

Platform for Chemistry,
Pharmacy and Biotechnology

ILMAC

24 to 27 September 2019 | Messe Basel | ilmac.ch



New parallel to Ilmac

MUT

24. – 27.09.2019

Free ticket:
ilmac.ch/ticket with PrioCode
welcome-ilmac19

Highlights: ILMAC Forum | Cleanroom Control | ILMAC Networking Event and ILMAC Drug Party

Main Partner Process

Endress+Hauser 



ILMAC will soon be turning 60 – but it's not ready for the scrap heap just yet!

Tuesday, 24 to Friday, 27 September 2019
Messe Basel, Hall 1
MCH Swiss Exhibition (Basel) Ltd.

Opening hours of the fair

Tuesday, 24.09.19	09.00 – 17.00
Wednesday, 25.09.19	09.00 – 18.30
Thursday, 26.09.19	09.00 – 17.00
Friday, 27.09.19	09.00 – 16.00

ILMAC is taking place in Basel on 24 – 27 September 2019 and celebrating its 60th anniversary – make sure that you're there this year too.

Since 1959, ILMAC has been the sole Swiss industry fair for chemistry and life sciences that displays 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.

Switzerland's leading trade fair for laboratory and process technology

The life sciences and chemical sectors are very strongly represented in Switzerland and constitute a key pillar of the economy. Within this market, companies are currently starting to move their focus back to Switzerland again. Production is returning to Switzerland, and companies that are established here are investing in their home location to a greater extent once more. The Basel conurbation is one of Europe's biggest life sciences regions. Almost two thirds of those employed in the Swiss pharmaceutical industry work in this cluster. In addition, a major portion of the Swiss added value chain is generated in Basel and its surroundings. Around one third of all Swiss exports and a fifth of all Swiss imports are attributable to pharmaceutical products. Global sales of the top ten Swiss chemical and pharmaceutical companies totalled CHF 147 thousand million in 2017.

ILMAC is Switzerland's leading trade fair for experts from more than 20 different branches of industry. Roughly

half the visitors to ILMAC come from the pharmaceutical and chemical industries. In addition, mechanical, plant and apparatus engineering professionals, and also laboratory and biotechnology experts similarly use ILMAC as a contact platform.

Decision-makers and influencers from the **professional categories** come to ILMAC to gather information:

- researchers and developers
- laboratory and project managers
- service providers and consultants
- laboratory assistants
- buyers
- graduates of traditional universities and universities of applied sciences
- plant designers and constructors
- engineering staff
- production and skilled staff
- plant, production, disposal and maintenance officers

Highlights 2019

- **Swiss Green & Sustainable Chemistry Days 2019:** You can find further information under: <https://scg.ch/2019> or on the following pages of this CHIMIA issue (2019/9)
- **Swiss Army - ABC Defense Corps Spiez:** One of our highlights in 2019 will be the ABC Defense Corps from Spiez. Certainly, something to look forward to!
- **Pharma Logistics Day: New and extended in Basel in 2019.** Pharma Logistics Day powered by Lamprecht Pharma Logistics AG. Following the success of the first Pharma Logistics Day in Pratteln in 2018, this year's event is being held in parallel to ILMAC (24–27 September) at Messe Basel. The one-day event is being staged in Hall 2.0 on 25 September. The Pharma Logistics Day has been relocated to Basel in order to better exploit synergies, strengthen the Pharma Logistics Day and expand ILMAC. Further Information: www.ilmac.ch/pld, Tickets: www.ilmac.ch/ticket-pld
- **Cleanroom Control:** At ILMAC 2019 we will be devoting space to this key topic and putting the spotlight on controlled environmental cleanliness for research, development and production. Cleanroom Control is the name given to the attractive communal zone, which constitutes a special exhibition and a meeting point at one and the same time. The communal zone creates an informal and friendly atmosphere conducive to good contacts and business.

