



ILMAC 2016: A key event for Switzerland's pharmaceutical and chemical market

Opening hours of ILMAC 2016

Duration of the trade fair, opening times

- Tuesday, 20 to Friday, 23 September 2016
- Tuesday, 9.00 – 17.00
- Wednesday, 9.00 – 19.00, Networking Event 17.00 – 19.00, ILMAC Party as of 19.00
- Thursday, 9.00 – 17.00
- Friday, 9.00 – 16.00

Messe Basel, Hall 1
MCH Swiss Exhibition (Basel) Ltd.
Frequency every 3 years

Switzerland is one of the world leaders in innovation

In 2015 Swiss chemical and pharmaceutical companies exported goods and services of 203 thousand million Swiss francs and provided 42% of all exports of Switzerland. And, in this same year, the top ten of the pharmaceutical and chemical companies alone spent about seven thousand million Swiss francs on research and development in Switzerland. This accounts for around 34% of their global R&D expenditure. The companies' high financial investment in Switzerland as a research location testifies both to the importance of the location and the innovative spirit that drives them. The European and global innovation index shows that Switzerland is not only European champion when it comes to innovation but one of the top three worldwide. In addition to their R&D expenditure, Switzerland's pharmaceutical companies have also invested more than four thousand million Swiss francs in plant and systems, such as technical appliances, machinery, fittings for buildings and manufacturing equipment. As Roche announced end of last year, it will be investing 300 million Swiss francs in a production plant in Kaiseraugst, Switzerland, for the production of a new generation of specialist drugs.

Basel as a key life science region in Europe

Almost two thirds of those employed in the Swiss pharmaceutical industry work in the life science cluster in the Basel region. The major part of the added value generated in Switzerland thus originates in Basel and its surroundings. Approximately a third of all Swiss exports and a fifth of all Swiss imports are attributable to pharmaceutical products

Source: Annual report 2015 of scienceindustries

ILMAC trade fair in close proximity to the market

Since it was founded in 1959, ILMAC has developed into Switzerland's leading supplier fair for the pharmaceutical, chemical, food, drinks, cosmetics and biotechnology industries and covers all the industrial applications for process and laboratory

technology. These sectors are moving ever closer together on the market, since the processes are increasingly no longer being planned and implemented individually within the companies but on a holistic basis instead. This development will be reflected at the 20th ILMAC with its state-of-the-art positioning concept.



Michael Bonenberger, Exhibition Director for ILMAC, explains: "The exhibitors will be positioned in a mixed layout, thus permitting specially tailored synergies between the different sectors. In this way, the professional visitors can experience all the different areas of the trade fair as a single entity." Despite this wide variety, ILMAC will still be clearly laid out and will cover the full range of products and services in

close proximity to the market. The concept is meeting with approval in the industry.

Laboratory technology and process technology are being presented together for the first time instead of in separate sections. The exhibitors can showcase their competences and solutions as an overall package. This will ensure greater attention from the growing number of professional visitors who plan and implement their company processes holistically rather than individually.

ILMAC is the meeting place for suppliers and manufacturers of:

- laboratory equipment; installations, implements, consumables
- analytical technology; analytical devices and processes
- semi-finished products, laboratory chemicals
- information technology
- design and implementation, engineering, management
- plant: process engineering devices and systems
- process and environmental technology
- pharmaceutical packaging: primary and secondary packaging systems
- quality control and validation
- environmentally compatible disposal

Decision makers and influencers from the following areas come to ILMAC to gather information:

- Laboratory professionals
- researchers and developers
- laboratory and project managers
- service providers and consultants

- laboratory assistants
- buyers
- graduates of traditional universities and universities of applied sciences

Process professionals

- plant designers and constructors
- engineering staff
- production and skilled staff
- service providers and consultants
- buyers
- plant, production, disposal and maintenance officers
- graduates of traditional universities and universities of applied sciences

Concentrated life science power in 2016

The international Life Science Congress and also MipTec, the International Life Science Exhibition, are being held in the Congress Center Basel while ILMAC is running. MCH Swiss Exhibition (Basel) Ltd. has cooperated with Congrex Switzerland in the past already. They will now be working together even more closely, exploiting synergies and spanning the full range of activities from the scientific events right through to the practical-oriented ILMAC. In the week from 19 to 23 September 2016, all the events are being staged in the joint framework of the 'Basel Life Science Week'.

