



Events

Congresses, Symposia, Lectures, Education Courses

SCS CONFERENCES AND SYMPOSIA

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 55th 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

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 environmental sciences careers/job profiles 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.

DIAC Annual Meeting 2022 and Visit of Empa Dübendorf



May 18, 2022, Empa Akademie, Dübendorf

Annual meeting of the Division of Industrial & Applied Chemistry (DIAC) and visit of Empa Dübendorf.
Registration is mandatory.

Programm

- 09.30 Begrüßungskaffee
10.00 Begrüßungsreferat: Empa – «Materials and Technologies for a Sustainable Future»
Dr. Brigitte Buchmann, Mitglied der Direktion, Departementsleiterin Mobilität, Energie und Umwelt
10.35 «Energiewende dank Mikroorganismen in der Tiefe - Underground Sun Conversion – Flexible Storage»
Martin Rüdüsüli, Senior Scientist Urban Energy Systems

- 11.10 «Corrosion Failure Analysis»
Hans Ulrik, Gruppenleiter Korrosion und Werkstoffintegrität
- 11.45 Mitgliederversammlung 2022 der DIAC
- 12.30 Mittagessen
- 13.45 Besichtigungen von Empa Demonstratoren und Labors
- 15.15 Schlussbesprechung & Verabschiedung

Der Vorstand der DIAC freut sich, Sie am 18. Mai 2022 begrüßen zu dürfen.

Anmeldung

Deadline: 27. April 2022

Anmeldung entweder online via scg.ch/diac-mv/2022 oder per Mail an roger.marti@hefr.ch

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 Andrew DeMello, ETH Zurich
«The past, present and future of microfluidics: a personal perspective»
- 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
- 12.00 Marco Baity Jesi, Eawag
«Machine learning as a tool to predict toxicity of chemicals»
- 12.30 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

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 Talk
- 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× 3 min 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

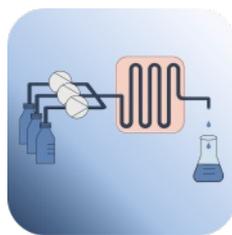
Organizing Committee

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

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-Homasy, 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 Alain Georg, 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, Solvias
«C-H Oxidation or Organolithium Bases in Flow»
- 09.30 Thomas Kretzschmar, 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

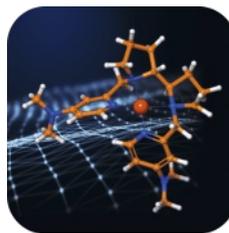
Prof. Roger Marti, HEIA-FR

Dr. Marc-Andre Mueller, DSM Nutritional Products Ltd

Website

flowsem22.scg.ch

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 3× 15 min 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 2× 15 min Contributed Talks
- 12.45 Lunch Break
- 14.00 Prof. Rebecca Buller, ZHAW Wädenswil
«Engineering Fe(II)/ α -Ketoglutarate-Dependent Halogenases and Desaturases»
- 14.45 2× 15 min 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

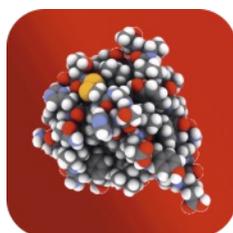
SCS members, regular participant	CHF 50.00
SCS members, students	CHF 0.00
Non-members, regular participant	CHF 100.00
Non member, student	CHF 50.00

Chair of the Organizing Committee

Prof. Matthias Arenz, University of Bern, President SwissCat

Website

swisscat22.scg.ch

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.

Program Thursday, August 25, 2022

09.00	Conference Opening
09.15	Welcome Message
10.00	Prof. Tom Grossmann, University of Amsterdam, NL «Eptidomimetic Inhibitors of Wnt Signaling that Directly target β -Catenin»
10.30	Prof. Hiro Suga, University of Tokyo, JP «The Next Generation RaPID System»
11.30	Coffee Break
12.00	Dr. Dominik Sarma, Belyntic, DE «Developing Peptide Drugs faster with the Peptide Easy Clean (PEC) Technology»
12.30	Prof. Anne Conibear, TU Wien, AT «Decorated Venom: Sulfation and Amidation of Alpha-Conotoxins»
13.00	Lunch Break
14.30	Prof. Beatriz Garcia De la Torre, University of KwaZulu-Natal, ZA and Dr. John Lopez, Novartis, Basel, CH «Beyond the Application of RI as PAT in Solid-Phase synthesis»
15.00	Dr. Samuele Cazzamalli, Philochem, CH «Small Molecule Therapeutics as an Alternative to Peptide Therapeutics: A Clean Strategy to Delivery Bioactive Payloads to Tumors»
15.30	Coffee Break
16.00	Prof. Ali Azhdarinia, University of Texas, US «Fluorescent Peptide Conjugates for Intraoperative Imaging»
16.30	Prof. Gaurav Bhardwaj, University of Washington, US «Computational Peptide Design for Target Therapeutics»
17.00	Poster Session & Apéro

