



## Events

Congresses, Symposia, Lectures, Education Courses

### SCS CONFERENCES AND SYMPOSIA

#### SCS Fall Meeting 2022



September 8, 2022, Irchel Campus, University of Zurich

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 chem-

ists. SCS Fall Meeting offers a unique opportunity for all members of the community to share the results of their research initiatives.

#### Program Highlights

- Two plenary sessions with lectures of SCS prize winners 2022
- Poster Session with more than 350 posters
- Nine parallel sessions focussing on a specific field with keynote lectures and 15 min PhD presentations
- Best oral and best 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

#### Program

- 08.30 Registration and welcome coffee  
09.15 Welcome and Conference Opening

#### Morning Plenary Sessions

- 09.30 Sandmeyer Award Lecture 2022  
Theodoro Laino, IBM Research, Zurich  
«Fueling the Digital Chemistry Revolution with Language Models»
- 10.00 Swiss Green & Sustainable Chemistry Award Lecture 2022  
Prof. Xile Hu, EPFL Lausanne  
«Cooperative molecular, bio-, and electrocatalysis»
- 10.30 Short break

#### Morning Parallel Sessions (9 topics)

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

#### 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 (30 min)  
Short Talks (15 min)  
16.15 Coffee Break

#### Afternoon Plenary Sessions

- 16.30 SCS Senior Industrial Science Award Lecture 2022  
Dr. Bernd Kuhn, F. Hoffmann-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  
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 of the Organizing Committee

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

#### Website and Registration

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

#### Swiss Summer School on Chemical Biology 2022



September 11–15, 2022, Eurotel Victoria, Les Diablerets

The Swiss Summer Schools are out-of-town seminars for MSc, PhD and postdoctoral students. There are two independent programs: The Summer Schools on Chemical Biology and the Summer Schools on Chemical Synthesis, managed by the Swiss Chemical

Society Divisions on Medicinal Chemistry & Chemical Biology and Fundamental Research, respectively.

#### Registration and Fees

	SCS Member	Non-Member
Student/Postdoc	CHF 740	CHF 890
Seminar Participant	CHF 940	CHF 1,090
Single room accomm.	+CHF 200	+CHF 200

**Teaching Body**

- Dr. Ingmar M. Hörr, Founder of CureVac, Tübingen, DE
- Prof. Claudia Höbartner, Julius-Maximilians-University Würzburg, DE
- Dr. Jean Quancard, Novartis Institutes for Biomedical Research, Basel
- Prof. Andrea Rentmeister, Westfälische Wilhelms-Universität Münster, DE
- Dr. Tamara Reyes Robles, Merck Exploratory Science Center, Cambridge, USA
- Prof. Edward Tate, Imperial College London, UK

**Industry Lecturers**

- Dr. Christoph Boss, Senior Vice President, Head of Drug Discovery Chemistry, Idorsia Pharmaceuticals Ltd.
- Dr. Erika Lüthi, R&D-Chemist and Project Manager, Valsynthese SA (Société Suisse des Explosifs Group)
- Dr. Daniel Latassa, Project Manager Valsynthese SA (Société Suisse des Explosifs Group)
- Dr. Markus Löweneck, Head of Research & Development, Senn Chemicals AG
- Dr. Mark Schäfer, Bachem AG

**Contacts and Chairs of the Organizing Committee**

- Prof. Jean-Louis Reymond, University of Bern
- Dr. Hans Peter Lüthi, ETH Zurich and SCS Foundation

**Website and detailed program**

[summer-school22.scg.ch](http://summer-school22.scg.ch)

**Swiss Chemistry Science Night 2022**

September 16, 2022, Casino Bern  
The evening will be a celebration of discovery and innovation in the chemical sciences.

Moderated by Leslie Fendt, Personalized Healthcare Strategy Leader, F. Hoffmann-La Roche AG and Stefan Willitsch, University of Basel, President Division Fundamental Research.

