full and we can not accept more registrations.

### CHanalysis 2022



May 19–20, 2022, Dorint Hotel Blüemlisalp, Beatenberg

The goal of this two-day conference series is to stimulate a stronger interaction among persons working in different areas of analytical sciences. Scientists from applied and fundamental research, from industry, education, and regulation are welcome.

The symposium is organized on a yearly basis by the Division of Analytical Sciences (DAS) of the SCS. From 2013 to now 5 editions took place at Dorint Hotel Beatenberg. Due to COVID-19 the editions in 2020 and 2021 had to be cancelled.

### Program Thursday, May 19, 2022

- 13.00 Conference opening  
 Marc J-F Suter, Vice-President SCS Division of Analytical Sciences (DAS)  
 13.05 Lenny Winkel, Eawag  
 «Analytical Advancements Improve Insights into the Biogeochemical Cycle of Selenium»  
 13.35 4 Contributed Lectures  
 14.35 Coffee Break  
 15.10 Benham Ahmadian Baghbaderani, Lonza  
 «Robust and reliable analytical methods: critical requirement for industrialization of cell and gene therapies»  
 15.40 4 Contributed Lectures  
 16.40 Poster session and Aperitif  
 18.30 Dinner  
 21.00 Get-together Party

### Friday, May 20, 2022

- 09.00 Marco Baity Jesi, Eawag  
 «Machine learning as a tool to predict the toxicity of chemicals»  
 09.30 2 Contributed Lectures  
 10.00 Coffee Break  
 10.30 Detlef Günther, ETH Zurich  
 «Between Fundamentals and Applications – the Important Role of Analytical Chemistry»  
 11.00 4 Contributed Lectures  
 12.15 General Assembly of the Division Analytical Sciences (DAS) of the Swiss Chemical Society  
 13.00 End of Meeting

### Important Dates

- Submission of abstracts by April 4, 2022  
 Notification of acceptance April 20, 2022  
 Registration deadline for participants May 5, 2022

### Registration Fees

- Regular participants: CHF 300.–  
 Students including PhD students: CHF 100.–  
 The fees include meals and accommodation

### Organizing Committee

Dr. Marc J-F Suter, Eawag Dübendorf  
 Prof. Eric Bakker, University of Geneva  
 Dr. Davide Bleiner, Empa, Dübendorf

### Website and Registration

[cha22.scg.ch](http://cha22.scg.ch)

## Swiss Photochemistry Symposium 2022



June 17, 2022, HEIA Fribourg, Hochschule für Technik & Architektur  
The symposium is an initiative of the Photochemistry Section of the Swiss Chemical Society to promote the exchange within the photochemistry community in Switzerland and beyond.

### Program

- 09.15 Registration, coffee & chat  
09.50 Welcome message  
Session 1  
09.55 Prof. Ferdinand Grozema, TU Delft, NL  
10.25 2 Contributed Talks  
10.55 Short Break  
Session 2  
11.00 Prof. Pablo Rivera-Fuentes, University of Zurich, CH  
11.30 2 Contributed Talks  
12.00 Lunch & networking  
12.50 PCS General Assembly  
Session 3  
13.15 2 Invited Talks  
13.55 10× 3min Elevator Talks  
14.30 Poster session, coffee & networking  
Session 4  
15.45 Prof. Julia Weinstein, University of Sheffield, UK  
16.15 3 Contributed Talks  
17.00 Poster award ceremony and closing remarks

### Registration Fees (include lunch and coffee)

- CHF 100.00 for SCS or EPA members  
CHF 120.00 for non-members  
CHF 50.00 for students

### Organizing Committee

Olivier Nicolet, HES-SO/HEIA-FR (Chair)  
Oliver Wenger, University of Basel  
Silvio Canonica, Eawag, Dübendorf  
Kurt Dietliker, ETHZ, Zurich  
Tomas Solomek, University of Basel

### Website and Registration

[pcs22.scg.ch](http://pcs22.scg.ch)

## SCS Seminar on Flow Chemistry 2022



June 27–29, 2022, Le Domaine Notre Dame, Villars-sur-Glâne (Fribourg)  
Due to the ongoing pandemic, the seminar is postponed from February to June 2022. The SCS Seminars are three-days educational events with a focus on topics relevant for the Swiss chemical and pharmaceutical industry but that are not necessarily part of the

academic curricula. The first seminar in 2022 will focus on Flow Chemistry.

