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Events

Congresses, Symposia, Lectures, Education Courses

SCS CONFERENCES AND SYMPOSIA

Swiss Summer School 2021: "Catalysis and Sustainable Chemistry"



Sep 5–9, 2021, Eurotel Victoria & La Maison des Congrès, Les Diablerets The focus of this edition of the Swiss Summer Schools is on catalysis and sustainable chemistry, with input lectures by experts from academia and industry, and student presentations. It offers a platform to students for the exchange with leaders in the field from academia and industry.

This Summer School is organized jointly with the NCCR Catalysis. The team of Summer School Lecturers is built from experts in different areas of catalysis and sustainability, representing different academic institutions (Caltech, Princeton, Ben Gurion University, the University of Bern, and ETH Zurich). In addition, lectures presented by researchers from Syngenta, Siegfried, Merck/Sigma-Aldrich, Novartis, IBM Research and Sulzer will illustrate the importance of synthesis, catalysis and sustainability in industry.

Teaching Body

- Prof. Robert H. Grubbs, Caltech
- Prof. Christophe Copéret, ETH Zurich
- Prof. Eva Hevia, University of Bern
- Prof. Todd Hyster, Cornell University
- · Prof. Anat Milo, Ben Gurion University
- Prof. Javier Pérez-Ramírez, ETH Zurich

Industry Lecturers

- Dr. Christoph Boss, Idorsia Pharmaceuticals Ltd.
- Dr. Thomas Carl, Siegfried AG
- Dr. Susanne Drechsler, Sulzer
- Dr. Markus Fischer, Merck/Sigma-Aldrich Production GmbH
- Dr. Edouard Godineau, Syngenta Crop Protection AG
- Dr. Teodoro Laino, IBM Zurich Research Laboratory
- Dr. Audrey Langlois, Novartis
- Dr. Lucie Novelle, Novartis

Organization Committee

- Prof. Bill Morandi, ETH Zurich Prof. Jérôme Waser, EPFL Lausanne/NCCR Catalysis
- Dr. Hans Peter Lüthi, SCS Foundation
- Dr. Marie Francine Lagadec, NCCR Catalysis

Website and Registration

The deadline for registration has passed. summer-school21.scg.ch

DIAC Annual Member Meeting 2021



Sep 6, 2021, Dottikon Exclusive Synthesis AG, Dottikon

DOTTIKON ES is a manufacturer of high-quality performance chemicals, intermediates and exclusive active ingredients for the world's leading chemical and pharmaceutical industries. The company with its production site in Dottikon specializes in safety-critical

reactions and positions itself as a strategic development and production partner.

Program

After the welcome speech by Dr. Markus Blocher, CEO DOTTIKON ES at 09.45h, Stephen Fulton, Team Lead Technology & Sourcing, Syngenta AG will give a lecture on "Industry Trends in Asia (China, India), Sourcing and Supply". The morning session will be completed with the DIAC annual assembly.

After Lunch DOTTIKON ES offers a site tour and a visit of the plant.

scg.ch/diac

Swiss Chemistry Science Night 2021



Sep 9, 2021, Casino Bern This event will honor the

This event will honor the winners of the 2020 and 2021 Swiss Chemical Society Awards in front of distinguished leaders from industry and academia as well as representatives from politics and the media. The evening will be a celebration of discovery and innovation in the chemical sciences.

Program

17.00 Aperitif

18.00 Welcome: Alain De Mesmaeker, SCS President Keynote addresses

18.30 Celebration of the SCS Award Winners 2020: Prof. Scott E. Denmark, University of Illinois, USA Prof. Konrad Tiefenbacher, University Basel/ETHZ Ipatasertib Team F. Hoffmann La-Roche, Basel Dr. Frank Petersen, Novartis, Basel Dr. Hasane Ratni, F. Hoffmann La-Roche, Basel Dr. Denis Jacoby, Firmenich, Geneva Dr. Hans Ueli Ehrensperger, Kantonsschule Frauenfeld Mr. Nicola C. Lüdi, ZHAW Wädenswil

19.30 Dinner

21.00 Celebration of the SCS Award Winners 2021:
Prof. Raffaella Buonsanti, EPFL Lausanne
Team from Casale SA and Clariant
Dr. Andrew Edmunds, Syngenta, Stein
Dr. Cornelia Zumbrunn, Idorsia, Allschwil
Prof. Francesca Paradisi, University of Bern
Dr. Kristýna Kantnerová, EMPA Dübendorf

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Prof. Andrew deMello, ETH Zurich Mr. Stefan Näf, ZHAW Wädenswil Ms. Kristina Djordjevic, FHNW Muttenz

22.00 Dessert, coffee

23.00 Official end

Participation in the event is by invitation only.