- **LabTec 4.0** – exciting exhibitors' lectures await you!
- **Networking Event and ILMAC Drug Party on 25 September from 17.00 to 18.30.** Following the Networking Event, the ILMAC Drug Party is being held from 18.30 to 20.30 for all exhibitors and visitors.
- **MUT – The environmental technology fair held in parallel to ILMAC.** At the MUT fair, the spotlight will be on the latest products and services associated with the following focal themes:
 - corporate environmental protection and environmental management
 - water and wastewater treatment
 - waste management, air pollution control
 - energy and energy efficiency

Partners and Associations



SCS
Swiss Chemical Society

SCS as partner of ILMAC since 1959

In 1959 members of the 'Schweizerische Chemikerverband' in collaboration with the 'Schweizer Mustermesse Basel' organized the first ILMAC and since then, the Chemikerverband and later the Swiss Chemical Society have partnered to organize the fair. The first reports about ILMAC can be found in CHIMIA 1959, November issue, page 346 ff.



Swiss Green & Sustainable Chemistry Days 2019

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 Swiss Green & Sustainable Chemistry Days 2019 will focus on sustainable solutions to society's big challenges and the contributions that chemical sciences can and must provide.

ILMAC 2019 and its focus topic 'Green & Sustainable Technology', ensures a perfect framework to meet, discuss and define follow-up action. The program includes:

- ILMAC Forum with different sessions on the topic of Green & Sustainable Chemistry
- SusChem Switzerland Annual Event 2019 (Thursday Evening Session)
- Discussion Roundtables
- Women in Chemistry Inauguration Gala Night
- Project exhibition with poster presentations and prototypes
- Society Village and SCS Meet & Greet Bar

<https://scg.ch/ilmac/2019>

Main Partner Process

Endress+Hauser 
People for Process Automation

Forum Partner

 Metrohm

Associations and Organizations supporting ILMAC

 Schweizerischer Chemie- und Pharmaberufes Verband

 scienceINDUSTRIES
SWITZERLAND

 SGVC
Schweizerische Gesellschaft der Verfahrens- und Chemingenieurinnen
Swiss Process and Chemical Engineers

 GOP
GESELLSCHAFT FÜR FLUIDTECHNIK

 swiss plastics

 SWISS BIOTECH

 SRRT
SWISS/CCS

 UNNELT TECHNIK
Schweizerischer Verband für
Schweizerischer Verband für
Schweizerischer Verband für

 SVC

 SUSCHEM CH
Plateforme Technologique Européenne
pour la Chimie Durable

 SKB
Schweizerischer Koordinationsverbund für Biotechnologie
Swiss Coordinating Committee for Biotechnology (SCCB)
Comité de coordination suisse de Biotechnologie (CCSB)

 SFC
swissfoodchem.ch

 act
CLEANTECH-AGENTUR
SCHWEIZ

Media Partners

 CHEMIE XTRA

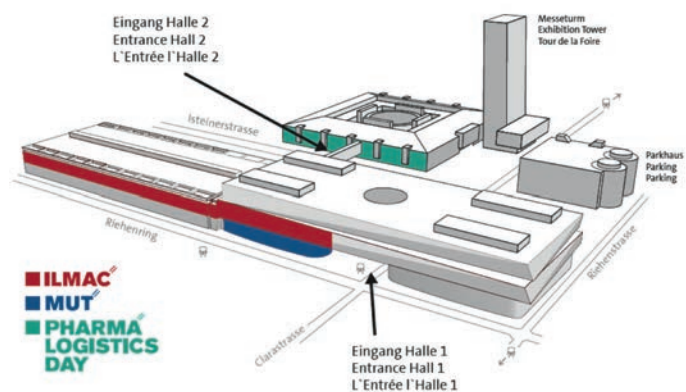
 CHIMIA

ILMAC Location and Travel Information

Basel is the biggest and most important exhibition location in Switzerland and one of the key locations in Europe. The exhibition and congress site comprise five exhibition halls, the Congress Center Basel, and the Musical Theatre Basel.