### Target Group

Interactive Seminar for PhD students, Postdocs as well as junior scientists from industry to get in contact with flow chemistry and get them ready to start with it in the lab.

## Program Monday, June 27, 2022

- 10.00 Welcome  
10.30 Marc-André Müller, DSM  
«Basics of Flow Chemistry I – Process intensification in industry»  
11.30 Dominique Roberge, Lonza  
«Basics of Flow Chemistry II – Flow chemistry, the engineer's view»  
12.30 Lunch  
13.30 Claudio Battilocchio, Syngenta  
«Application of Flow Chemistry I – Batch to flow»  
14.30 Roger Marti, HEIA-FR  
«Application of Flow Chemistry I – Application in synthesis»  
15.30 Coffee break  
16.00 Lab Visit HEIA-FR/ChemTech: Pilot Plant & Flow Lab  
18.30 Poster Session & Apéro, Supplier Booths  
Dinner

## Tuesday, June 28, 2022

- 08.30 Michal Dabros, HEIA-FR  
«PAT Technology in Flow, Chemometrics»  
09.30 Alexandra Kämpfer-Homsy, HE-ARC  
«Microfluidics in Bioanalytics»  
10.00 Coffee break  
10.30 Workshop 1 with lecturers and suppliers  
11.30 Workshop 2 with lecturers and suppliers  
12.30 Lunch  
13.30 Marlies Moser, Fluitec, Supplier Presentation  
14.30 Philippe Roth, Corning, Supplier Presentation  
15.30 Coffee break  
16.00 Samuel Bourne, Carbogen AMCIS  
Industry Lectures – Case Study  
17.00 Duncan Guthrie, Vapourtec, Supplier Presentation  
18.30 Symposium Dinner

## Wednesday, June 29, 2022

- 08.30 Mathieu Lesieur, Sovias  
«C-H Oxidation or Organolithium bases in Flow»  
09.30 Thomas Kretschmar, Hitec-Zang, Supplier Presentation  
10.00 Coffee break  
10.30 Workshop 3 with lecturers and suppliers  
11.30 Benjamin Martin, Novartis  
«Sustainability Aspects of Continuous Manufacturing»  
12.30 Lunch  
13.30 Workshop 4 with lecturers and suppliers  
14.30 Closure

Active participation is key for all attendees. A good mix between

- theoretical lectures,
  - reports of concrete projects from industry,
  - interactive workshops/panel discussions and
  - short presentations by participants
- will guarantee a maximum of impact. Each participant brings along a specific challenge out of the daily lab work and will present a poster of his/her current work.

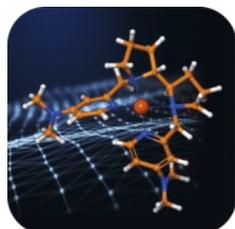
The seminar will focus on relevant issues of process chemistry such as

- Batch to flow
- Flow reaction optimization
- Safety issues
- Scaling up
- Reactors and reactor design

**Organizing Committee**

Prof. Roger Marti, HEIA-FR

Dr. Marc-Andre Mueller, DSM Nutritional Products Ltd

**Website**[flowsem22.scg.ch](http://flowsem22.scg.ch)**SwissCat Symposium 2022**

June 30, 2022, Department of Chemistry, Biochemistry and Pharmaceutical Sciences, University of Bern

The SwissCat Symposium is the annual meeting of the respective SCS network and brings together experts in the field of homogeneous, heterogeneous and bio-catalysis. The event also serves as a central platform for the various organi-

zations and networks active in the field of catalysis in Switzerland.