**Program**

- 17.00 Aperitif
- 18.00 Opening and welcome message:  
Christian Bochet, SCS President  
Invited guest speakers:  
Matthias Leuenberger, President scienceindustries  
Günther Dissertori, Rector ETH Zurich
- 18.45 IChO 2023 in Switzerland: The event and its legacy
- 19.15 Dinner
- 20.30 Celebration of the SCS Award Winners 2022:
- Prof. Antonio Togni, ETH Zurich
  - Prof. Fabian O. von Rohr, University of Zurich
  - RXN for Chemistry Project Team from IBM Research
  - Dr. Bernd Kuhn, F. Hoffmann-La Roche AG
  - Prof. Xile Hu, EPFL Lausanne
  - Dr. Mehrabi Kamiar, ETH Zurich
  - Dr. Urs Leisinger, Kantonsschule Zug
  - Dr. Paolo Lubini, Liceo cantonale di Lugano 2, Savosa
  - Mr. Michele D'Anna, Liceo cantonale di Locarno (retired)
  - Ms. Stefanie Rychard, HEIA Fribourg
- Celebration of the SCS Honorary Members 2022
- Prof. Karl-Heinz Altmann, Reinach
  - Prof. Martin Quack, Pfaffhausen
  - Dr. Reto Naef, Rheinfelden

22.00 Dessert, coffee

23.00 Official end

Participation in the event is by invitation only. The event is supported by our SCS Partnership companies.

Interested in a SCS Partnership? Please contact David Spichiger ([spichiger@scg.ch](mailto:spichiger@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.

**Registration and Fees**

Registration is mandatory. Use the SCS PrioCode: [scs-ilmac22](http://scs-ilmac22) to get your ticket for free. Please register via the [ilmac.ch](http://ilmac.ch) website.

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

**Flow Chemistry & Artificial Intelligence Symposium: «Towards the Close Loop»**

September 28, 2022 Expo Beaulieu, Lausanne as part of ILMAC Lausanne (ILMAC Forum)

The two SCS networks on Flow Chemistry and Artificial Intelligence look forward to welcoming you to the ILMAC Symposium 2022. The symposium is aimed at colleagues from industry and academia who are interested in sustain-

able processes using flow technology and computer-aided self-learning systems.

**Program**

- 09.00 Door opening of ILMAC Lausanne 2022  
Welcome Coffee
- 09.15 Symposium opening, incl. a short introduction of the two SCS Networks involved  
Torsten Luksch, Claudio Battilocchio

**Session 1**

Chair: Jacques Membrez, Givaudan

- 09.30 Timothy Noël, University of Amsterdam (NL)  
«Applications of continuous-flow photochemistry in organic synthesis»
- 10.15 Arndt Finkelmann, Syngenta Crop Protection AG  
«Digital Chemistry at Syngenta: From academic labs to industrial applications»

- 10.45 Francesca Paradisi, University of Bern  
«Challenges in Flow-Biocatalysis»
- 11.15 Short Break
- 11.30 Loïc Roch, Atinary Technologies  
«Atinary SDLabs: ML software solutions and self-driving labs to accelerate R&D today»
- 12.00 Andrew deMello, ETH Zürich  
«Droplet-Based Microfluidics for Efficient Materials Discovery»
- 12.30 Lunch Break

## Session 2

Chair: Torsten Luksch, Syngenta Crop Protection

- 13.45 Amol Thakkar, IBM Research  
«Accelerating Chemistry with Cloud-based AI Driven Autonomous Labs»
- 14.15 Hansjoerg Lehmann, Novartis Pharma AG  
«Flow Chemistry at Novartis R&D: The Impact of Automated Platforms and Self-Optimizing Systems in Modern Synthesis»
- 14.45 Short Break
- 15.00 Markus Lill group, University of Basel
- 15.30 Bernhard Gutmann, Lonza  
«Continuous Flow Techniques for Fine Chemical Manufacturing»
- 16.00 Richard Bourne, University of Leeds (UK)  
«Self Optimisation in Flow Chemistry»
- 16.45 Closing remarks
- 17.00 Aperitif

## Registration and Fees

Registration is mandatory. Use the SCS PrioCode: scs-ilmac22 to get your ticket for free. Please register via the [ilmac.ch](http://ilmac.ch) website.