Cleanroom and Contamination Control at ILMAC

ILMAC 2016 is giving space to this important 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 developed in cooperation with the Reinraum Akademie and the SwissCCS for ILMAC 2016. Cleanroom Control is a special exhibition and a meeting point at one and the same time, offering the informal and friendly atmosphere conducive to good contacts and business.

Lab handlings and Demonstrations in the LabTec4.0

LabTec4.0 is aimed at moving laboratory appliances out of theory and into practice to a greater extent. In line with the 'Innovation Days' staged by big companies, in LabTec 4.0 the exhibitors present innovative topic in a laboratory environment set up especially for the purpose. They will be presenting their products in practical use and demonstrate their benefits.

Swiss Armed Forces Culinary Team / Cooks Training Corps

In both the laboratory and the kitchen, physical and chemical changes take place that have a major impact on the ingredients and their aggregate state. At ILMAC the Cooks Training Corps works live and offers their delicious tasting portions.

Focal topics

ILMAC 2016 is being staged under the motto 'ILMAC 4.0' with two focal topics. The ILMAC Forum will be looking at these topics from different perspectives during the fair. And, at the popular Lunch&Learn events, recognised experts from industry will be having their say. ILMAC will highlight the following central themes.

ILMAC 4.0: Boosting efficiency – an economic necessity

If the chemical and life sciences industry is to meet up to the economic requirements in future too, it will need to boost the efficiency of its processes and continually step up productivity while observing the highest quality standards. This will increase

demand for new approaches, including particularly flexible processes and systems, automation solutions for the laboratory and for plant operation, and comprehensive global advice. And comprehensive product and employee safety must be guaranteed at all times.

ILMAC 4.0: Trends in state-of-the-art medicine call for new approaches in R&D and production

The trend in the health sector is towards personalised medicine with the corresponding diagnostic agents and specially-targeted individual therapy with highly potent drugs. The pharmaceutical industry and its suppliers must pay due heed to this situation. The research and production of powerful active ingredients and biopharmaceuticals calls for the appropriate safety precautions and high-precision processes. Present-day laboratories must be configured and equipped with the latest generation of information technology in such a way as to permit interdisciplinary cooperation across all the different boundaries. Producing personalised, highly-active drugs in a suppliable form requires flexible, readily adaptable production lines for small batches and frequent format changes.

Partners and associations

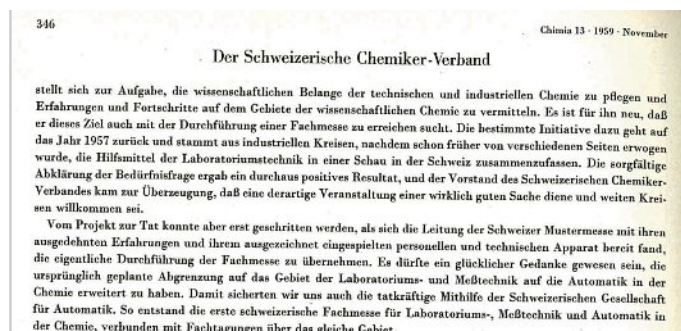


SCS

Swiss Chemical Society

SCS is a partner of ILMAC since 1959

In 1959 members of the 'Schweizerischer Chemikerverband' in collaboration with the 'Schweizer Mustermesse Basel' organized the first ILMAC and since then, the Chemikerverband and later the Swiss Chemical Society are partnering in organizing the fair. The first records about ILMAC can be found in CHIMIA 1959, November issue, page 346ff.



