



Events

Congresses, Symposia, Lectures, Education Courses

SCS CONFERENCES AND SYMPOSIA

SCS Spring Meeting 2020:

«Chemistry and the Environment»



April 3, 2020, 09.00–17.30h,
FHNW Muttenz, Aula, Hochschule für
Life Sciences

Given its increasing importance, the Swiss Chemical Society (SCS) extends its activities into the area of Environmental Sciences and founded a new section in 2019. The *Section of Chemistry and the Environment* represents

scientists from all fields of fundamental and applied research in environmental sciences and regulatory experts and acts on their behalf in national and international organizations. The Section's activities include all research areas related to chemical processes that molecules undergo in the environment and their impact on the environment. It includes atmospheric, aquatic and soil chemistry, and the effect of molecules on living organisms.

The SCS Spring Meeting 2020, in combination with the CHIMIA issue 3/2020, provides the opportunity to exchange knowledge and ideas and to form the new community.

Program SCS Spring Meeting 2020

- 09.00 Welcome Coffee
09.30 Opening of the Symposium
Prof. Kathrin Fenner, Eawag Dübendorf and University of Zurich
Chair of the SCS Section Chemistry and the Environment
Prof. Falko Schlottig, FHNW
Director of School of Life Sciences
Prof. Ioannis Katsogiannis, Aristotle University of Thessaloniki, GR
President EuChemS Section Chemistry & Environment
10.00 Prof. Lucy Carpenter, University of York, UK
«Atmospheric Chemistry On and Over the Ocean»
10.45 Prof. Tamara Galloway, University of Exeter, UK
«Microplastic and Global Boundary Threads»
11.30 Dr. Michael Sander, ETH Zurich, CH
«From Persistence to Desistance: on the Environmental Fate of Biodegradable Polymers»
12.15 Lunch
13.00 SCS General Assembly
13.30 Prof. Wendy Queen, EPFL Lausanne, CH
«The Design of Highly Stable MOF/Polymer Composites for the Extraction of Metal Ions from Complex Aqueous Mixtures»
14.15 Prof. Arturo Keller, UC Santa Barbara, USA
«Elucidating Crop Plant Response to Engineered Nanomaterials Using Metabolomics and Proteomics»
15.00 Coffee Break
15.30 Dr. Claudio Screpanti, Syngenta, CH
«Crop Protection 2.0: Chemical Innovation to Support Sustainable Agriculture»

16.15 Dr. Bettina Hitzfeld, Federal Office for the Environment (FOEN)

«Environmental Chemistry: Future Challenges»

17.00 Closing Remark

Aperitif

Participants fees

Free of charge for SCS Members. However, registration via the website is mandatory.

CHF 100.00 for Non-members

Registration Deadline

26. March 2020

Organizing Committee

Prof. Kathrin Fenner, Eawag Dübendorf and University of Zurich
Chair of the symposium, kathrin.fenner@eawag.ch

Dr. Imelda Stamp, Syngenta Crop Protection AG

Prof. Tamar Kohn, EPFL Lausanne

Local Organizer

Prof. Götz Schlotterbeck, FHNW Muttenz

Website

scg.ch/springmeeting/2020

SCS Conference on Stereochemistry 2020 (Bürgenstock Conference)



April 26–30, 2020, Hotel Waldstätterhof, Brunnen, Switzerland

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.

According to its long tradition, the 55th

Bürgenstock Conference 2020 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.

President

Prof. Janine Cossy, École Supérieure de Physique et de Chimie Industrielles, Paris, France

Organizing Committee

Prof. Christian Bochet, University of Fribourg
 Prof. Cristina Nevado, University of Zurich
 Dr. Alain De Mesmaeker, Syngenta Crop Protection
 Dr. Fabrice Gallou, Novartis Pharma AG
 Prof. Thomas R. Ward, University of Basel
 Prof. Jérôme Waser, EPFL Lausanne

Website

scg.ch/buergenstock/2020

CHanalysis 2020**6th Meeting of Swiss Analytical Scientists**

May 7, 13.00h – May 8, 13.00h, 2020,
 Dorint Hotel Beatenberg.

Organized by the Division Analytical
 Sciences of the SCS

The goal of this two-day event is to
 stimulate a stronger cooperation among
 persons working in different areas of an-
 alytical sciences. Scientists from applied
 and fundamental research, from indus-

try, education, and regulation are welcome.