**Program**

- 08.30 Welcome coffee  
 09.15 Welcome and opening of the symposium  
 09.30 Prof. Olivier Baudoin, University of Basel  
 «Ring Construction via Palladium(0)-Catalyzed C–H Activation»  
 10.15 3x 15min Contributed Talks  
 11.00 Break  
 11.30 Dr. Maarten Nachtegaal, PSI  
 «Synchrotron-based X-ray methodologies to determine the operando structure of the catalytic active site»  
 12.15 2x 15min Contributed Talks  
 12.45 Lunch Break  
 14.00 Prof. Rebecca Buller, ZHAW Wädenswil  
 «Engineering Fe(II)/  $\alpha$ -Ketoglutarate-Dependent Halogenases and Desaturases»  
 14.45 2x 15min Contributed Talks  
 15.15 Break  
 15.45 Dr. Ermanno Filippi, Casale  
 «Catalysis, the Pillar of Energy Transition and Sustainability»  
 16.30 Prof. Gonzalo Guillén-Gosálbez, ETH Zurich  
 «Planetary boundaries footprints of chemicals and fuels»  
 17.15 Award ceremony of the best contributed talks, Closing words  
 17.30 Aperitif

**Contributed Talks**

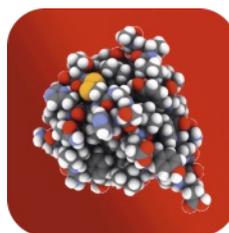
Apply for a 15min contributed talk and submit your abstract during the registration process. Deadline is May 15, 2022.

**Participation fees**

SCS members, regular participant	CHF 50.00
SCS members, students	CHF 0.00
Non-members, regular participant	CHF 100.00
Non member, student	CHF 50.00

**Chair of the Organizing Committee**

Prof. Matthias Arenz, University of Bern, President SwissCat

**Website**[swisscat22.scg.ch](http://swisscat22.scg.ch)**Peptide Therapeutics Forum 2022**

August 25–26, 2022, University Hospital Basel, Zentrum für Lehre und Forschung

The event provides an innovative platform to exchange on the various aspects of drug development with a focus on peptides.

The program includes invited lectures from experts working in academia and industry from all over the world.

**Organizing Committee**

Prof. Melpomeni Fani, University of Basel

Prof. Roderich Süßmuth, TU Berlin

Dr. Thomas Vorherr, TU Berlin

Prof. Nina Hartrampf, University of Zurich.

**Website and Registration**[ptf22.scg.ch](http://ptf22.scg.ch)**SCS Fall Meeting 2022**

September 8, 2022, Irchel Campus, University of Zurich

The The SCS Fall Meeting offers a unique opportunity for all members of the community to share the results of their research initiatives. With nine parallel sessions, two plenary sessions and a huge poster session the event stimulates the exchange of ideas between all

generations of chemists. SCS Fall Meeting offers a unique opportunity for all members of the community to share the results of their research initiatives. With nine parallel sessions, two plenary sessions and a huge poster session the event stimulates the exchange of ideas between all generations of chemists.

**Program Highlights**

- Two plenary sessions with lectures of SCS prize winners 2022
- Huge Poster Session with about 500 posters in 9 thematic sessions
- Nine parallel sessions focussing on a specific field with keynote lectures and 15min PhD presentations
- Best oral and best virtual poster presentation award ceremony

**Topics of the parallel sessions**

- Analytical Sciences
- Catalysis Science & Engineering
- Computational Chemistry
- Chemistry and the Environment
- Inorganic & Coordination Chemistry
- Medicinal Chemistry & Chemical Biology
- Organic Chemistry
- Physical Chemistry
- Polymers, Colloids & Interfaces