Associations supporting ILMAC



Basel Life Science Week 2016



ILMAC-Forum Program Overview

Tuesday, September 20

09:30–12:40	E Compliance – Data Integrity organised by A3P Schweiz Conference session	Lecture
09:30	Introduction	Lecture
09:40	Data Integrity Assessments / Batch Release Lilly Jean-Marc Jehl	Lecture
10:20	Cloud, Compliance & Data Integrity: Risks and Solutions Coetic Jean-Louis Jouve	Lecture
11:00	Break	
11:20	Physical Environment and Data Integrity Brainserve & ID Quantique Claude Gentile & Kelly Richdale	Lecture
12:00	Data Integrity – A perspective from the Regulatory Authorities Speaker to be confirmed	Lecture
13:00–13:30	Innovative approach to increasing GC & GC/MS efficiency and productivity: Can we dream of the next generation of intuitive gas phase analysis? Agilent Technologies	Lecture
13:30–14:00	Freeing up scientific time by providing quality Lab Support Services VWR International Ulf Kepper	Lecture
14:00–16:00	SCCER Efficiency of Industrial Processes (SCCER EIP)	Lecture
	Welcome and introduction into the SCCER Efficiency of Industrial Processes Prof. Dr. Philipp R. von Rohr	Lecture
	Multi-layer database of Swiss industrial energy demand, savings and investments Observatory Prof. Dr. Sabine Sulzer	Lecture
	High temperature and multi-temperature heat pumps – from basic research to application EPF Lausanne Prof. Dr. Jürg Schiffmann	Lecture
	Steps to continuous manufacturing in pharmaceutical industry ETH Zürich Prof. Dr. Philipp Rudolf von Rohr	Lecture
	Industrial heat exchanger network design considering integration of renewable energy sources and their variability EPF Lausanne Prof. Dr. Françoise Maréchal	Lecture
	Conclusions and outlook Prof. Dr. Philipp Rudolf von Rohr	Lecture

Wednesday, September 21

09:30–10:00	Elemental impurities in Pharmaceutical Materials Analytik Jena	Lecture
10:00–11:00	SCS–FH Awards 2016, Analytical and Food Science	SCS
11:00–13:30	Automatization and huge data handling in Analytical Sciences organised by FHNW Prof. Dr. Götz Schlotterbeck	Lunch & Learn
11:00	Standardization: The Way to the Next Generation Lab Sila Consortium Dr. Daniel Juchli	Lunch & Learn
11:25	The ghost in the machine – The intelligent spectrometer Bruker BioSpin AG Dr. Till Kühn	Lunch & Learn
11:50	Innovative sample management and integration into fully automated walk-up analytics Novartis Pharma Dr. Ingo Muckenschnabel	Lunch & Learn
12:15	Towards a fully automated workflow in NMR & MS analytics from sample preparation to report. Have we broken down all barriers? F. Hoffmann–La Roche AG Dr. Josef Schneider	Lunch & Learn
12:40	Revolution in the lab? From handwritten labels to lab 4.0 CTC Analytics Dr. Günter Böhm	Lunch & Learn
13:05	Q & A and Round table discussion FHNW Prof. Dr. Götz Schlotterbeck	Lunch & Learn
13:30	Lunch and Networking	Lunch & Learn
14:00–14:30	200 years Evolution in Titration Metrohm Schweiz AG Patrick Dürst	Lecture
14:30–15:00	Secure Track & Trace – Successful implementation in pharmaceutical production Chemengineering Simone Glasbrenner & Michael Klöber	Lecture
15:00–15:30	Importance of efficient long term sample handling for the life sciences industry iCryoBio AG	Lecture
15:30–16:00	Latest applications and developments in 2D LC purification Agilent Technologies	Lecture
16:00–16:30	Characterization workflows for the analysis of intact therapeutic proteins and antibody-drug conjugates Thermo Fisher Scientific GmbH Alexander Schwahn	Lecture