Basel is at the heart of Europe bordering directly with France and Germany and is Switzerland's second-strongest commercial region. As an urban hub at the three-countries triangle, the exhibition city is also internationally attractive for business and provides a unique range of cultural attractions.

Basel has excellent domestic and international train services. The SBB, DB and SNCF stations are all in the vicinity of the exhibition site. For information and timetables, visit: www.sbb.ch, www.db.de and www.sncf.fr.



Program Overview ILMAC Forum 2019 / Swiss Green & Sustainable Chemistry Days

	Tue, 24.09.2019	Wed, 25.09.2019	Thu, 26.09.2019	Fri, 27.09.2019		
08.45						
09.00	Opening of ILMAC 2019					
09.15						
09.30						
09.45						
10.00						
10.15		Welcome Coffee @SCS Booth	Welcome Coffee @SCS Booth	Welcome Coffee @SCS Booth		
10.30		SusChem Lunch Symposium I John Warner, Warner Babcock Institute (USA) Prof. Matthias Beller University of Rostock (GER) Prof. Rebecca Buller ZHAW Wädenswil Prof. Jeremy Luterbacher EPFL Lausanne Dr. Benjamin Martin Novartis Pharma AG	SusChem Lunch Symposium II Prof. James Clark University of York (UK) Dr. Georg Wuitshick F. Hoffmann-LA Roche AG Dr. Martin Vollmer Clariant Dr. Nicoletta Piccolrovazzi Dow Olympics Hazal Ustundag George / Dr. Gilles Oddon, Firmenich	SusChem Lunch Symposium III Prof. Roger Marti HEIA Fribourg Prof. Urs Baier ZHAW Wädenswil Prof. Wolfgang Riedl FHNW Muttenz Dr. Michael Altdorfer SBA Success Stories Dr. Max Lüthi Lecture 2019 Sandra Witschard, ZHAW Ivan Cornu, HEIA-FR		
10.45						
11.00						
11.15						
11.30						
11.45						
12.00						
12.15						
12.30	Exhibitor Talks Skan AG aconsea gmbh Postnova Analytics SLIMS by Genohm (Agilent) Metrohm Schweiz Bruker Switzerland Irsweep Analytik Jena LNI Swissgas Plasmion Molecular Devices Thermo Fisher Scientific	Lunch	Lunch			
12.45						
13.00						
13.15						
13.30						
13.45						
14.00			Exhibitor Talks Skan AG Endress + Hauser CRB Group SLIMS by Genohm TSI Incorporated VTU Engineering Waters Thermo Fisher Scientific Yokogawa	Exhibitor Talks Skan AG Endress + Hauser Metrohm Schweiz BWT AQUA Textilcolor CBRE GWS Pall International Sàrl Siemens Schweiz		
14.15						
14.30						
14.45						
15.00						
15.15						
15.30						
15.45						
16.00		Poster Exhibition Poster Sessions - SCS Seminar 2019/2 - UAS Project Presentation	Roundtable Discussions Dr. H.-P. Meyer, HES-SO Introduction Lecture Roundtable Discussions - Renewable Feedstock - Chemo vs. Biocatalysis - Big data, AI - Environmental Sciences - Techonoly Platforms	Poster Exhibition Poster Sessions - SCS Seminar 2019/2 - UAS Project Presentation		
16.15						
16.30						
16.45						
17.00		SWC Gala Night Registration, Welcome Drink Dr. M. I. Velazco, Firmenich Dr. Leslie A. Fendt, Roche Aperitif and Networking	SusChem Evening Session Welcome: M. Leuenberger Prof. John Warner Dr. Rafael Cayuela Panel Discussion: J. Warner, R. Cayuela, N. Piccolrovazzi, M. Vollmer, J. Gonzalez- Valero, J. Clarc, V. Filippousi Networking, post panel discussions			
17.15						
17.30						
17.45						
18.00						
18.15						
18.30						
18.45						
19.00						
19.15						
19.30						
19.45						
20.00		ILMAC Drug Party				
20.15						
20.30						
20.45						
				End of ILMAC 2019		