**Programm**

09.15 Welcome and Conference Opening

**Morning Plenary Sessions**

09.30 Sandmeyer Award Lecture

IBM Research, Zurich

«Digitalization of synthetic organic chemistry to im-

- prove digital workflows with state-of-the-art machine learning technologies»
- 10.00 Swiss Green & Sustainable Chemistry Award Lecture 2022  
Prof. Xile Hu, EPFL Lausanne  
«Cooperative molecular, bio-, and electrocatalysis»
- 10.30 Coffee Break

#### Morning Parallel Sessions (9 topics)

- 10.45 Invited/Sponsored Lecture (30min) Short Talks (15min)

#### Lunch Break

- 12.30 Lunch and Poster Sessions, commercial exhibition
- 13.30 General Assembly of the youngSCS 2022  
Lead: Lluc Ferrera Soler, President youngSCS

#### Afternoon Parallel Sessions (9 topics)

- 14.30 Invited/Sponsored Lecture (30min) Short Talks (15min)
- 16.15 Coffee Break

#### Afternoon Plenary Sessions

- 16.30 SCS Senior Industrial Science Award Lecture 2022  
Dr. Bernd Kuhn, F. Hofmann-La Roche AG  
«Details matter in structure-based drug design»
- 17.00 Paracelsus Award Lecture 2022  
Prof. Antonio Togni, ETH Zurich  
«For the Sake of Making Molecules»

#### SCS Announcements and Ceremony Session

- 17.45 SCS Announcements and Helvetica Prize of the Swiss Chemical Society 2022 (best published papers of PhD/ Postdocs 2021/22)
- 18.00 Best Oral Presentation Award (sponsored by Metrohm)  
Best Poster Presentation Award (sponsored by DSM)
- 18.30 End of the Conference

#### Registration Fees (include lunch and coffee)

##### SCS Members:

- CHF 0.00 (free of charge) incl. presenting a talk or a poster

##### Non-SCS Members

- CHF 250.00 presenting a talk or a poster at the conference
- CHF 100.00 access to the conference without presentation

#### Chairs for the Organizing Committee

Prof. Roger Alberto, University of Zurich (Chair)  
Dr. Hans Peter Lüthi, ETH Zurich/SCS Foundation

#### Website and Registration:

[fm22.scg.ch](http://fm22.scg.ch)

#### ILMAC Lausanne 2022



September 28–29, 2022, Expo Beaulieu Lausanne

Since 1959, ILMAC has been the sole Swiss industry fair for chemicals and life sciences that depicts all the industrial applications in process and laboratory technology. Focus topic: "Sustainable Solutions in Laboratory and Production". As a user-oriented trade fair, ILMAC is geared to experts in pharmaceuticals, chemicals, biotechnology, food, drinks, cosmetics and others.

Despite this wide range of sectors, ILMAC is still of particularly manageable proportions (it can be visited in a single day), is close

to hand (staged in the midst of the pharmaceutical and chemical industries) and depicts the Swiss market in its entirety.

SCS, as the initial founder of the fair, is partnering with Messe Schweiz and coordinates the collaboration with society partners and the Universities of Applied Sciences. It is also the official organizer of the ILMAC Forum activities.

Website: [ilmac.ch](http://ilmac.ch)

#### ADDITIONAL CONFERENCES IN SWITZERLAND AND ONLINE EVENTS

##### LS<sup>2</sup> Annual Meeting 2022: «Life Sciences in the 2020s: quantitation, integration and prediction»

April 21–22, 2022, University of Zurich, Irchel Campus  
The LS<sup>2</sup> Annual Meeting brings together scientists from all nations and backgrounds to explore the large spectrum united under the umbrella of Life Sciences. The 2022 edition is being organized to be an on-site meeting with all safety measures in place. The program will include 3 plenary lectures, a symposium organized by and for young scientists with short talks selected from abstracts, our already famous Pls of Tomorrow session, the lectures from 3 awards (Prix Schläfli, Lelio Orzi Award and Friedrich Miescher Award), a special plenary short talk "Personalized Health" from the Forum of Genetic Research (SCNAT) and 11 scientific symposia organized by our sections and partners.  
[annual-meeting.ls2.ch](http://annual-meeting.ls2.ch)