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

## 14<sup>th</sup> Swiss Course on Medicinal Chemistry 2022



October 9–14, 2022, Alpine Classic Hotel, Leysin

This five-day Medicinal Chemistry School that is organized by the Division of Medicinal Chemistry and Chemical Biology of the SCS will focus on most modern aspects associated with small molecule drug discovery, highlighting the methodologies and technologies sup-

porting hit generation, lead finding and lead optimization campaigns. As in previous years, the teaching content will be targeted at young scientists working in the area of medicinal chemistry, but also from flanking disciplines such as biochemistry, pharmacy, pharmacology, or biophysics from the pharmaceutical and biotech industry. Given the broad spectrum and the timeliness of scientific topics discussed, the course also provides a valuable opportunity for advanced medicinal chemists to get acquainted with most recent developments in *e.g.* the medicinal chemistry of novel target families, novel compound classes, and most modern optimization paradigms. In addition, a number of PhD students and postdocs will be able to attend to receive a broad overview on scientific disciplines involved in modern drug discovery.

The upcoming event will thematically be structured along key topics of strategic relevance for medicinal chemistry that will be presented by opinion leaders in the field. The teaching content will further be intensified by hands-on tutorials in which the theoretical learning's can immediately be applied to real life problems of pre-clinical drug discovery.

## Experts:

- Dr. Sabine Hadida, Vice President at Vertex Pharmaceuticals  
«The cystic fibrosis drug portfolio»
- Dr. Andrew Mortlock, Vice President Oncology Projects and Alliances, AstraZeneca  
«A broad spectrum of drug discovery opportunities in the field of oncology with associated medicinal chemistry strategies»
- Dr. Robert Copeland, Chief Scientific Officer of Accent Therapeutics  
«Most modern aspects of drug discovery both, from a therapeutic perspective and a technology point of view»
- Dr. Nicholas A. Meanwell, Vice President at Bristol-Myers Squibb  
«Truly successful drug discovery campaign pursued at BMS that yielded in an innovative breakthrough medicine»
- Dr. Andy Phillips, Chief Executive Officer and President, C4 Therapeutics  
«The concept of targeted protein degradation in which synthetic conjugates of linked protein ligands are utilized to harness the innate power of the human organism to eliminate disease-causing proteins»
- Prof. Dr. Gerhard Klebe, University of Marburg and Prof. Dr. Peter Tonge, Stony Brook University, New York  
«The detailed aspects of thermodynamics and kinetics involved in the process of molecular recognition, and aspects of target engagement and drug action»

## Registration

The course is fully booked and registration is not possible anymore.

## Website

[scmc22.scg.ch](http://scmc22.scg.ch)

## SCS Seminar on Intellectual Property (IP) 2022 – Hands-on Workshop for Scientists in Life Sciences



November 7–8, 2022, Hotel Schloss Gerzensee

The SCS Seminar on Intellectual Property (IP) 2022 targets researchers, technology transfer managers, and others which are required to deal with chemistry and life science related intellectual property, in particular patents. The goal of the course is to enhance participants'

capabilities to assess and manage patent related novelty, inventive step, and freedom-to-operate risks. Some basic knowledge about IP will be beneficial for this hands-on workshop.

The two days will also provide a platform to exchange practical experience on IP management and form a network that can be actively used also after the seminar.

## Goals

Participants will learn about:

- Fundamentals about chemistry/life science IP, in particular patents, in an international context for both chemistry and biotech related inventions
- Practical guidance how to develop an IP protection strategy including designing patent claims
- Practical guidance how to conduct patent searches for both patentability and freedom-to-operate questions including assessment and management of freedom-to-operate re-lated risks.

**Registration Deadlines and Fees**

Oct 30, 2022, regular registration

CHF 950.00

**Experts and Organizers:**Prof. Heinz Müller, Dixit Translations LLC  
Dr. Michael Kock, Dr. Kock Consulting**Website:** [ipsem22.scg.ch](http://ipsem22.scg.ch)**From Lab to Production - Insights into Process Chemistry 2022/2**

November 10, 2022, 16.00h, University of Basel

The event series with 1–2 events per year at Swiss universities enables students and PhDs to get an insight into process chemistry. Besides teaching the basics, an illustrative example from industry is discussed.

**Goals of the Event**

- Understand the challenges in process chemistry and recognize the differences between laboratory work and chemical production.
- Get in contact with process chemists from industry and expand its own network.

**Program**

16.00 Welcome  
16.10 Insights into process chemistry  
16.30 Case study from industry  
17.00 Aperitif

**Program Directors**

- Stefan Hildbrand, F. Hoffmann-La Roche AG
- Urs Brändli, Dottikon Exclusive Synthesis AG
- Maurus Marty, DSM Nutritional Products Ltd.
- Niklaus Künzle, Lonza AG

**Registration**

No registration is needed and the event is free of charge (sponsored by the SCS Division of Industrial & Applied Chemistry (DIAC)).