Detailed program information and all abstracts are available on the Swiss Green & Sustainable Chemistry Days 2019 website on:

www.scg.ch/ilmac/2019

ILMAC Forum partner:



Supporter of the SusChem Lunch Sympsia and the SusChem Evening Session



SusChem Lunch Symposia

John C. Warner, one of the experts present at the event, jointly with Paul T. Anastas, defined Green Chemistry as the utilization of a set of principles that reduces or eliminates the use or generation of hazardous substances in the design, manufacture and application of chemical products. Green & Sustainable Chemistry (G&SC) demands a change of mindset and calls for new technologies, thus providing challenges and opportunities across all disciplines, from basic science to the societal, economic and political sphere.

The SusChem Lunch Symposia are embedded in the Swiss Green & Sustainable Chemistry Days and supported by SusChem Switzerland, the Swiss branch of the European Technology Platform for Sustainable Chemistry, and scienceindustries.

Wednesday, 25.09.2019, SusChem Symposium I

- 10.30 **Prof. John Warner**, Warner Babcock Institute for Green Chemistry (USA)
«Green Chemistry: The Molecular Mechanisms of Sustainability and Innovation»
- 11.00 **Prof. Matthias Beller**, University of Rostock (GER)
«Precious Catalysis with Non-Noble Metal Catalysts»
- 11.30 **Prof. Rebecca Buller**, ZHAW Wädenswil
«Harnessing Nature: Biocatalysis for Industrial Applications»
- 12.00 **Prof. Jeremy Luterbacher**, EPFL Lausanne
«Renewable Chemicals from Plants»
- 12.30 **Dr. Benjamin Martin**, Novartis Pharma AG
«Continuous Manufacturing as an Enabling Tool with Green Credentials in Early-Phase Pharmaceutical Chemistry»
- 13.00 Lunch, Networking

Thursday, 26.09.2019, SusChem Symposium II

- 10.30 **Prof. James Clark**, University of York (UK)
«Setting the Scene, the 12 Principles of G&SC»
- 11.00 **Dr. Georg Wuitschik**, F. Hoffmann- La Roche AG
«ChemPager: Greener Processes through Data Analysis»
- 11.30 **Dr. Martin Vollmer**, Clariant
«Sustainability fuels Innovation»
- 12.00 **Dr. Nicoletta Piccolrovazzi**, Dow Olympics
«Sustainability Application concepts»
- 12.30 **Hazal Ustundag George / Dr. Gilles Oddon**, Firmenich SA
«Firmenich EcoScent Compass™: First Holistic Fragrance Sustainability Measurement»
- 13.00 Lunch, Networking

Friday, 27.09.2019, SusChem Highlights from Universities of Applied Sciences

- 10.30 **Prof. Roger Marti**, HEIA Fribourg
«Ionic Liquids – from Green Solvents to Engineering Fluids; 10 Years of Research at ChemTech»
- 11.00 **Prof. Urs Baier**, ZHAW Wädenswil
«Biological Methanation: a chance as well as a challenge for CO₂ upgrading»
- 11.30 **Prof. Wolfgang Riedl**, FHNW Muttenz
«In-situ extraction of carboxylic acids out of fermentations broths using membrane contactors: A more sustainable pathway to platform chemicals (without waste streams)»

Friday, 27.09.2019, Swiss Biotech Success Stories

- 12.00 **Dr. Michael Altorfer**, CEO, Swiss Biotech Association
«Swiss Biotech Success Stories»
The recognition was awarded to:
- **Biogen** for the many Swiss ingredients in its success story
 - **Glycart** (now Roche Glycart) for its role as pioneer in antibody engineering in cancer immunotherapy
 - **Okairos** for its innovative T-cell based vaccines for major infectious diseases
 - **Selexis** for its advanced technologies in protein expression
 - **Vifor Fresenius Medical Care Renal Pharma**, a transformational joint venture

Swiss Biotech Success Stories illustrate the many accomplishments and honor those who have made important and sustainable contributions to the biotech industry in Switzerland. The recognition is awarded annually at the Swiss Biotech Day and reflects the diversity and variety of this industry sector.