##### Ions and Photons in Analytical Science (IPAS 2021)

April 22, 2022, ETH Zurich, Hönggerberg  
The symposium will bring together 10 international experts, many of them with ties to ETH Zurich, who have all agreed already to lecture on the state-of-the-art in analytical methodologies and their applications during this symposium. It has been more than a decade that a symposium dedicated exclusively to analytical science was organized at ETH Zurich – the last time was 2009, when the quite successful and well attended symposium «Analyze That!» took place at ETH Hönggerberg – reason enough to review how the field has moved forward in the last decade.

The core of the program are plenary talks by invitation only. There will be the possibility to contribute to the program with posters from young researchers and stands/booths from companies.

Submission deadline: February 18, 2022.

[ipas2021.ethz.ch](http://ipas2021.ethz.ch)

##### 10<sup>th</sup> International Symposium on Isotopomers (ISI) and 12<sup>th</sup> Isotopes Conference 2022

May 29 – June 3, 2022, AKADEMIE Empa, Dübendorf  
The meeting will highlight the latest developments and applications for the use of stable isotopes and bring together leading experts from a wide range of disciplines.

The following scientific sessions will be organized:

- Advances in analytical instrumentation and methods
- Process tracing in ecology & plant science
- Biogeochemistry, element cycles and fate of contaminants
- Global change, greenhouse gases & aerosols
- Computation of isotope effects & enzyme mechanisms
- Food authenticity, forensic & biomedical applications
- Origin and evolution of the Earth (planets) & life
- Clumped isotopes

The meeting will start with an ice-breaker on Sunday evening (May 29) and will end on Thursday (June 2). On Friday (June 3),

an optional excursion will be organized. The meeting will be organized as an on-site conference with an attractive side program but virtual participation will be possible.

[empa.ch/web/isi-isotopes2022](http://empa.ch/web/isi-isotopes2022)

### **Future Labs Live 2022: Digital, Automated. Connected**

June 7, 2022, Congress Center Basel

This is the world's most diverse, stimulating, and exciting event for the future of all labs. Start-ups and disruptors will meet lab heads and lab techs, together with the tech & practice innovators: A unique event at a critical time of change!

They're breaking down silos within and between organisations to bring people together to come up with the ideas, the tech and the processes that'll transform the lab of tomorrow. The lab of tomorrow will be very different to the lab of today. There's a clear need to come together to meet, debate, share ideas, best practice, stories of success and stories of disaster.

[terrapinn.com/conference/future-labs-live](http://terrapinn.com/conference/future-labs-live)

### **13th Day of Life Sciences «Competencies in Drug Discovery»**

June 9, 2022, ZHAW Campus Grüental (GA), School of Life Sciences and Facility Management

The symposium aims to discuss projects from different therapeutic indications in an interdisciplinary way and to promote the interaction of biological, chemical and medical competencies.

Pharmaceutical research is of great importance to society as it represents a major industry and improves people's lives. In this context, drug discovery and development are crucial steps in improving treatment options for patients. These are challenging and highly interdisciplinary projects with a high degree of complexity. Meeting these challenges requires diverse collaboration between different scientific disciplines as well as between academia and industry. A Center of Excellence for Drug Discovery is therefore being established at the Institute of Chemistry and Biotechnology at ZHAW to foster, support and successfully implement these collaborations. The symposium «Competencies in Drug Discovery» aims to discuss projects from different therapeutic indications in an interdisciplinary way and to promote the interaction of biological, chemical and medical competencies.

Registration deadline is June 7, 2022 and the costs are CHF 150.