SCS Fall Meeting 2021 - Virtual Event



Sep 10, 2021, Online Conference The SCS Fall Meeting is the largest annual scientific event in Switzerland. It offers a unique opportunity for graduate students, post-doctoral researchers and scientists of all levels, from both, academia and industry, to share the results

Formal host of the 2021 edition of the event is again the Department of Chemistry, Biochemistry and

Pharmaceutical Sciences of the University of Bern. After a very successul organization of the first online event in 2020, the Department management kindly agreed to host the Fall Meeting again in 2021.

of their research projects.

Program

09.15 Welcome and Conference Opening

Morning Plenary Session

09.30 Sandmeyer Award Lecture 2021 Pierdomenico Oct Biasi, Casale SA and Rene Eckert, Clariant Produkte (Deutschland) GmbH

10.10 SCS Industrial Science Award Lecture 2021 Dr. Cornelia Zumbrunn, Idorsia Pharmaceuticals Ltd.

10.50 Coffee Break

Morning Parallel Sessions

11.00 Invited/Sponsored Lecture (30min) 5 Short Talks à 15min

Lunch Break

12.45 Virtual Poster Sessions via Gather.Town
Read abstracts, watch short videos and interact with the presenters on a 1:1 basis.

Virtual Commercial Exhibition
13.45 General Assembly of the youngSCS 2021

Afternoon Parallel Sessions

14.30 Invited/Sponsored Lecture (30min) 5 Short Talks à 15min

16.15 Short Break

Afternoon Plenary Sessions

16.30 Werner Prize Lecture 2021 Prof. Raffaella Buonsanti, EPFL Lausanne

17.10 SCS Senior Industrial Science Award Lecture 2021 Dr. Andrew Edmunds, Syngenta Crop Protection AG

SCS Announcements and Ceremony Session

17.50 SCS Announcements

Helvetica Prize of the Swiss Chemical Society 2021

18.00 Best Oral Presentation Awards (sponsored by Metrohm)
Best Poster Presentation Awards (sponsored by DSM)

18.30 End of the Conference

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

Chairs of the SCS Fall Meeting 2021

Prof. Eva Hevia, University of Bern Dr. Hans Peter Lüthi, ETH Zurich and SCS

Website, Registration

Registration is possible until September 10 on the website, fm21.scg.ch

Basic 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 pro-

gram 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

Free tickets are available on the website with the promo code *SCS-ilmac21*. *meetings.ls2.ch/patenting-2021*

ILMAC 2021



Oct 19–21, 2021, Messe Basel Since 1959, ILMAC has been the sole

Since 1939, 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 a partnering with Messe Schweiz and coordinates the collaboration with society partners A714 CHIMIA 2021, 75, No. 7/8

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.

Website

ilmac.ch

Swiss Flow Chemistry Symposiumm 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

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, Germany

"Any Colour you Like: Multifunctional Catalysts for Selective Activation and Transfer of Hydrogen in Green Chemistry Applications"

11.45 Ignaz Höhlein, 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 Mougel, ETH Zurich "Bio-inspired strategies across multiple scales: application to overall CO₂ reduction"

16.40 Short break

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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 Netzworking event

Organizing Committee

Board of SusChem Switzerland

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 Luethi, 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

14.00 Roundtables e.g. 6 tables with experts

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 Apéritif and networking

Contact

Dr. Thorsten Luksch, Syngenta Crop Protection AG Dr. Hans Peter Lüthi, ETH Zurich and SCS

Website

scg.ch/ai/2021

5th SCS-Syngenta Symposium 2021



Nov 26, 2021, Syngenta Research Center, Stein (AG).

The 2021 edition will focus on the Topic "Chemistry lab of the future".

It's a great opportunity to strenghthen the link between chemical industries and academic laboratory.

Contact

Dr. Mathilde Lachia, Syngenta Crop Protection AG

ADDITIONAL CONFERENCES IN SWITZERLAND AND ONLINE EVENTS

EFMC-ISMC 2021

29 Aug – 02 Sep 2021 – Online Conference

EFMC-ISMC 2021 will cover advances in drug discovery in major therapeutic areas, including bacterial and viral infections, diseases of the brain, heart, and respiratory system, fibrotic diseases and cancer. It will also feature most recent advances in new technologies.

The Novartis Institute of Biomedical Research (NIBR) in Basel cordially invites students, post-docs and participants from academia participating in the EFMC-ISMC 2021 symposium to an interactive discovery chemistry event on the Novartis campus.