Program Thursday, May 7, 2020

- 13.00 Conference Opening
- 13.05 Dr. Margit Jeschke, Novartis
 «Correlation Analysis of Product Characterization to
 Clinical Outcomes in Cell and Gene Therapies»
- 13.35 4 Contributed Lectures
- 14.35 Coffee Break
- 15.10 Prof. Detlef Günther, ETH Zurich
 «Between Fundamentals and Applications – the Impor-
 tant Role of Analytical Chemistry»
- 15.50 4 Contributed Lectures
- 16.50 Poster session and Aperitif
- 18.30 Dinner
- 21.00 Get-together Party

Program Friday, May 8, 2020

- 09.00 Dr. Diana Coman Schmid, ETH Zurich
 «Network Analysis of Toxicity Pathways»
- 09.30 2 Contributed Lectures
- 10.00 Coffee Break
- 10.30 Prof. Lenny Winkel, Eawag
 «Analytical Advancements Improve Insights into the
 Biogeochemical Cycle of Selenium»
- 11.00 4 Contributed Lectures
- 12.15 General Assembly of the Division Analytical Sciences of
 the Swiss Chemical Society
- 13.00 End of Meeting

Participation Fees (includes meals and accommodation)

Regular fee: CHF 300.00

Students including PhD students: CHF 100.00

Registration

Please register and submit your abstract on the website.
 Posters covering any topics in analytical sciences are welcome.
 The organizers will select twelve abstracts for contributed oral
 presentations.

Due to space limitations, the number of participants is restricted to
 a maximum of 120 persons. Participation will be on a first
 come, first served basis.

Deadlines

15.03.2020: Submission of abstracts
 08.04.2020: Notification of acceptance
 17.04.2020: Registration Deadline

Organizing Committee

Prof. Ernö Pretsch, ETH Zurich
 Dr. Marc J.-F. Suter, Eawag Dübendorf

Conference Office and Contact

Esther Wolff
 c/o Eawag
 Überlandstrasse 133
 CH-8600 Dübendorf
 Phone: +41 58 765 52 00
 Email: kurse@scg.ch

Website

scg.ch/chanalysis/2020

SCS Seminar 2020/1**Patenting and IP in Life Sciences and Chemistry**

June 11–12, 2020, Centre Loewenberg,
 Murten

A hands-on workshop for PhD students
 and postdocs

The course consists of a series of lec-
 tures on intellectual property protection
 and patent law, challenges related to in-
 tellectual property in an academic envi-
 ronment and in a spin-off company and

ethical considerations. Participants will also discover new job
 opportunities in the field of intellectual property management.
 Workshops will provide possibilities to gain hands on experienc-
 es in the topics described.

Program**Thursday, June 11, 2020**

- 09.00 Arrival of participants, registration, check-in & coffee
- 09.45 Opening: Prof. Urs Greber, President LS2 and
 Dr. Hans Peter Lüthi, Director SCS Foundation
- 10.00 Patents: what is it all about?
 Introduction & biotechnology related aspects of patenting
 Prof. Heinz Müller, Clinical Biochemistry, University of
 Basel; Swiss Federal Institute of Intellectual Property,
 Bern
 Chemistry related aspects of patenting
 Dr. Michael Kock, Dr. kock consulting, Basel
- 12.00 Participants' welcome round
- 12.30 Lunch
- 13.30 Protecting IP during commercialization and in a SME
 Dr. Stefan Emler, SmartGene, Zug
- 14.30 Defend your IP rights & Freedom-to-Operate
- 15.45 Introduction to workshops «Protect, Profit, Prosper»:
 Patents (Heinz Müller, Christian Moser, Michael Kock)
 Commercialization (Stefan Emler)
 Rights (NN)
- 16.00 Coffee Break
- 16.30 Workshops (part I)
 «Protect, Profit, Prosper»
- 19.00 BBQ dinner on-site
- 21.00 Free exchange & networking

Friday, June 12, 2020

- 07.00 Breakfast & from check-out
 08.15 Ethical aspects of patenting
 Dr. Anna Deplazes, Institute for Biomedical Ethics and History of Medicine, University of Zurich
 09.15 Patenting in Swiss academic institutions
 Dr. Raluca Flükiger, Swiss University Technology Transfer, University of Geneva
 10.00 Coffee Break
 10.30 Workshops (part II)
 «Protect, Profit, Prosper»
 12.30 Lunch
 13.30 Presentation of Workshop Results
 15.30 Coffee Break
 16.00 Hands-on introduction to patent searches
 Prof. Heinz Müller, Clinical Biochemistry, University of Basel; Swiss Federal Institute of Intellectual Property, Bern
 16.30 Career opportunities in the patent field
 Prof. Heinz Müller, Dr. Michael Kock
 17.00 Closure and departure

Registration

Online via website. Deadline: May 15, 2020

Participation Fee

CHF 400.00

course registration, attendance & material catering (incl. BBQ) during the entire course time accommodation at Centre Loewenberg for one night.