Contact: [info.icbt@zhaw.ch](mailto:info.icbt@zhaw.ch)

[zhaw.ch/de/lisfm/weiterbildung/fachtagungen/day-of-life-sciences/](http://zhaw.ch/de/lisfm/weiterbildung/fachtagungen/day-of-life-sciences/)

### **International Conference on Photochemical Conversion and Storage of Solar Energy (IPS-23)**

August 2–5, 2022, SwissTech Center Lausanne

The IPS conference offers a versatile platform to discuss the latest advances in renewable energy and storage research, and to enhance the regional and international collaborations. It offers a versatile platform to discuss the latest advances in renewable energy and storage research, and to enhance the regional and international collaborations. The IPS-23 will welcome scientists, engineers, and students from all over the world to enrich their knowledge, interact to spark new ideas, and foster new collaborations and partnerships. The programme will include a combination of Plenary, invited talks, contributing talks, and poster presentations in a meeting which will bring a broad spectrum of the community together to discuss the latest advances in Energy conversion and storage research. The conference will have the scientific and social programme over five full days, with three parallel sessions after plenary talks.

[ips23.epfl.ch](http://ips23.epfl.ch)

### **molQueST Conference 2022**

August 21, 2022, Congressi Stefano Franscini (CSF)

Atomic and molecular architectures on surfaces exhibit distinct quantum properties. Their reproducible manufacturing is gaining momentum and goes far beyond the single atom and the single spin. This is due to recent experimental breakthroughs and, on the other hand, due to increasing demand from other research areas, in particular quantum science/technology and quantum computing. «Quantum Science Emerging from Atoms and Molecules at Surfaces» builds upon breakthroughs in the art of making atomic and molecular architectures. Electronic and nuclear quantum states can now be manipulated at the single atomic level in a controlled surface environment by using either local probes or global electric and magnetic fields. This conference, as a continuation of the ones of 2014 and 2017, will address the use of quantum and spin states in atoms and molecules at surfaces for sensing, information storage, and information processing (logic) devices.

For the best poster/contributed oral presentation at the conference, the conference will award one young scientist with a prize of CHF 500, together with a certificate and a small Monte Verità memento. To be eligible for the award, the participant must be under 33 years old and either a PhD student or someone who has obtained her/his doctoral degree within the last 3 years.

[molquest.ch](http://molquest.ch)

### **PSI-K Conference 2022 (postponed from 2020)**

August 22–25, 2022, EPFL Lausanne

This major conference – the largest worldwide in electronic-structure – brings together the community that is active in the field, as described by the PSI-K mission statement: "... to develop fundamental theory, algorithms, and computer codes in order to understand, predict, and design materials properties and functions. Theoretical condensed matter physics, quantum chemistry, thermodynamics, and statistical mechanics form its scientific core. Applications encompass inorganic, organic and bio-materials, and cover a whole range of diverse scientific, engineering, and industrial endeavours."

The conference program will be structured around 3.5 days, that will include 7 plenary talks, 39 symposia in 6 parallel sessions (136 invited talks and ~170 contributed talks), and a MAD evening to shake it all off.

With more than 1000 participants expected, it will be a key event in the field, offering an intense but enjoyable atmosphere, in addition to a chance to explore the beautiful region around Lausanne and Lake Geneva.

[psik2020.net/](http://psik2020.net/)

### **LightChEC Symposium & Summer School**

September 4–8, 2022, Les Diablerets

The LightChEC Summer School aims to foster the collaboration of the different disciplines researching artificial photosynthesis. By inviting experts in molecular chemistry and materials science, the students taking part in the school will participate in lectures and group work led by experienced researchers in the field. They will have time to discuss their projects not only with each other but also with the international experts.

Registration is open until the beginning of May.

The participation fee is CHF 250, including room and full board.

[lightchec.uzh.ch/summerschool](http://lightchec.uzh.ch/summerschool)

### **Organic Process Research and Development Course for the Pharmaceutical and Fine Chemicals Industries**

September 21–23, 2022, Basel

The efficient conversion of a chemical process into a process for manufacture on tonnage scale has always been of importance in the chemical and pharmaceutical industries. However, in the cur-

rent economic and regulatory climate, it has become increasingly vital and challenging to do so efficiently. At Organic Process Research & Development Conference, you will hear detailed presentations and case studies from top international chemists. Our hand-picked programme of speakers has been put together specifically for an industrial audience. They will discuss the latest issues relating to synthetic route design, development and optimisation in the pharmaceutical, fine chemical and allied fields. Unlike other conferences, practically all their speakers are experts from industry, which means the ideas and information you take home will be directly applicable to your own work.