Friday, 27.09.2019, Dr. Max Lüthi Award Lectures 2019

- 12.30 Dr. Max Lüthi Award Ceremony 2019
David Spichiger, SCS Executive Director
Hans Peter Lüthi, Director of the SCS Foundation
- 12.35 Dr. Max Lüthi Award Lecture 2019 (1) (Video)
Sandra Witschard, ZHAW
«Voxelated Planar Spheroid Tissue Assembly»
- 12.40 Dr. Max Lüthi Award Lecture 2019 (2)
Ivan Cornu, HEIA-FR
«Synthesis of New Pinene-Phenanthroline and Pinene-Terpyridine Type Ligands»
- 13.15 Lunch, Networking

The Dr. Max Lüthi Award is presented for outstanding degree theses completed in the chemistry department of a Swiss University of Applied Sciences. Nominations must be submitted by the respective chemistry department heads. The prize is awarded annually and is endowed with CHF 1'000 and a medal in bronze.

Location

The ILMAC Forum is part of the ILMAC Networking Zone next to the SCS booth. It is located in hall 1.1 (first floor).

Registration

Participation in the SusChem Lunch Symposia is free of charge. However, you need to order an ILMAC entry ticket to access the fair. Free tickets are available with the promo code SCS-SUSCHEM on <https://ticket.ilmac.ch/MCH/ilmac-tickets-2019/Register/scs-suschem>

Coffee and Lunch

Participants that registered with the promo code SCS-SUSCHEM will get vouchers for a welcome coffee from 09.30–10.30 and finger food lunch from 13.00–14.00.

Coffee and lunch will be served at the SCS Bar, next to the forum.

Webcasts

Klewel, the webcasting company, will record all symposium lectures. We will publish the webcasts on our website after the event.

Support

The Lunch Symposia are supported by scienceindustries

Swiss Women in Chemistry Gala Night

Wednesday, 25.09.2019, SWC Inauguration Gala Night

ILMAC 2019 marks the official launch of the new platform SCS Swiss Women in Chemistry (SWC). Under the umbrella of the Swiss Chemical Society, its aim is to facilitate networking and provide a supportive community for female chemists in Switzerland at all career stages.



SWISS
WOMEN in
CHEMISTRY

The newly established SCS Swiss Women in Chemistry (SWC) is open to all female scientists of Switzerland across the diverse fields of chemistry, life sciences, and biotechnology, coming from academia, industry, and government. The platform aims to support and generate visibility for female chemists through a professional network for women at all stages of their career, from senior executives to junior scientists. Members of the network will be provided with an open platform for the exchange of ideas and experiences, and early researchers can be supported in their professional development through a mentoring program. Members can realize opportunities for collaboration with other organizations and corporations through various networking events.

Through its social media channels, the SWC aims to relay opportunities for external funding (fellowships, travel grants, etc.) and career opportunities, as well as to document and publicize the contributions of female scientists in Switzerland. The SWC network will facilitate access to female experts for media communications and panel discussions and hopes to play an active role in meetings and events across Switzerland.

17.30 Registration & Welcome Drinks

18.00 Career Women in Chemistry presentations:

Dr. Maria Inès Velazco, Consultant at MIV Senses, former SVP R&D at Firmenich

Dr. Leslie A. Fendt, AI integrated Strategy Leader, Global Launch Leader, Ulcerative Colitis at Hoffmann-La Roche

18.30 Networking, Aperitif and Light Dinner

Organizing Committee:

Dr. Rachel Hevey, University of Basel

Prof. Rebecca Buller, ZHAW Wädenswil

Dr. Maud Reiter, Firmenich SA

Discussion Roundtables

Thursday, 26.09.2019, Discussion Roundtables

The roundtable session will give visitors the possibility to meet experts of a certain field and discuss about current and future challenges to develop and implement sustainable solutions. Six tables with 2–4 experts will form the platform of this session and everybody is invited to join. No registration is needed.

