



Events

Congresses, Symposia, Lectures, Education Courses

SCS CONFERENCES AND SYMPOSIA

SCS Seminar: Patenting in Life Sciences & Chemistry 2021



Oct 11–12, 2021, Studienzentrum, Hotel Schloss Gerzensee

A hands-on workshop for PhD Students, Postdocs and junior industry researchers. At the end of this two-day workshop, you will master basic knowledge in intellectual property and will have answers to the following questions: How does patenting in life sciences affect – my career? – academic research? – the society? This program is specially built for PhDs students and Postdocs.

Teaching Body

- Prof. Heinz Müller, Patentexperte, Eidgenössisches Institut für Geistiges Eigentum, Bern
- Dr. Stefan Emler, SmartGene, Zug
- Dr. Anna Deplazes, Institute for Biomedical Ethics and History of Medicine, University of Zurich
- Dr. Raluca Flükiger, Swiss University Technology Transfer, University of Geneva

Website, Registration

meetings.ls2.ch/patenting-2021

ILMAC 2021



Oct 19–21, 2021, Messe Basel
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. 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.

This year, ILMAC is the only live event for the laboratory and process technology sector to be held in the German-speaking part of Switzerland. For the safety of all visitors, exhibitors and service providers, we will again implemented the MCH protection and hygiene concept already successfully implemented at ILMAC LAUSANNE 2020.

Opening hours

Tue, 19.10.2021, 9.00–17.00h

Wed, 20.10.2021, 9.00–18.30h

Thu, 21.10.2021, 9.00–17.00h

The ILMAC Networking Event will take place on Wed, Oct 20, 2021, 5:00-6:30 pm within the official opening hours.

All visitors and exhibitors are invited to the ensuing ILMAC Drug Party.

Registration and Tickets

Free tickets are available on the website with the promo code *SCS-ilmac21*.

Website

ilmac.ch

Swiss Flow Chemistry Symposium 2021



Oct 19, 2021, ILMAC, Messe Basel
The Symposium will showcase the great potential of the Flow Chemistry technology and will focus on intensification and sustainability in chemical processes. The symposium is the part of the ILMAC Basel 2021 Forum program and is the inauguration event of the Swiss Flow Chemistry Network.

Program

10.00 Welcome

Dr. Alain De Mesmaeker, SCS President

10.05 Flow Chemistry Network

Dr. Claudio Battilocchio, Syngenta Crop Protection

Morning Session

Chair: Prof. Andrew deMello, ETH Zurich

10.15 Dr. Paolo Filipponi, Novartis

“Flow chemistry as enabling technology in the synthesis of Entresto”

10.45 Dr. Jan Schütz, DSM Nutritional Products

“Application of flow chemistry in the fine chemical industry – an photo-catalytical approach”

11.15 Dr. Alan Robinson, Syngenta Crop Protection

“Accelerated development and scale-up of an exothermic two-step process”

11.45 Dr. Joerg Sedelmeier, F. Hoffmann-La Roche

“Switching from classical batch operation to continuous technology: The journey from laboratory to pilot scale”

12.15 Lunch Break

Afternoon Session

Chair: Dr. Fridtjof Schroeder, Givaudan

13.30 Dr. Dominique Roberge, Lonza

“Mini-Monoplant Technology for Pharmaceutical Manufacturing”

14.00 Prof. Roger Marti, HEIA Fribourg

“Self-Regeneration of Stereocenters in Flow”

- 14.30 Prof. Nina Hartrampf, University of Zurich
“New avenues in flow-based peptide synthesis”
15.00 Coffee Break
15.30 Roundtable discussion
16.30 Aperitif

Organizing Committee

Prof. Francesca Paradisi, University of Bern
Prof. Christof Sparr, University of Basel
Prof. Jacques Membrez, Givaudan SA

Registration and Tickets

Free tickets are available on the website with the promo code *SCS-ilmac21*.

Website

scg.ch/flowchem/2021

2nd Green & Sustainable Chemistry Day 2021 Renewable Feedstock and Biomass Valorization



Oct 20, 2021, ILMAC, Messe Basel
We are convinced that sustainable chemistry will inspire a change of pace and the new mind-set that society needs in order to become more sustainable, smart and inclusive.
The event will focus on sustainable solutions to society's big challenges and the contributions that chemical sciences can

and must provide.