Chairs

Prof. Heinz Müller, Clinical Biochemistry, University of Basel & Swiss Federal Institute of Intellectual Property, Bern, Dr. Michale Kock, Dr. Kock Consulting, Swiss and Europe Patent Attorney.

Website and Registration

meetings.ls2.ch/patenting-2020

Swiss Photochemistry Symposium 2020

June 19, 2020, 10.00–17.00h,
 School of Engineering and Architecture
 of Fribourg

This one-day 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.

The event will comprise scientific contributions from all areas of photochemistry as well as three keynote lectures on the topics of ultrafast spectroscopy, new luminescent metal complexes and solar cells.

The General Assembly of the Section will also take place during the meeting.

Program

- 10.00 Registration and welcome coffee
 10.30 Session 1
 Prof. Peter Vöhringer, University of Bonn, Germany
 «Photochemical dynamics of transition metal complexes from time-resolved infrared-to-visible spectroscopies»
 4 contributed talks
 12.00 Lunch

- 13.00 PCS General Assembly 2020
 13.30 Session 2
 Prof. Luisa De Cola, University of Strasbourg
 2 contributed talks
 14.30 Poster session & coffee
 15.45 Session 3
 Prof. Kristopher McNeill, ETH Zurich, Switzerland
 «Studying aquatic photochemistry with laser spectroscopy and molecular probes»
 3 contributed talks
 17.00 Poster awards

Participation Fees (includes meals and accommodation)

Members of the SCS Photochemistry Section or the European Photochemistry Association (EPA): CHF 80.00
 Non-Members: CHF 100.00

Scientific Committee

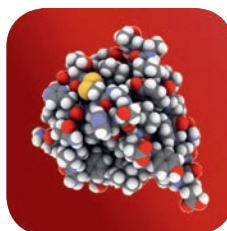
Olivier Nicolet, HES-SO/HEIA-FR (Chair)
 Tatu Kumpulainen, University of Geneva
 Oliver Wenger, University of Basel
 Silvio Canonica, Eawag, Dübendorf
 Kurt Dietliker, ETHZ, Zurich

Contact and Chair

Dr. Olivier Nicolet, HES-SO, Haute école d'ingénierie et d'architecture (olivier.nicolet@hefr.ch)

Website and Registration

scg.ch/pcs/2020

Peptide Therapeutics Forum 2020

August 17–18, 2020

Universitätsspital in Basel, Zentrum für Lehre und Forschung, Basel

The event provides an innovative platform to exchange on the various aspects of drug development with a focus on peptides. Similar to previous events in the framework of Basel Life, presentations highlight important new insights

regarding the drug discovery of peptides including examples for successful development candidates. This forum should disseminate information on latest news in the broad field of therapeutic peptides and enable networking of interested parties from academia and industries.

Program Monday, August 17, 2020

- 09.30 Registration and Welcome Coffee
 10.00 Prof. Jean-Louis Reymond, University of Bern, CH
 «The peptide chemical space as tool for discovery and optimization»
 10.30 Dr. Hans Melo, Menten Biotechnology Labs, CAN
 «Designing peptides on a quantum computer»
 11.00 Coffee Break
 11.30 Dr. Dominic Höpfner & Dr. Jürg Hunziker, Novartis Pharma AG, CH
 «Target Fishing with peptide natural products by chemogenomics»
 12.00 Prof. Ali Tavassoli, University of Southampton, UK
 «Platforms for the generation and high-throughput screening of Microcycle libraries for inhibitors protein-protein interactions»
 12.30 Lunch break, Exhibition, Poster Session and Networking