In a series of dedicated sessions, the interface between chemical biology and drug discovery will be highlighted, including topics such the use of chemical probes for target discovery, molecular imaging, and photochemical approaches. In response to frequent requests by attendees of previous conferences, two sessions will be dedicated to advances in synthetic methodology for drug discovery. Finally, particular emphasis will again be put on first time disclosures and recent highlights in medicinal chemistry.

efmc-ismc.org

EFMC-YMCS 2021

09-10 Sep 2021 - Online Conference

The 8th edition of the EFMC Young Medicinal Chemists' Symposium will be held virtually on September 9–10, 2021 and will be organised by the European Federation for Medicinal Chemistry and Chemical Biology (EFMC) and the EFMC Young Scientists Network (YSN).

The programme of the 8th EFMC Young Medicinal Chemists' Symposium will include:

- keynote lectures given by inspiring leaders in the field, with ample time for interaction with the speakers.
- oral communications by invited prize winners from national young medicinal chemist meetings in Europe

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- flash poster presentations selected from submitted abstracts
- a virtual poster session open to any young researcher submitting an abstract
- a virtual exhibition
- prizes

The scientific programme will also be completed by a series of soft-skills trainings and networking breaks, provided to you by the EFMC Young Scientists Network.

efmc-ymcs.org

2nd Japan-Switzerland-Germany Workshop on Biocatalysis and Bioprocess Development

05-08 Sep 2021 - Congressi Stefano Franscini (CSF)

The workshop will bring together renowned researchers in an inspiring environment to discuss recent advances and future directions of the field and will provide participants with unique opportunities for scientific knowledge exchange. We expect an exciting program covering cutting-edge topics of biocatalysis and bioprocess development in the areas of novel enzymes, metabolic engineering, synthetic biology, sustainable chemistry, whole-cell biocatalysts development, enzyme development and engineering, cascade reactions and applied biocatalysis.

Keynote Lectures:

- Prof. Dr. Uwe Bornscheuer, University of Greifswald
- Prof. Dr. Haruyuki Atomi, University of Kyoto
- · Dr. Laurent Daviet, Firmenich

jsg-enzyme-workshop.com

International Conference on Molecular Ultrafast Science and Technology

12–16 Sep 2021 – Sunstar Hotel, Grindelwald

MUST2021 is sponsored by the Swiss National Competence Center in Research on Molecular Ultrafast Science and Technology (NCCR MUST), an interdisciplinary research program launched by the Swiss National Science Foundation in 2010. The NCCR MUST brings together Swiss research groups working in Ultrafast Science Themes across the fields of physics, chemistry, material science and biology.

The scientific sessions of MUST2021 consist of plenaries, invited and contributed talks and poster sessions.

nccr-must.ch

ScienceComm'21

15-16 Sep 2021 - Université de Fribourg

ScienceComm is the Swiss annual congress of science communication. Its goal is to provide a platform for networking, exchange of experiences between the three languages and cultural regions, and expert discussions. It also establishs the dialogue and the information exchange about new tools and trends in science communication.

sciencecomm.ch

Wilhelm Conrad Röntgen Symposium

18. Sep 2021, ETH Zürich, Hönggerberg

The symposium is dedicated to the physicist Wilhelm Conrad Röntgen (1845–1923). Several talks will highlight Röntgen's biography, as well as the current state of research and applications, in which X-rays play a fundamental role.

Since the combination of history and modern research is particularly attractive to young people, the organizing societies plan a special program in the morning before the Röntgen Symposium, where selected students, namely winners of the SwissPhO and similar competitions, can visit physics laboratories on Hönggerberg and get first-hand information about current research activities. The public is cordially invited to attend the symposium lectures

The public is cordially invited to attend the symposium lectures that will be given in English; admission is free and registration is not required.

The Young Talents Day and the Wilhelm Conrad Röntgen Symposium is jointly organized by the Swiss Physical Society SPS, the Physikalische Gesellschaft Zürich PGZ, and the Swiss Academy of Sciences SCNAT.

sps.ch/en/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*

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 SEPTEMBER 2021

Please visit our website scg.ch 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

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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 multidisciplinary 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: ETH Zurich Tue, Oct 12, 2021: University of Zurich Wed, 13 Oct, 2021: University of Fribourg Thu, 14 Oct, 2021: University of Geneva Fri, Oct 15, 2021: University of Basel

Tour Organizer: Prof. O. Baudoin, University of Basel

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







21 OCTOBER 2021 SWISS SYMPOSIUM IN POINT-OF-CARE DIAGNOSTICS

Congress center Davos - Graubünden