Join us for us this one-day event at ILMAC Basel, free of charge and designed for interacting and connecting with experts in the field of Renewable Feedstock and Biomass Valorization. ILMAC 2021 ensures a perfect framework to meet, discuss and define follow-up action.

Program, 20 October 2021

- 09.00 Opening of ILMAC 2021 and the ILMAC Forum
Welcome Coffee at the SCS Booth

Morning Session

- 09.30 Ludo Diels, University of Antwerp
“New value chains from renewable resources: bioaromatics a basis for circular biomaterials”
10.00 Regina Palkovitz, RWTH Aachen University
“Atalyst and reaction paths design for the chemo- and electrocatalytic valorization of biomass”
10.30 Jason Camp, CIRCA
“Levoglucosenone – A sustainable platform chemical from waste biomass”
11.15 Walter Leitner, Max Planck Institut for Energy Conversion, Mülheim an der Ruhr
“Any Colour you Like: Multifunctional Catalysts for Selective Activation and Transfer of Hydrogen in Green Chemistry Applications”
11.45 Ignaz Höhle, Clariant
“Clariant sunliquid® - bringing commercial cellulosic ethanol to the market”
12.15 Katalin Barta, University of Graz
“Cleave and couple: embracing complexity in renewable resources”
12.45 Lunch
14.00 Roundtables to meet the experts

Afternoon Session

- 15.00 Opening of the afternoon session. Introduction to the Swiss CleanTech Award
15.10 Swiss Clean Tech Award Lectures (3x10min)
15.40 Remy Buser, Bloom
“Aldehyde-Assisted Fractionation (AAF) enables high yield and selective production of sustainable functional ingredients from biomass”
16.10 Victor Mougél, ETH Zurich
“Bio-inspired strategies across multiple scales: application to overall CO₂ reduction”
16.40 Short break
17.00 Ceremony Swiss CleanTech Award
17.15 Green & Sustainable Chemistry Award 2021
Francesca Paradisi, University of Bern
“Harnessing biocatalysis for sustainable synthetic processes”
18.00 SusChem Soirée
18.15 Michael Carus, Co-Founder of the Renewable Carbon Initiative, Nova-Institut, Germany
“Renewable Carbon Concept and Initiative for a Sustainable Chemical Industry of the Future”
18.40 Networking event

Organizing Committee

Board of SusChem Switzerland

Registration and Tickets

Free tickets are available on the website with the promo code *SCS-ilmac21*.

Website

scg.ch/suschem/2021

Artificial Intelligence and Digitalization in Chemical Research



Oct 21, 2021, ILMAC, Messe Basel
For this Symposium, we are inviting companies to present their AI and Digitalization based R&D activities and achievements.
The goal of the symposium is to give the ILMAC audience an overview on how AI and digitalization are changing our industry. At the same time, the Swiss Chemical Society wants to build a strong and diverse

network of stakeholders in this field.

Session 1: Synthesis Automation & Prediction

- Chair: Arndt Finkelmann, Syngenta Crop Protection
09.05 Alessandra Toniato, IBM Research
“IBMRoboRXN: the autonomous chemical lab bringing together AI, Cloud and Automation”
09.40 Marco Stenta, Syngenta Crop Protection
“LinChemIn: The Network of Synthetic (Bio-)Chemistry”
10.15 Lecture from Chemspeed
10.45 Coffee Break

Session 2: Digital Change: New Ways of Working

- Chair: Hans Peter Lüthi, SCS
11.05 Nik Stiefl & Finton Sirockin, Novartis
“Citizen data science”: from buzzword to MedChem reality”
11.45 Eric Alan Baur & Laurens Versluis, F. Hoffmann-La Roche
“Digital Transformation in Molecule Planning - Shift to Radical Collaborations”
12.15 Lunch

Session 3: Active Ingredient & Materials Discovery

Chair: Torsten Luksch, Syngenta Crop Protection

13.30 Paul Czodrowski, TU Dortmund

14.05 Daniel Kuhn, Merck Healthcare KgaA

“What got you here won't get you there: How ML/AI change the way we work in early drug discovery”

14.35 Coffee Break

15.00 Bruno Betoni Parodi, BASF

“BASLEARN – The Berlin Based Joint Lab for Machine Learning”

15.35 Elisa Liberatore & Julien Hazemann, Idorsia

“Machine Learning Drug Design (MLDD) and SARS-CoV-2 Mpro Inhibitor Discovery”

16.10 Aperitif and networking

Contact

Dr. Thorsten Luksch, Syngenta Crop Protection AG

Dr. Hans Peter Lüthi, ETH Zurich and SCS

Registration and TicketsFree tickets are available on the website with the promo code *SCS-ilmac21*.**Website**scg.ch/ai/2021**5th SCS-Syngenta Symposium 2021 (online)
"Chemistry lab of the future"**

Nov 26, 2021, Online Symposium (Host: Syngenta Research Center, Stein).