The session will be introduced by

16.00 **Dr. Hans-Peter Meyer**, HES-SO Valais-Wallis

«From Lab to large Scale – Industrial Biocatalysis from an SIBC Perspective»

16.30 **Roundtables:**

- **Renewable feedstock: can we move away from petrochemicals?** Experts: Martin Vollmer (Clariant), Jeremy Luterbacher (EPFL Lausanne) and James Clark, (University of York)

Chemo and Biocatalysis: how do we get the best out of the two worlds? Experts: Rebecca Buller (ZHAW Wädenswil) and Hans-Peter Meyer (HES-SO Valais-Wallis), Christophe Copéret (ETHZ)

Big data and AI: What is the impact of the digital revolution on process control and process optimization? Experts: Georg Wuitschik (Roche), Torsten Lutsch (Syngenta) and Benjamin Martin (Novartis)

Environmental Sciences: Can environmental chemistry and ecotoxicology research contribute to designing green chemicals? Experts: Kathrin Fenner (Eawag Dübendorf, University of Zürich), Francis Pilloud (Syngenta), Stefan Höger, Innovative Environmental Services (IES) Ltd.

Technology Platforms: How can Technology Platforms like SusChem Switzerland, innoSuisse enable sustainability related projects? Experts: Greet van Eetwede (INEOS), Edouard Godineau (Syngenta), Nicolas Martin (Innosuisse)

SusChem Evening Session

Thursday, 26.09.2019, SusChem Evening Session

The evening will bring together decision makers in the field of Green & Sustainable Chemistry and is the official annual event of SusChem Switzerland.

- 18.00 Welcome and Opening of the Gala
Dr. Alain De Mesmaeker, Syngenta and President of the Swiss Chemical Society
Dr. Matthias Leuenberger, Novartis and President of scienceindustries
- 18.10 **Prof. John Warner**, Warner Babcock Institute for Green Chemistry (USA)
«Green Chemistry: The Molecular Mechanisms of Sustainability and Innovation»
- 18.30 **Dr. Rafael Cayuela**, Dow Chemicals
«The Chemical Industry 2050»
- 19.00 Panel Discussion
- John Warner, Warner Babcock Institute for Green Chemistry
 - Rafael Cayuela, Dow Chemicals
 - Nicoletta Piccolrovazzi, Dow Olympics
 - Martin Vollmer, Clariant
 - Juan Gonzalez-Valero, Syngenta
 - James Clark, University of York and entrepreneur
- Moderator: B. Magarinos-Ruchat, Firmenich
- 19.45 Networking, post panel discussions
- 20.30 End of the evening session

Registration

Participation in the SusChem Special Events is free of charge. However, you need to order an ILMAC entry ticket to access the fair. Free tickets are available with the promo code SCS-SUSCHEM on <https://ticket.ilmac.ch/MCH/ilmac-tickets-2019/Register/scs-suschem>

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Exhibitor Presentations

ILMAC and the ILMAC Forum provide the opportunity to exhibitors to present their products and services to a broad audience. On Tuesday, Wednesday and Thursday afternoon, 8 to 12 slots are given to the most competitive and interesting applicants.

The presentations have to focus on the scientific innovation with links to more efficient and sustainable procedures and workflows in the chemical and pharmaceutical community or the biotech sector.