**Swiss Snow Symposium 2023**

January 20, 2023, Saas Almagell

We are delighted to invite you to the SwissSnowSymposium 2023, which will take place from January 20–22, 2023. The 19<sup>th</sup> edition of this traditional symposium will be held in Saas Almagell (VS) and provides an 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 guarantee a unique experience of science and fun.

**Website**[sss23.scg.ch](http://sss23.scg.ch)**4<sup>th</sup> Swiss Industrial Chemistry Symposium, SICS 2023**

January 27, 2023, University of Basel  
The SICS is a one-day symposium with lectures, short talks and offers a unique platform for industrial scientists, working in research and process research, to present their latest results. The event will be completed with a poster session in which PhD students can also participate.

**Website**[sics23.scg.ch](http://sics23.scg.ch)**CHanalysis 2023**

March 30–31, 2023, Dorint Resort Blüemlisalp

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.

**Website**[cha23.scg.ch](http://cha23.scg.ch)**ADDITIONAL CONFERENCES IN SWITZERLAND AND ONLINE EVENTS****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)

**PharmaCamp 2022**

September 15–16, 2022, DCBP University of Bern

Where the top young talent meets pharmaceutical industry.

Compete with other young professionals and students in a pharmaceutical case-challenge.

Personalised Medicine - The Future of Pharma. Show your skills to leading pharmaceutical companies in Switzerland and win the award.

How does it work?

The event consists of two stages:

- Talks by experts in precision medicine and business.
- A pharma science/business casechallenge - winning team is awarded with 2,000 CHF.

Who can apply?

- Students
- PhD candidates & PostDocs
- Recent graduates in the fields of natural sciences, engineering, business.

We will select 25 participants based on their CVs and provide them with accommodation in Bern.

Applications: until 7<sup>th</sup> August 2022 at 11.00 am

Website: [www.pharmacamp.ch](http://www.pharmacamp.ch)

### 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 current 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)

### Microplastics 2022

November 6–11, 2022, Monte Verita, Ascona

The event will explore how synthetic polymers and plastics are currently used, how waste is managed, and how these materials will enter into and affect natural and engineered ecosystems. We will address the concerns related to the effects of increased plastics usage in terms of the sources, fluxes and accumulation of nano- and microplastics.

Key Topics

- Synthetic polymers and microplastics: innovation vs. risks
- Sources and fluxes
- Developments and Challenges of Analytical and Sampling Methodologies
- Freshwater systems
- Terrestrial and agricultural systems
- Plastics across ecosystem boundaries
- Interaction with biota and humans

[microplastics2022.ch](http://microplastics2022.ch)

### International Symposium on Chemical Biology (ISCB) 2022

November 8–10, 2022, Campus Biotech, Geneva

This biennial event is organized by the NCCR Chemical Biology. The OC wish to expose delegates to new areas of research and allow for the cross pollination of ideas. New international collaborations and increased international visibility will hopefully be the outcome of this unique learning experience that comprises extensive poster sessions, ample time for discussion after each talk and opportunities for targeted networking.

[symposium.nccr-chembio.ch](http://symposium.nccr-chembio.ch)

### BioTechX 2022

November 8, 2022, Basel

BioTechX is Europe's largest congress covering diagnostics, precision medicine and digital transformation in pharmaceutical development and healthcare. BioTechX successfully brings together an amalgamation of genomics, translational medicine, data scientists, IT, bioinformaticians, cheminformaticians, clinicians, healthcare and pharma companies. The event will showcase innovation, demonstrate success and break through the obstacles and barriers to ensure that the innovations in genomics and big data, enter the clinic with speed and efficiency.

Join us and be part of the story in 2022 with 400 speakers and 2,000+ attendees.

[terrapinn.com/conference/biotechx/index.stm](http://terrapinn.com/conference/biotechx/index.stm)

### 9<sup>th</sup> EuChemS Chemistry Congress 2024

July 7, 2024 – 16.00, Dublin (Ireland)

The ECC is a scientifically excellent European chemistry meeting that reflects the outstanding research being done in Europe as well as its role in the international scientific community.

Safe the date!

More information will follow in due time.

## 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.

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

Tour organizer: Prof. Christophe Copéret, ETH Zurich

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

**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 SEPTEMBER 2022

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)