The focus will be on cutting edge advances in synthesis design, reaction optimization and drug design assisted by AI as well as the robotic aspects of synthesis automation and testing.

The highlight of the day will be two plenary lectures as well as eight invited lectures.

A “flash communication” session will round out the program over lunch time. The event will be held virtually, and the attendance is free of charge. The event is again a great opportunity to strengthen the link between chemical industries and academic laboratory.

Call for abstracts for the flash communications

During the registration process you have the opportunity to upload your abstract to apply for a flash communication. Deadline is October 15, 2021.

Program

09.15 Welcome Message by Syngenta

09.30 Guillaume Berthon, Syngenta

10.00 Alexander Marziale, Novartis, Basel

10.30 Alain Vaucher, IBM Research, Zürich

11.00 Coffee

11.30 Magnus Johansson AstraZeneca, Sweden

12:00 Speaker dbd

12:30 Lunch

Session with 3min contributed communications

13:30 King Kuok Mimi Hii, Imperial College London, UK

14:00 Petrina Kamyra, Insilico Medicine, Montreal, Canada

14:30 Stevan Djuric The University of Kansas, Lawrence, US

15:10 Coffee

15:30 Jason Hein, The University of British Columbia, Vancouver, Canada

16:00 Alán Aspuru-Guzik (University of Toronto, Canada)

16:40 Closing remarks

**2nd Green & Sustainable
Chemistry Day 2021**ILMAC 2021 at Messe Schweiz, Basel
Wednesday, 20 October 2021, 9-19h**Invited Lecturers**

- Ludo Diels, University of Antwerp
- Regina Palkovitz, RWTH Aachen University
- Jason Camp, CIRCA
- Walter Leitner, Max Planck Institut for Energy Conversion
- Ignaz Höhlein, Clariant
- Katalin Barta, University of Graz
- Remy Buser, Bloom
- Victor Mougel, ETH Zurich
- Francesca Paradisi, University of Bern

Swiss CleanTech Award Lectures 2021**SusChem Switzerland Soirée**

incl. talk of Michael Carus, Co-Founder of the Renewable Carbon Initiative, Nova-Institut, Germany

scg.ch/suschem/2021

 SUSCHEM CH
 Transforming Technology. Enriching Lives.
 www.suschem.ch


 SCS
 Swiss Chemical Society


 ILMAC

Contact

Dr. Amandine Kolleth-Krieger and Vlad Pascanu, Syngenta Crop Protection AG

Website and Registration

syngenta21.scg.ch

European Young Chemists Meeting 2022 (EYCheM22)

Jan 19-22, 2022, Department of Chemistry, University of Fribourg and online conference (hybrid event).

The European Young Chemists' Meeting (EYCheM) features not one but two events. The first being the 17th EYCN delegate assembly - an annual meeting where young scientists from all over Europe meet to discuss future plans and

projects - which is held from the 17th - 19th of January. Following the delegate assembly, the conference starts on the 19th of January. This years EYCheM is focussed on the design, synthesis and utilization of new materials for energy applications.

Confirmed Speakers:

Prof. Bettina V. Lotsch, Max Planck Institute for Solid State Research
 Prof. Omar M. Yaghi, University of California, Berkeley
 Prof. Michael Graetzel, EPFL Lausanne
 Prof. Cafer T. Yavuz, Korea Advanced Institute of Science and Technology (KAIST)
 Prof. Miriam Unterlass, University of Konstanz

Contributed Talks

You have a chance to present your research during the conference! The scientific committee will select outstanding young chemists from the submitted abstracts to present their work as either 15 min contributing talks or 5 min poster highlights. We look forward to your application

Website and registration

events.unifr.ch/eychem22

SCS Seminar on Flow Chemistry 2022

Feb 7-9, 2022, Le Domaine Notre Dame, Villars-sur-Glâne (Fribourg).