Program Friday, August 26, 2022

10.00	Dr. Paul Beswick, Bicycle Therapeutics, UK «Bicycles® (Bi-Cyclic Peptides) as Novel Therapeutics to treat Antimicrobial Infection»
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10.30	Prof. Ashraf Brik, Technion-Israel Institute of Technology, IL «Modulating the Ubiquitin System with Cyclic Peptides: Chemistry and Biology»
11.00	Coffee Break
11.30	Prof. Frank Kirchoff, University of Ulm, DE «Peptidic Fusion Inhibitors for SARS Cov 2»
12.00	Dr. Martin Bossart, Sanofi, DE «Design of SAR441255, a Potent Unimolecular Peptidic Triple GLP-1/GIP/GCG Receptor Agonist and its Effects on Weight Loss and Glycemic Control»
12.30	Lunch Break
14.00	Dr. Søren Østergaard, Novo Nordisk, DK «Designing Potent and Selective Y2 Agonists»
14.30	Prof. Bill Lubell, University of Montreal, CA «Inflammation Modulation by Peptide Conformation Demarcation»
15.00	Coffee Break
15.30	Dr. Dana Ault-Riche, Maastricht University, NL «Non-Immunogenic Synthetic Proteins Composed of D-Amino Acids Potently Inhibit Tumor Growth»
16.00	Dr. Rami Hannoush, US Ventures, Mubadala Capital, US «Engineered Peptide Agonists for Cellular Reprogramming and Tissue Regeneration»
16.40	Closing remarks

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

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 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
- Poster Session with more than 400 posters in 9 thematic sessions
- Nine parallel sessions focussing on a specific field with keynote lectures and 15 min 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 improve 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 (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: Luc 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. 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

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

Organizing Committee

- Prof. Jean-Louis Reymond, University of Bern (Head)
- Dr. Hans Peter Lüthi, SCS Foundation (Administrative Head)
- Prof. Sascha Hoogendoorn, University of Geneva
- Prof. Aye Yimon, EPFL Lausanne
- Prof. Dennis Gillingham, University of Basel
- Prof. Nina Hartrampf, University of Zurich
- Dr. Aleksandar Stojanovic, Novartis
- Prof. Helma Wennemers, ETH Zurich

Deadlines

13.06.2022 Deadline for abstract submission

28.06.2022 Notification of acceptance with type of contribution (poster, oral communication)

Website and Registration

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.

Programm

- 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 and President of the International Chemistry Olympiad (IChO) 2023
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
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)

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

14th 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

supporting 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»

Website and Registration

scmc22.scg.ch

ADDITIONAL CONFERENCES IN SWITZERLAND AND ONLINE EVENTS

Nanocellulose Days 2022

May 22, 2022, Congressi Stefano Franscini (CSF), Ascona. The Nanocellulose Days 2022 aims to gather the leading nanocellulose scientists as well as key researchers from adjacent fields for an in depth exchange focusing on the most important challenges in the field. Specifically, the Nanocellulose Days 2022 will focus on cellulose-water interactions related to processing and performance of nanocellulosic materials. Understanding these underlying interactions is imperative to developing future advanced bio-based products for a sustainable society. events.empa.ch/

10th International Symposium on Isotopomers (ISI) and 12th 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

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

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

June 9, 2022, ZHAW Campus Grütental (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 zhaw.ch/de/lspm/weiterbildung/fachtagungen/day-of-life-sciences

MolCH Meeting - annual discussion meeting of the Swiss «molecules@surfaces» research community

June 10, 2022, University of Bern, Department of Chemistry, Biochemistry and Pharmaceutical Sciences, Freiestrasse 3, Bern «molCH» is the discussion meeting of the Swiss «molecules at surfaces» research community, taking place annually in Bern. It was established in 2006 with the goal of fostering scientific exchange and informal contacts between participants in a relaxed setting. Over the years, it has somewhat broadened in scope, and has also become the home of the annual gathering of the Swiss UHV SPM community. The one-day «molCH» meetings consist of presentations selected from the participants suggestions, a few invited keynote presentations, and ample time for discussions during coffee breaks and the traditional lunch in the Restaurant Beaulieu garden. empa.ch/web/molch/molchmeeting

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

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

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

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

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

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. 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, 16.30h: Geneva
- Thu, 5. May: EPFL Lausanne
- Fri, 6. May: ETH Zurich
- Mon, 9. May, 16.30h: University of Zurich
- Tue, 10. May, 16.30h: University of Basel

Tour organizer: Prof. Stefan Willitsch, University of Basel

Prof. Jennifer Field, Oregon State University (USA)
«Advancing Environmental Forensics of Per- and Polyfluoroalkyl Substances»

- Mon, 30. May, 16.30h: FHNW MuttENZ
- Tue, 31. May, 10.30h: HES-SO and EPFL, Sion
- Tue, 31. May, 16.30h: University of Geneva
- Wed, 1. June, 16.30h: University of Bern
- Thu, 2. June, 16.00h: Eawag, Dübendorf
- Fri, 3. June, 10.00h: ETH Zurich

Tour organizer: Prof. W. Giger, ETH/Eawag

Prof. Edward I. Solomon, Stanford University (USA)
«Activating Metal Sites for Biological Electron Transfer»
«Geometric and Electronic Structural Contributions to Fe/O₂ 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. 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 MAY 2022

Please note that the talks of the SCS Lectureship Awards are not listed again in this section.