- 14.00 Plenary Lecture
Prof. Fernando Albericio, University of Kwazulu-Natal, South Africa
«Peptide conjugation, a new avenue in drug discovery»
- 15.00 Coffee Break
- 15.30 Speaker tbd
- 16.00 Prof. Annette Beck-Sickinger, University of Leipzig, GER
«G protein coupled peptide receptors - State of the art and innovative therapeutic concepts»
- 16.30 Dr. P. G. Sasi Kumar, Aurigene Discovery Technologies Ltd, India
«Discovery of peptide inspired orally bioavailable drugs for cancer immunotherapy»
- 17.00 End of Day 1

Program Tuesday, August 18, 2020

- 10.00 Dr. Simone Schadt, F. Hoffmann-La Roche AG, CH
«Biotransformation of peptide drugs»
- 10.30 Dr. Armin Bauer, Sanofi-Aventis Deutschland GmbH
«Synthesis and optimization of non-ribosomal peptide antibiotics»
- 11.00 Coffee Break
- 11.30 Prof. Stephan Urban, University of Heidelberg, GER
«Can a peptide cure chronically infected Hepatitis B and D patients? Recent clinical results on Myrcludex B/bulevirtide»
- 12.00 Dr. Mike Pennington, AmbioPharm, USA
«Cell penetrating plant peptide targets Kv1.3 and inhibits effector memory T-cells»
- 12.30 Lunch break, Exhibition, Poster Session, Networking
- 14.00 Dr. Theodosia Maina-Nock, Molecular Radiopharmacy, NCSR Demokritos, Greece
«Radiolabeled bombesin and gastrin analogs in cancer theranostics: Developments at NCSR "Demokritos"»
- 14.30 Dr. Christiane Smerling, 3B Pharmaceuticals GmbH, GER
- 15.00 Coffee Break
- 15.30 Michael Wagner, Sanofi-Aventis Deutschland GmbH, Germany
- 16.00 Dr. Joel P. Schneider, National Cancer Institute, USA
«Peptide-based materials for miRNA delivery and the treatment of mesothelioma»
- 16.30 Dr. Christian Schwarz, NUMAPHERM GmbH, GER
«Costefficient and scalable manufacture of Liraglutide with a biotech/chemical hybrid approach»
- 17.00 End of the Peptide Therapeutics Forum 2020

Organizing Committee

Prof. Melpomeni Fani, University of Basel, Clinic of Radiology and Nuclear Medicine
Prof. Roderich Süßmuth, Technische Universität Berlin
Dr. Thomas Vorherr, Novartis Institutes for BioMedical Research, Basel

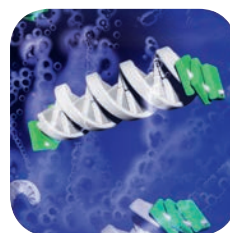
Participant fees (two-day pass)

SCS Members and students: CHF 100
Non-members: CHF 250

Website and Registration

scg.ch/ptf/2020

SCS Fall Meeting 2020



August 24–25, 2020
University of Bern, vonRoll Campus
The SCS Fall Meeting offers a unique opportunity for all members of the community to share the results of their research initiatives. It also stimulates the exchange of ideas between all generations of chemists, often creating the seeds for new projects and collaborations.

Program Monday, August 24, 2020

- 12.00 Registration
- 13.00 Opening of the Fall Meeting 2020
- 13.05 **Helvetica Session**
Prof. Schott Denmark, University of Illinois, USA (Paracelsus Lecture 2020)
- 13.45 Prof. Odile Eisenstein, Université de Montpellier, FRA
- 14.30 Break
- 14.45 **Future Leaders on Stage** (Postdoc sessions)
Four parallel sessions:
- Organic Chemistry/Natural Products
- MedChem & ChemBio
- Inorganic Chemistry/Catalysis
- Physical Chemistry/Theoretical Chemistry
- 16.30 **Future Leading Companies on Stage** (Start-up session)
Two parallel sessions:
- Medicinal Chemistry/Life Sciences
- Chemistry/Material Sciences/Technologies
- 18.00 **Evening Plenary Session**
Dr. Hasane Ratni, Roche (Senior Industrial Science Award Lecture 1)
- 18.30 **Beer & Brezel / Poster Sessions**
- 21.00 End of Day 1