[scientificupdate.com](http://scientificupdate.com)

## SCS LECTURESHIP AWARDS

The SCS Lectureship is awarded to world-class distinguished scientists and it is organized under the patronage of the Swiss Chemical Society. Over a week, the lecturer gives five presentations and discusses with colleagues at four to five different Swiss research institutions. The selection of the lecturers follows a bottom-up approach where PIs from all Swiss research institutions can propose candidates. The program covers all areas of chemistry. The choice among the proposed lectureships is made by the board of the Division of Fundamental Research (DFR) of the SCS.

After a long period of uncertainty, during which no speakers could be invited, we hope to reactivate the program as of April 2022. Save the dates for the following tours:

**Prof. Harry Anderson**, University of Oxford (UK)

«Synthesis & Electronic Delocalization in  $\pi$ -Conjugated Nanorings» (Talk A)

«Approaches to the Synthesis of New Carbon Allotropes» (Talk B)

- Mon, 4. April: Zurich – Talk A
- Tue, 5. April: Basel – Talk B
- Wed, 6. April: Neuchatel (morning) – Talk B, Fribourg (afternoon) – Talk B
- Thu, 7. April: Geneva – Talk B
- Friday 8. April: Lausanne – Talk A

Tour organizer: Prof. Michal Juríček, University of Zurich

**Prof. David Nesbitt**, JILA&University of Colorado, Boulder (USA)

«A Physical Chemist in Search of Simplicity: From Interstellar Cosmochemistry to Single Molecule Biophysics»

- Wed, 4. May: Geneva
- Thu, 5. May: Lausanne (EPFL)
- Fri, 6. May: Zurich (ETH)
- Mon, 9. May Zurich (UZH)
- Tue, 10. May: Basel

Tour organizer: Prof. Stefan Willitsch, University of Basel

**Prof. Edward I. Solomon**, Stanford University (USA)

«Activating Metal Sites for Biological Electron Transfer»

«Geometric and Electronic Structural Contributions to Fe/O<sub>2</sub> Reactivity: Correlations between metalloenzyme and heterogeneous catalysis»

- Mon, 10. October: University of Zurich
- Tue, 11. October: ETH Zurich
- Wed, 12. October: University of Bern and Fribourg
- Thu, 13. October University of Basel
- Fri, 14. October: EPFL Lausanne

Tour organizer: Prof. Christophe Copéret, ETH Zurich

**Additional tours that are planned in fall 2022 or early 2023:**

**Prof. Jennifer Field**, Oregon State University (USA)

«Quantitative analytical methods for organic micropollutants and their transformation products in natural and engineered systems»

**Prof. Abby Doyle**, Princeton University (USA)

«Organic synthesis, organometallic catalysis, and physical organic chemistry»

**Prof. Daniel G. Nocera**, Harvard University, Cambridge, MA (USA)

Research topic(s): Renewable energy, e.g. the artificial leaf and bionic leaf

**Prof. Mark S. Taylor**, University of Toronto (CAN)

«Research Topics: Synthetic methodology, asymmetric catalysis, supramolecular and materials chemistry»

The SCS Lectureship tours are financially supported by:



## LECTURES APRIL 2022

**Dr. Chris Senanayake**, TCG GreenChem Inc., USA

4. April 2022, 16.00h, ETH Zurich, Hönggerberg  
«Finding Sustainable Asymmetric and Catalytic Transformations for Drug Development»

**Prof. Dr. Harry Anderson**, University of Oxford, UK

4. April 2022, 16.30h, University of Zurich, Department of Chemistry  
«Synthesis & Electronic Delocalization in  $\pi$ -Conjugated Nanorings»