Prof. Bert Weckhuysen, Utrecht University, NL
2. May 2022, 16.00h, ETH Zurich, Hönggerberg
«Advanced Atomic Force Microscopy-Vibrational Spectroscopy Studies of Nanomaterials»

Prof. Stephen M. Goldup, University of Southampton, UK
3. May 2022, 16.30h, University of Zurich, Department of Chemistry
«Mechanically Chiral Molecules: Synthesis and Applications»

PD Dr. U. Duthaler, Clinical Pharmacology & Toxicology, Psychopharmacology Research, University Hospital Basel
4. May 2022, 17.15h, University of Basel, Pharmazentrum
«Ivermectin: Problem Child and Wonder Drug»

Dr. Nako Nakatsuka, ETH Zurich
9. May 2022, 16.00h, ETH Zurich, Hönggerberg
«Harnessing Structure-Switching DNA for Small-Molecule Sensing»

Prof. Marko Anderuh, University of Ljubljana, SVN
11. May 2022, 17.15h, University of Basel, Pharmazentrum
«Discovery of New DNA Gyrase Inhibitors»

Prof. Ilan Marek, Schulich Faculty of Chemistry Technion, Israel Institute of Technology Haifa, ISR
12. May, 2022, 16.30h, University of Geneva
«TBA»

Prof. Dirk Trauner, New York University, USA
17. May 2022, 16.30h, University of Zurich, Department of Chemistry
«Making Molecules to Modulate Neural Systems»

Prof. Sascha Fauser, F. Hoffmann-La Roche, pRED, Basel
18. May 2022, 17.15h, University of Basel, Pharmazentrum
«New therapeutics for age-related macular degeneration»

Prof. Siegfried R. Waldvogel, Johannes Gutenberg-University Mainz, DE
24. May 2022, 16.30h, University of Zurich, Department of Chemistry
«Electrifying Organic Synthesis»

Prof. Leroy Cronin, University of Glasgog, UK
30. May 2022, 16.00h, ETH Zurich, Hönggerberg
«Chemputing the Origin of Life»

Prof. Richmond Sarpong, University of California, Berkeley, USA
31. May 2022, 16.30h, University of Zurich, Department of Chemistry
«Break-it-to-Make-it Strategies for Chemical Synthesis Inspired by Complex Natural Products»

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

Event announcements at Swiss Universities

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

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EuChemS

Chemistry Congress

28 August to 1 September
2022 · LISBON.PT



The Portuguese Chemical Society (SPQ), with the support of the Portuguese Electrochemical Society (SPE), has the great pleasure of organizing the 8th EuChemS Chemistry Congress (ECC8), to be held in Lisbon, Portugal, from August 28 to September 1, 2022.

The 8 EuChemS Chemistry Congress is being built under the unifying theme of Chemistry the Central Science, focusing on the central role of chemistry at the interfaces with biology, material and environmental sciences, both for the progress of humankind and for the solution of fundamental problems of modern societies.

Plenary Lecturers



Hanadi Sleiman
Chemistry and Biology
McGill University, Canada



Cristina Nevado
Organic Synthesis/Medicinal Chemistry
University of Zurich, Switzerland



João Rocha
Materials and Solids
University of Aveiro, Portugal



Lutz Ackermann
Catalysis
University of Gottingen, Germany



Nicola Armaroli
Energy and Sustainability
National Research Council, Bologna, Italy



Joanna Aizenberg
Materials
Harvard University, USA



Takuzo Aida
Polymer and Supramolecular Chemistry
The University of Tokyo, Japan



Dame Carol Robinson
EuChemS Gold Medal 2022
University of Oxford, UK



Michele Parrinello
EuChemS Gold Medal 2020
Eidgenössische Technische Hochschule Zürich, Switzerland



Paul Anastas
August Wilhelm von Hofmann Denkmünze 2022
Yale University, USA



John C. Warner
August Wilhelm von Hofmann Denkmünze 2022
Warner Babcock Institute for Green Chemistry, USA

Important Dates

Dear 8th EuChemS congress attendees these are the important dates to mark in your calendar.

CALL for ABSTRACT

Oral Communications Presenters: 11th-March, 2022 postponed to 30th March, 2022
Notification of Oral Communications Acceptance: 29th April, 2022

Poster Communications Presenters: 29th April, 2022
Notification of Poster Communications Acceptance: 3rd June, 2022

Student Grant Application: 7th June, 2022

PROGRAM

Preliminary Program: 10th June, 2022
Final Programme: 27th June, 2022

REGISTRATION

Standard Registration deadline: 17th June, 2022
Late registration deadline: 5th August, 2022

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