Program Tuesday, August 25, 2020

- 08.30 Registration / Coffee
- 09.30 **Morning Plenary Session**
Welcome
- 10.45 Prof. Konrad Tiefenbacher, University of Basel / ETH Zurich (Werner Lecture 2020)
- 10.15 Ipatasertib Team at F. Hoffmann-La Roche (Sandmeyer Award Lecture 2020)
- 10.45 Break
- 11.00 **9 Parallel Sessions** (1 invited lecture, 5 short talks)
- Analytical Sciences
- Catalysis Science & Engineering
- Computational Chemistry
- Inorganic & Coordination Chemistry
- Medicinal Chemistry & Chemical Biology
- Organic Chemistry
- Physical Chemistry
- Polymers, Colloids & Interfaces
- Chemistry and the Environment
- 12.45 **Poster Sessions** (9 sessions, about 450 posters)
Lunch
- 14.45 **9 Parallel Sessions** (1 invited lecture, 5 short talks)
- 16.30 Break
- 16.45 **Evening Plenary Session**
Dr. Denis Jacoby, Firmenich (Industrial Science Award Lecture)
- 17.15 Dr. Frank Petersen, Novartis (Senior Industrial Science Award Lecture 2)
- 17.45 Ceremony Best Oral / Poster Presentation Awards
Sponsored by Metrohm and DSM
- 18.15 End of Fall Meeting 2020
- 19.00 Swiss Chemistry Science Night 2020, Kursaal Bern

New Session of Chemistry and the Environment: We welcome abstracts from scientists and engineers engaged in all research areas related to chemical processes that (bio)molecules undergo in the environment and their impact on the environment. This includes atmospheric, aquatic and soil chemistry, and the effect of molecules on living organisms.

Call for Abstracts

Abstract submission is open until May 24, 2020. Applications for Future Leaders on Stage presentations, short talks and posters are welcome. Please submit your abstract after the registration process via the web form.

Participation fees

SCS Members: free of charge
Non-members, two-day pass: CHF 250
one-day pass: CHF 150

Website and Registration

scg.ch/fallmeeting/2020

Future of Chemical Education ChemEdu 2020: 1st Year Chemistry Education at the (Swiss) Universities



August 24, 2020, 09.30–18.00h, University of Bern / PH Bern, vonRoll Campus
Within the framework of the Fall Meeting of the Swiss Chemical Society the Division of Chemical Education organises a symposium for those involved in teaching chemistry at different levels such as Sek I, Sek II, advanced technical colleges (FH) and universities. The

major objective of this symposium are the challenges related to teaching chemistry in the first year of the studies at the university.

Professors and teachers from all Swiss universities and also external speakers will share their view, experience, strategies and solutions gained and developed while dealing with the chemistry courses for a large body of students, who just recently left the high schools and commenced their studies at the university.

scg.ch/chemedu/2020

Swiss Summer School: Trends in Organic Synthesis



August 30 – September 3, 2020, Eurotel Victoria, Villars-sur-Ollon

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

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

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

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

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

Lecturers

Prof. Robert H. Grubbs, Caltec
Prof. Christophe Copéret, ETH Zurich
Prof. Josep Cornella, Max-Planck-Institute for Kohlenforschung
Prof. Eva Hevia, University of Bern
Prof. Anat Milo, Ben Gurion University
Prof. Todd Hyster, Princeton University
Dr. Teodoro Laino, IBM Zurich Research Laboratory
Dr. Edouard Godineau, Syngenta Crop Protection AG
Dr. Thomas Carl, Siegfried AG
Dr. Markus Fischer, Merck Group (Sigma-Aldrich Production GmbH)

Registration Fees

	SCS Members	Non-Members
Students/Academics	CHF 650	CHF 850
Other participants	CHF 950	CHF 1'150
Single room accommodation:	+CHF 100	+CHF 100

Scientific Committee and Chairs

Prof. Bill Morandi, ETH Zurich
Prof. Jérôme Waser, EPFL Lausanne

Seminar Director

Dr. Hans Peter Lüthi, SCS Foundation

Website and Registration

scg.ch/scs-seminars/2020-2

NON-SCS CONFERENCES IN SWITZERLAND

3rd Symposium on Industrial Biocatalysis

03.–04.06.2020, Campus Grüental, ZHAW, Wädenswil
The first day will host the SWC Session and the 3rd Innovation in Biocatalysis Network Meeting, the second day will be dedicated to the 3rd CCBIO Symposium on Industrial Biocatalysis.
zhaw.ch/ccbio

ContaSed 2020; 2nd International Conference on Contaminated Sediments

15.–17.06.2020, University of Bern, UniS, Bern
Sediments are sources and sinks of contaminants, and play an important role in mediating pollutants across compartments of ecosystems. Following ContaSed2020 will focus on organic and inorganic sediment contaminant classes including emerging contaminants, heavy metals and persistent organic pollutants. Contributions dealing with empirical or modelling studies are invited to the following Sessions:
oeschger.unibe.ch/contased2020