The SCS Seminars are three-days educational event 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

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 his daily lab work and will presents 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

Organizers

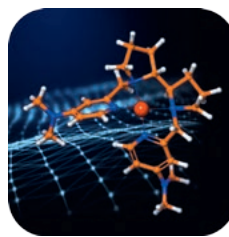
Prof. Roger Marti, HEIA-FR

Dr. Marc-Andre Mueller, DSM Nutritional Products Ltd

The seminar is an initiative of the Swiss Flow Chemistry Network of the SCS

Website

flowchem22.scg.ch (available as of October)

SwissCat Symposium 2022

Feb 16, 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.

Organizier

Prof. Matthias Arenz, University of Bern, President SwissCat

Website

swisscat22.scg.ch

ADDITIONAL CONFERENCES IN SWITZERLAND AND ONLINE EVENTS**4th Swiss Symposium in Point of Care Diagnostics**

21 Oct 2021, Congress Center Davos

The past year showed us more than ever the need for fast and reliable diagnostic tools to efficiently fight the spread of a pandemic threat. While the world is facing a tragic death toll as well as significant societal and economic challenges, the situation gives an enormous push to digitalization, telemedicine and especially also to the field of point-of-care (POC) diagnostics. In the future this will offer to health care professionals new methods for immediate diagnostic and treatment measures, opening up new business opportunities for established and start-up companies.

At the same time there is a continuous need for robust, cost-effective POC diagnostic tools to support outpatient treatment, home care and self-testing especially in cases of chronically ill and where long-term medication is necessary. The rise in geriatric population as well as lifestyle changes in society further drives the market for POC diagnostics.

The Swiss Symposium in Point-of-Care Diagnostics is the perfect venue to meet and exchange on new technologies and innovative

product solutions addressing medical needs in POC diagnostics.
pocdx.ch

32nd World Nano Conference 2021

25-26 Oct 2021, Zurich

"Scrutinizing the latest approaches in the sphere of Nanotechnology".

This Online event has taken the initiative to gather the world class experts both from Academic and Industry in a common platform at Nano 2021 Conferences to share their recent research finding to the world and enlighten other esteemed delegates on latest trends in the field of Nanotechnology.

Nano 2021, host presentations from experts across the world in the field of Nanotechnology and anticipates more than 200 participants around the globe with thought provoking Keynote lectures, Oral and Poster presentations.

nano.expertconferences.org

9th International Conference on Mass Spectrometry and Chromatography

29-30 Oct 2021, Zurich

This conference could be a stage for participation, sharing and exploring the new areas of research and work done on mass spectroscopy and chromatography. The conference will upgrade our knowledge in understanding the current and future research perspectives.

It is an international platform for discussing various separation techniques and mass spectroscopy techniques that will interest you in knowing recent advances and what can be done more.

It is an international forum for debating the benefits, advantages, and applications of herbal plant-based traditional medicines, which are widely used to treat diseases and health concerns in everyday life. Presenting a paper, networking for prospective collaboration, growing your knowledge and discovering solutions, presenting your ideas, learning beyond your field of interest, and publishing a paper are all things that you can do.

massspectrometrycongress.insightconferences.com

7th International Electronic Conference on Medicinal Chemistry

01-30 Nov 2021 - Online Conference

The Conference will cover a wide range of aspects involved in drug discovery and development and provides the opportunity to share the recent research results with colleagues from all over the world. The event takes place during whole November 2021.

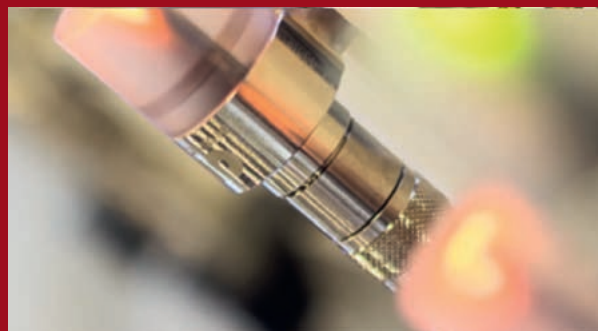
Topics: Medicinal Chemistry, Pharmacokinetics and Pharmacodynamics, Drug Discovery and Development, Radiopharmaceutical Sciences, Drug Delivery.