**Prof. Dr. Harry Anderson**, University of Oxford, UK

5. April 2022, 10.45h, Basel  
«Approaches to the Synthesis of New Carbon Allotropes»

**Dr. Annabelle Varrot**, CNRS Research Director, Structural and Molecular Glycobiology Team, CERMAV-CNRS, Grenoble, FR

6. April 2022, 17.15h, University of Basel, Pharmazentrum  
«Fungal Lectins: Drug Targets and Biomolecular Tools»

**Prof. Dr. Armido Studer**, University of Münster, DE

07. Apr 2022 - 17.30h, Universität Basel, Organische Chemie  
«Boron an Emergent Element in Radical Chemistry»

**Prof. Eckart Rühl**, Freie Universität Berlin, DE

12. April 2022, 16.45h, zoom conference  
«Nanoparticles in fundamental and applied research»  
Further Information: [chab.ethz.ch/forschung/institute-und-laboratorien/LPC/lpc-veranstaltungen/](http://chab.ethz.ch/forschung/institute-und-laboratorien/LPC/lpc-veranstaltungen/)

**Prof. Dr. Leonard Kaysser**, Universität, Leipzig, DE

20. April, 2022, 17.15h, University of Basel, Pharmazentrum  
«Biology, Biosynthesis and Therapeutic Potential of  $\beta$ -Lactone Protease Inhibitors»

**Prof. Klaus Stefan Kirch**, Paul Scherrer Institute Schweiz (PSI)

26. April 2022, 16.45h, ETH Zurich Hönggerberg  
«Precision particle physics at PSI»

Please visit either the SCS website or the websites of the departments and institutes as shown below for the latest announcements and the exact location of the lectures.  
[scg.ch/lectures](http://scg.ch/lectures)

#### Event announcements as Swiss Universities

- EPFL Lausanne  
[memento.epfl.ch/isic/](http://memento.epfl.ch/isic/)
- ETH Zurich  
[chab.ethz.ch/en/news-and-events/events](http://chab.ethz.ch/en/news-and-events/events)
- University of Basel  
[chemie.unibas.ch/en/news-and-events/events](http://chemie.unibas.ch/en/news-and-events/events)
- University of Bern  
[dcbp.unibe.ch/ueber\\_uns/aktuelles/seminare](http://dcbp.unibe.ch/ueber_uns/aktuelles/seminare)
- University of Fribourg  
[unifr.ch/chem/en/info/agenda.html](http://unifr.ch/chem/en/info/agenda.html)
- University of Geneva  
[unige.ch/sciences/chimie/en/conferences](http://unige.ch/sciences/chimie/en/conferences)
- University of Neuchâtel  
[unine.ch/chim](http://unine.ch/chim)
- University of Zurich  
[chem.uzh.ch/en/events/schedule](http://chem.uzh.ch/en/events/schedule)
- PSI Villigen  
[psi.ch/en/science/scientific-events](http://psi.ch/en/science/scientific-events)
- EMPA Dübendorf  
[events.empa.ch](http://events.empa.ch)
- Eawag Dübendorf  
[eawag.ch/en/news-agenda/agenda](http://eawag.ch/en/news-agenda/agenda)



# SCS Academy

Swiss Chemical Society

## InCompany Training

In collaboration with your we organize or develop InCompany-trainings and courses according to your ideas and needs. Benefit from the fact that we can

- design contents to company-specific requirements and wishes
- specifically address questions and problems in your field of application
- carry out practical exercises on your equipment
- conduct training sessions in French or English, if necessary

Experts are at your disposal for a personal need's assessment.

#### Place / Date

The training can be conducted at your location or as online training. Your employees do not have to pay for travel and accommodation!

The date will be arranged to fit best your needs.

#### Fees

On request, depending on the length of the training and the complexity of the curriculum.

#### Target group/customers

Customers who have a need for specific education and further training measures to complete the the offering of the SCS Academy and other training providers.

#### Contact

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