Future Lab Lives 2020

29.–30.06.2020, Congress Centre Basel, Basel
Future Labs Live will bring together old and new, traditional and innovative. The world's largest and most established manufacturing, life science and agri-chem labs will meet the smallest start-ups in a format designed to spark ideas and foster new relationships. Our aim is to be more expansive in our thinking and more multi-disciplinary in our approach than any other event in

the sector. The world of lab technology faces diverse challenges such as the digital revolution, increasing complex workflows and the constant need to improve efficiency without escalating costs. New technologies and business processes are transforming labs, join us to stay ahead or get left behind!

terrapinn.com

23rd International Conference on Photochemical Conversion and Storage of Solar Energy

03.–06.08.2020, SwissTech Convention Center, Ecublens - 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. 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

Biointerfaces International 2020 incl. Science and Translation Sessions

25.–27.08.2020, University of Zurich, City Campus, Zurich
Biological surfaces and interfaces: where synthetic materials and biological systems interact with and engage each other - one of the most innovative and expanding areas of science and technology over the last two decades. Biointerfaces International 2020 Conference follows a special format: Programming aims to build bridges across relevant application areas, between science engineering, innovation technology, industry and academic partners and between senior scientists early-career researchers. Both internationally highly renowned and young scientists from academia, industry and clinics present their latest, often unpublished scientific findings and technological breakthroughs to a diverse audience.

biointerfaces.ch/international/2020

molQueST Conference 2020

13.–17.09.2020, Congressi Stefano Franscini (CSF), Ascona, Monte Verità

«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.

<https://www.molquest.ch>

1st World Sustainability Week and 8th World Sustainability Forum (WSF2020)

14.–19.09.2020, International Conference Centre Geneva
WSF2020 is an international scientific conference coordinated by the MDPI Sustainability Foundation, under the patronage of the University of Basel, University of Geneva, UN Sustainable Development Solutions Network (UN SDSN). With this event, our quest is to conceive of ways to assure long-term sustainable development for our people, our planet, as well as societal and corporate profit.

wsf-8.sciforum.net

Organic Process Research & Development Conference 2020

21.–23.09.2020, Hyperion Hotel, 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.

scientificupdate.com/conference_events/organic-process-research-and-development-basel/20200921/

SCS LECTURESHIPS

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

The tour in April is cancelled and rescheduled to fall 2020. Details will be announced on scg.ch/scs-lectureships, on scg.ch/events and on posters at the departments and institutes.

Tour organizer: Prof. C. Copéret, ETH Zurich

The SCS Lectureship tours are financially supported by:



LECTURES APRIL 2020

Novartis AG

Gärtnerstrasse 9, Basel



Prof. Ohyun Kwon, University of California, Los Angeles, USA

22.04.2020, 10.30h, WKL-610.P.Auditorium

**University of Basel
Inorganic and Organic Chemistry**

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



Dr. Emiliana Fabbri Friday, Villigen

03.04.2020, 10.45h, Small lecture room OC,
«Materials developments for energy storage through water electrolysis: advanced characterization methods and design principles for oxide electrocatalysts»
AC lecture

Prof. Edward I. Solomon, Stanford University, Stanford, CA, USA

23.04.2020, 17.30h, Small lecture room OC
«Activating metal sites for biological electron transfer»
SCS Lectureship

Prof. Dr. Martin D. Smith, University of Oxford, Oxford, UK
24.04.2020, 10.45h, Small lecture room OC
«Counterions and cascades in organic synthesis»
OC lecture

Pharmaceutical Sciences

Pharmacenter, Klingelbergstrasse 50, 4056 Basel
pharma.unibas.ch/de/teaching/sds/

Dr. Luca Gobbi, F. Hoffmann-La Roche Ltd, Basel
22.04.2020, 17.00h, Lecture Hall 1
«Discovery of PET Tracers for Imaging of Protein Aggregates in Neurodegenerative Disorders»
Seminars on Drug Sciences

Prof. Dr. Paola Luciani, University of Bern, Bern
29.04.2020, 17.00h, Lecture Hall 1
«A phospholipid-based perspective for the diagnosis and treatment of liver fibrosis»
Seminars on Drug Science