Tuesday, 24.09.2019 – Topic: Sustainable Solutions

- 12.30 **Skand AG, Matthias Bittner**
«High purity level for your cleanroom processes despite shortened time of decontamination»
- 13.00 **aconsea gmbh, Sandra Böhme**
«New creative Lab - Wege zur Förderung von Kreativität und Agilität im Labor»
- 13.30 **Postnova Analytics GmbH, Dr. Gerhard Heinzmann**
«Electrical Asymmetrical Flow Field-Flow Fractionation coupled with Online Multi-Angle Light Scattering: Advanced Separation and Characterization of Charged and Polarizable Synthetic and Natural Polymers, Nanoparticles and Proteins»
- 13.45 **Agilent Technologies (Schweiz) AG, Dr. Holger Stalz**
«The Next Generation of Quadrupole LC MS Technology – Agilent Ultivo Triple Quad And LC MSD iQ Single Quad Instruments»
- 14.00 **Metrohm Schweiz AG, Nicolas Rühl**
«NIR Spektroskopie – A sustainable alternative»
- 14.15 **Bruker Switzerland AG, Dr. Hans-Christian Koch**
«Presentation of a new Product - A 'World's First' at ILMAC»
- 14.30 **IRsweep AG, Florian Eigenmann**
«Fast Reaction Monitoring of Curing processes with Dual-Comb Spectroscopy»
- 14.45 **Analytik Jena, Frank Reininghaus**
«Determination of Elemental Impurities in Pharmaceuticals by ICP-MS and ICP-OES ACCORDING TO USP 232 AND 233»
- 15.00 **LNI Swissgas, Daniel Calabrese**
«Innovative solution in terms of Gas Generators for LCMS and GC application»
- 15.15 **Plasmion GmbH, Christine Merkert**
«SICRIT Mass Spectrometry: Simple, Smart and Sensitive Upgrade your LC-MS Instrument!»
- 15.30 **Molecular Devices, Caroline Cardonnel**
«The SpectraMax i3x Microplate Reader - future proof your research with a platform that evolves with your research»
- 15.45 **Thermo Fisher Scientific, Gemma Ellison**
«Modern Ion Chromatography, less chemicals, less waste, more efficiency»

Wednesday, 25.09.2019 – Topic: Lab automation, big data, industry 4.0, artificial intelligence

- 13.30 **Skand AG, Matthias Bittner**
«High purity level for your cleanroom processes despite shortened time of decontamination»
- 14.00 **Endress + Hauser AG**
«Field instrumentation to measure and monitor flow, level, pressure, temperature and analyze liquids»
- 14.15 **CRB Group GmbH, Nicolas Lehle**
«Try Before You Buy – Simulation for Cell and Gene Therapy Facilities»
- 14.30 **SLIMS, by Genohm, a part of Agilent, Jean-Guillaume Baumann**
«Introduction in computerized management of analytical labs»
- 14.45 **TSI Incorporated, Simon Tebb**
«Pharma 4.0 and Facility Monitoring»
- 15.00 **VTU Engineering Schweiz, Stefan Pauli**
«How Data Analytics Supports an Efficient Production»
- 15.15 **Waters AG, Dr Guillaume Béchade**
«Making Liquid Chromatography and High-Resolution Mass Spectrometry (LC-MS) Smarter for Biopharma»
- 15.30 **Thermo Fisher Scientific, Jens Niklas**
«The Connected Lab – How digital transformation is changing the way we do science»
- 15.45 **Yokogawa Deutschland GmbH, Nuran Kaya**
«Security and safety – an inseparable pair»

Thursday, 26.09.2019 – Topic: Resource efficiency (reducing energy, feedstock, solvents, CO₂, waste) and lab safety