Participation in the 7th International Electronic Conference on Medicinal Chemistry is absolutely free of charge for contributors and visitors.

ecmc2021.sciforum.net

LECTURES OCTOBER 2021

Please visit our website scg.ch/lectures for the latest announcements on lectures at Swiss universities and companies. Due to the uncertainty associated with the pandemic situation, lectures are often organized, rescheduled or postponed at short notice.
scg.ch/lectures



Flow Chemistry Symposium 2021

ILMAC 2021 at Messe Schweiz, Basel
Tuesday, 19 October 2021, 9-18h

Inauguration Event of the Swiss Flow Chemistry Network

Introduction by Claudio Battilocchio,
Syngenta Crop Protection

Invited Lecturers

- Paolo Filippini, Novartis
- Jan Schütz, DSM Nutritional Products
- Alan Robinson, Syngenta Crop Protection
- Joerg Sedelmeier, F. Hoffmann-La Roche
- Dominique Roberge, Lonza
- Roger Marti, HEIA Fribourg
- Nina Hartrampf, University of Zurich

Roundtable discussion

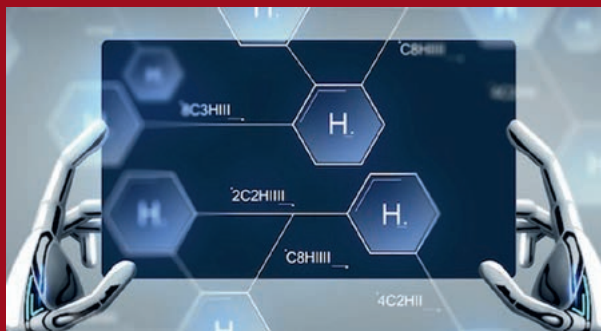
Network aperitif

scg.ch/flowchem/2021



SCS
Swiss Chemical
Society
Flow Chemistry

ILMAC⁼⁼



Symposium on Artificial Intelligence & Digitalization in Chemical Research

ILMAC 2021 at Messe Schweiz, Basel
Thursday, 21 October 2021, 9-17h

Invited Lecturers

Synthesis Automation & Prediction

- Alessandra Toniato, IBM Research
- Marco Stenta, Syngenta Crop Protection
- Rolf Gueller, Chemspeed Technologies AG

Digital Change: New Ways of Working

- Nik Stiefl & Finton Sirockin, Novartis
- Eric Alan Baur & Laurens Versluis, F. Hoffmann-La Roche

Active Ingredient & Materials Discovery

- Paul Czodrowski, TU Dortmund
- Daniel Kuhn, Merck Healthcare KgaA
- Bruno Betoni Parodi, BASF
- Elisa Liberatore & Julien Hazemann, Idorsia

Network aperitif

scg.ch/ai/2021



ILMAC

SCS LECTURESHIPS

Prof. Katharina Kohse-Höinghaus, Bielefeld University (GER),



Katharina Kohse-Höinghaus is a professor of Physical Chemistry at Bielefeld University, Germany, since 1994 and was appointed as a Senior Professor in 2017. Her research targets combustion chemistry and diagnostics with a multi-disciplinary approach encompassing aspects of chemistry, physics, material science and engineering.

Lecture dates

- Tue, Oct 26, 2021, 16.45h, ETH Zurich
“Insight into combustion processes”
- Wed, Oct 27, 2021, University of Basel
“Insight into combustion processes”
- Thu, Oct 28, 2021, University of Bern
“Clean(er) combustion – a contradiction?”
- Fri, Oct 29, 2021, University of Geneva
“Burning issues: Some contributions to combustion chemistry”

Prof. Darren Dixon, Oxford University (UK)



Darren Dixon's research program is centered on catalysis and synthetic organic chemistry and focuses on the development of new catalyst-enabled enantioselective synthetic methodologies and their application in synthesis. The title of the lectures is “New Broad Scope Strategies for Amine and Complex Natural Products Synthesis”

Lecture dates

- Mon, Oct 11, 2021, 16.00h, ETH Zurich
ETH Hönggerberg, HCI J3,
- Tue, Oct 12, 2021, 17.00h: University of Zurich
Irchel Campus, Y15-G-40
- Wed, 13 Oct, 2021: University of Fribourg
Department of Chemistry, main auditorium 0.013
- Thu, 14 Oct, 2021: University of Geneva
Science II, A-100
- Fri, Oct 15, 2021: University of Basel
Anatomy, Pestalozzistr. 20, room 52
- Tour Organizer: Prof. O. Baudoin, University of Basel

The SCS Lectureship tours are financially supported by the Platform Chemistry of the SCNAT and Helvetica.