University of Bern

Department of Chemistry and Biochemistry
Freiestrasse 3, 3012 Bern
dcb.unibe.ch



Prof. Dirk Jan Slotboom, University of Groningen, The Netherlands
06.04.2020, 16.30h, Hörsaal S 481
«Mechanism of vitamin B12 uptake in Mycobacterium tuberculosis»
Biochemische Vereinigung Bern

Prof. Claudia Kutter, Karolinska Institutet, Stockholm, Sweden
20.04.2020, 16.30h, Hörsaal S 481
«Uncovering the role of transcriptional dark matter»
Biochemische Vereinigung Bern

Prof. Ed I. Solomon, Stanford University, USA
22.04.2020, 16.30h, Auditorium EG16
«Activating Metal Sites for Biological Electron Transfer»
SCS Lectureship / Berner Chemische Gesellschaft

Prof. Simon Newstead, University of Oxford, UK
27.04.2020, 16.30h, Hörsaal S 481
«Peptides and protons: How PH gradients link transport and trafficking in the cell»
Biochemische Vereinigung Bern

Dr. Nathan Brown, BenevolentAI, Chemoinformatics, London, UK
30.04.2020, 15.15h, Hörsaal EG 16
PhD Programm

Dr. Balazs Berkes, Helmholtz-Institut Erlangen-Nürnberg, Germany
30.04.2020, 16.15h, Hörsaal S 379
«Degradation processes in nonaqueous electrochemical systems - stability of electrodes and electrolytes»
PhD Programm

University of Fribourg

Department of Chemistry, chemin du Musée, 9, 1700, Fribourg
unifr.ch/chem



Prof. Michael Mastalerz, Universität Heidelberg, Germany
29.04.2020, 17.15h, PER 10 grand auditoire 0.013
«Shape-Persistent Organic Cages – A new and alternative Class of Porous Materials»

EPFL Lausanne

1015 Lausanne
sb.epfl.ch/chemistry
isic.epfl.ch/PCseminar



Prof. José Ramon Galan, Institute of Chemical Research of Catalonia, Spain
03.04.2020, 16.15h, BCH 2201
«Oxygen evolution electrocatalysis with earth-abundant metals»
Chemical Engineering Seminar

Prof. Ed I. Solomon, Stanford University, Stanford, CA, USA
24.04.2020, 16.15h, BCH 2201
«Geometric and Electronic Structural Contributions to Fe/O₂ Reactivity: Correlations between metalloenzyme and heterogeneous catalysis»
Chemical Engineering Seminar / SCS Lectureship

ETH Zurich

Laboratory of Organic Chemistry (LOC), Hönggerberg
chab.ethz.ch



Prof. David Nicewicz, University of North Carolina, USA
06.04.2020, 16.00h, ETH Hönggerberg, HCI J3
«New Avenues in Synthesis via Organic Photoredox Catalysis»
LOC Monday Colloquium

Laboratory of Physical Chemistry, Hönggerberg
chab.ethz.ch

Prof. Katherine Henzler-Wildman, University of Wisconsin-Madison, Madison, USA
07.04.2020, 16.45h, ETH Zurich, Hönggerberg, HCI J 3
«Protonation, hydration, and the physical chemistry of transporters and channels»
PC Kolloquium

Prof. Christiane Timmel, University of Oxford, UK
21.04.2020, 16.45h, ETH Zurich, Hönggerberg, HCI J 3
«Putting a New Spin on Magnetoreception: a study of spin correlated radical pairs in cryptochromes»
PC Kolloquium

Prof. Markus Aebi, ETH Zurich
28.04.2020, 17.15h, ETH Zurich, Audimax HG F 30
«The Modification of Proteins with Sugars: Ideas and Concepts»
Farwell lecture

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



Prof. Curtis Berlinguette, The University of British Columbia,
Canada
07.04.2020, 17.00h, Lecture Hall Y15-G-40
«Ada: The World's First Self-Driving Lab for Accelerating the
Discovery and Optimization of Materials»

Prof. Edward I. Solomon, Stanford University, Stanford, CA,
USA
20.04.2020, 14.00h, Lecture Hall Y15-G-40
«Activating Metal Sites for Biological Electron Transfer»
SCS Lectureship

Prof. Aleksandra Radenovic, EPFL Lausanne
28.04.2020, 17.00h, Lecture Hall Y15-G-40
«Nanoscopy of 2D Materials»

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