- 13.30 **Skand AG, Matthias Bittner**
«High purity level for your cleanroom processes despite shortened time of decontamination»
- 14.00 **Endress + Hauser AG**
«Field instrumentation to measure and monitor flow, level, pressure, temperature and analyze liquids»
- 14.15 **Metrohm Schweiz AG, Markus Läubli**
«Metrohm's way to green Professional IC»
- 14.30 **BWT AQUA AG, Marcel Zehnder**
«Osmotron WFI, Kosteneinsparung und Schonung der Umwelt»
- 15.45 **Textilcolor AG, Detlef Fischer**
«ecodye – The economically and ecologically best PES dyeing process»
- 15.00 **CBRE GWS GmbH, Benedikt Henkel, Orhan Fischer**
«Practical report on different derouging methods to support customer's environmental goals of a greener and more sustainable process including a minimized chemistry usage»
- 15.15 **Pall International Sàrl, Mark Szczyпка**
«Industrialization of Gene Therapy Products using Pall's iCELLis Single-Use Bioreactor»
- 15.30 **Siemens Schweiz AG, Jens Feddern**
«The future of Laboratory Infrastructure»



UAS Project Exhibition

SCS continues its successful collaboration with Universities of Applied Sciences (UAS) and partners with FHNW, HEIA-FR and ZHAW to showcase successful projects in the field of applied Green & Sustainable Chemistry at its joint booth in hall 1.1. The booth is part of the ILMAC networking zone and is located next to the ILMAC Forum.

Each UAS will present itself on a sub-booth and will integrate a poster panel with four poster presentations each.

Permanent Poster Exhibition: Project Title and Team Members

Zürcher Hochschule
für Angewandte Wissenschaften



Methanogenesis – A microbial alternative to catalytic methanation

Judith Krautwald, Urs Baier, Florian Rüschi, Rolf Warthmann

C–C cross-coupling catalysts – from design to application

Christian M. Frech Nabold, Jeanne L. Bolliger, Roman Gerber, Miriam Oberholzer

On-line Monitoring Strategies in Cyanobacteria Large-scale Cultivations for PHB Production

Roberta Carpine, Domink Refardt, Sophia Egloff, Lukas Neutsch

Competence Center for Biocatalysis – CAS Biocatalysis

Katrin Hecht, David Aregger, Rebecca Buller



Engineered Nanobiocatalysts for Greener Processes

Patrick Shahgaldian, Philippe Corvini, Carolina Giunta, Manon Briand, Jenny Sahlin

Development of a silver containing catalyst for gas treatment

O. Scheuber, C. Redard-Jacot, J.-B. Sauv, Uwe Pieles

Nanofiltration membranes applied to recover phosphorus recovery from various waste streams

Kirsten Remmen, Nadja Rastetter, Thomas Wintgens

In-situ extraction of carboxylic acids out of fermentations broths using membrane contactors: A more sustainable pathway to platform chemicals

Florian Burgener, Angelo Gössi, David Kohler, Wolfgang Riedl, Boelo Schuur



Study on the inhibition of the crystallization of potassium hydrogen tartrate by the addition of carboxymethylcellulose in oenological condition

Benoit Bach, Anne-Claire Silvestri, Julien Ducruet, Massimo Varisco, Alexandre de Lambert de Boisjan, Christophe Allemann

CO₂ capture by Ionic Liquids and its subsequent conversion to methanol

Pauline Sanglard, Frank Rogano, Olivier Vorlet, Roger Marti, Ennio Vanoli, HEIA Fribourg

PLA synthesis by reactive extrusion

Pauline Sanglard, Veton Sadiku, Roger Marti, Ennio Vanoli

Exhaust air cleaning system from corn stover for reducing ammonia emissions from livestock housing

Olivier Vorlet, Marc Emery, Yvan Mongbanziama, Stefan Grass, HEIA Fribourg

Society Village

SCS has invited partner organizations to present themselves with a small sub-booth at ILMAC and provides a platform to exchange information and to share ideas. The following organizations will form the ILMAC Society Village:



SCS Bar

Visit the SCS Bar, where you will meet colleagues from the community and where you get free drinks and snacks.

If you order your ILMAC ticket with the free promo code SCS-SUSCHEM you will get free morning coffee and lunch at the SCS bar. Please get your ticket before September 20, 2019.

Direct link to your free ILMAC ticket:

ticket.ilmac.ch/MCH/ilmac-tickets-2019/Register/scs-suschem