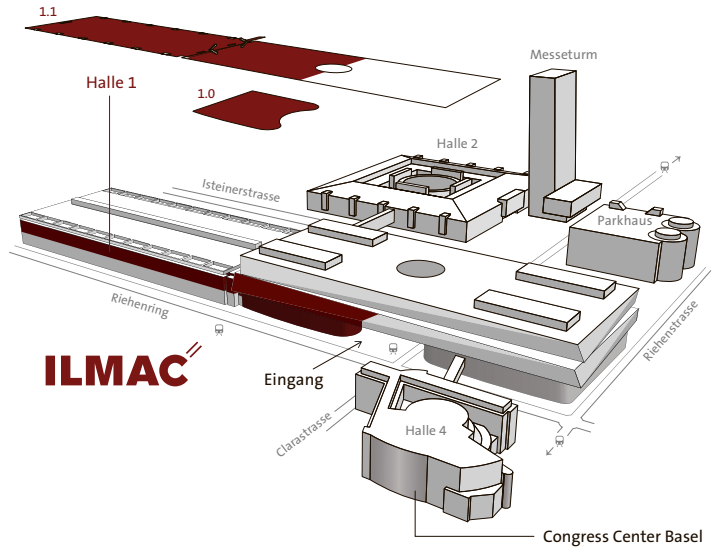
Thursday, September 22

09:30–10:00	The Rotary Pressure Filter (RPF) – Cleaning-In-Place (CIP) BHS-Sonthofen GmbH Kurt Werren	Lecture
10:00–11:00	SCS-FH Awards 2016, Biotechnology and Bioanalytic	SCS
11:00–13:30	Automatization in the laboratory environment organised by BaselArea, i-net innovation Ralf Dümpelmann	Lunch & Learn
11:00	From pipetting slave to IT-wizard ETH Zürich Prof. Sven Panke	Lunch & Learn
11:25	Lab automation, the weak little stepsister of the industrial automation Novartis Pharma AG Dr. Erwin Althof	Lunch & Learn
11:50	Scalable production of organotypic 3D microtissues for safety and efficacy testing InSphero AG Dr. David Fluri	Lunch & Learn
12:15	Gamification of Research & Development Chemspeed Technologies AG Dr. Rolf Gueller	Lunch & Learn
12:40	The Next-Generation Health Data Integration Platform BCPlatforms Dean Corgovic	Lunch & Learn
13:05	Q & A and Round table discussion BaselArea, i-net innovation Ralf Dümpelmann	Lunch & Learn
13:30	Lunch and Networking	Lunch & Learn
14:00–14:30	Saving money through process analysis: heavy metals in waste water Metrohm Schweiz AG Dr. David Witmer	Lecture
14:30–15:00	Safety work in a laminarflow cabinet class II VITARIS AG Patrick Betschon	Lecture
15:00–15:30	A Glimpse into the Future of Cloud Connected Liquid Handling Solutions Gilson Nicolas Paris	Lecture
15:30–16:00	Latest European (2015) and U.S. (2014) guidance for preventing fires and explosions caused static electricity Newson Gale Alex Brady	Lecture
16:00–16:30	Achieving Greater UHPLC Performance: Three Innovative Surface Chemistries for Reversed Phase, Size Exclusion and Chiral LC Methods Brechtbühler Matthias Frübis, Phenomenex	Lecture
16:30–17:00	How to operate compliant to U.S. Pharmacopoeia 87 Helmz Analytics GmbH & Co. KG Thomas Brenn	Lecture

Friday, September 23

9:30–10:00	PAT – Innovative process analytical technology Endress+Hauser Lukas Hablützel	Lecture
10:00–11:00	SCS-FH Awards 2016, Process techniques and engineering	SCS
11:00–13:30	Industry 4.0 in Chemical Engineering organised by Novartis PharmOps Switzerland Andreas Schreiner	Lunch & Learn
11:00	What's behind Industry 4.0? ControlTech Engineering AG Peter Bürgin	Lunch & Learn
11:25	From Lab Data to «Big Data» – closing the gap between R & D and Production Lonza AG Dr. Tobias Merz	Lunch & Learn
11:50	Manufacturing IT & Industry 4.0: success factors for projects – practical examples DSM Nutritional Products Ltd Stephan Gentner	Lunch & Learn
12:15	Process industry 4.0 in manufacturing engineering research Fraunhofer-Institut Dipl.-Phys. Mario Bott	Lunch & Learn
12:40	Industry 4.0 – Future of Process Technology in the Chemical/Pharmaceutical Industry Novartis PharmOps Andreas Schreiner	Lunch & Learn
13:05	Q & A and Round table discussion	Lunch & Learn
13:30	Lunch and Networking	Lunch & Learn
14:00–15:00	Dr. Max Lüthi Award 2015 and 2016 Mr. Ivan Mongbanziana, HES-SO, winner 2015 Mr. Flavio Gall, ZHAW, winner 2016	SCS

ILMAC Forum	Halle 1.1
Networking Event	Halle 1.0 und 1.1
LabTec4.0	Halle 1.0
Cleanroom Control	Halle 1.0
Basel Life Science Week	Congress Center Basel
MipTec	Halle 4.1



ILMAC Networking Event – interesting for expats

On Wednesday, 21 September, ILMAC is staying open for longer, offering visitors the opportunity to discover and experience the trade fair in a more relaxed atmosphere. For two hours, from 17.00 to 19.00, professional trade fair business will be giving way to sociable networking.

ILMAC Location and Travel Information

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.

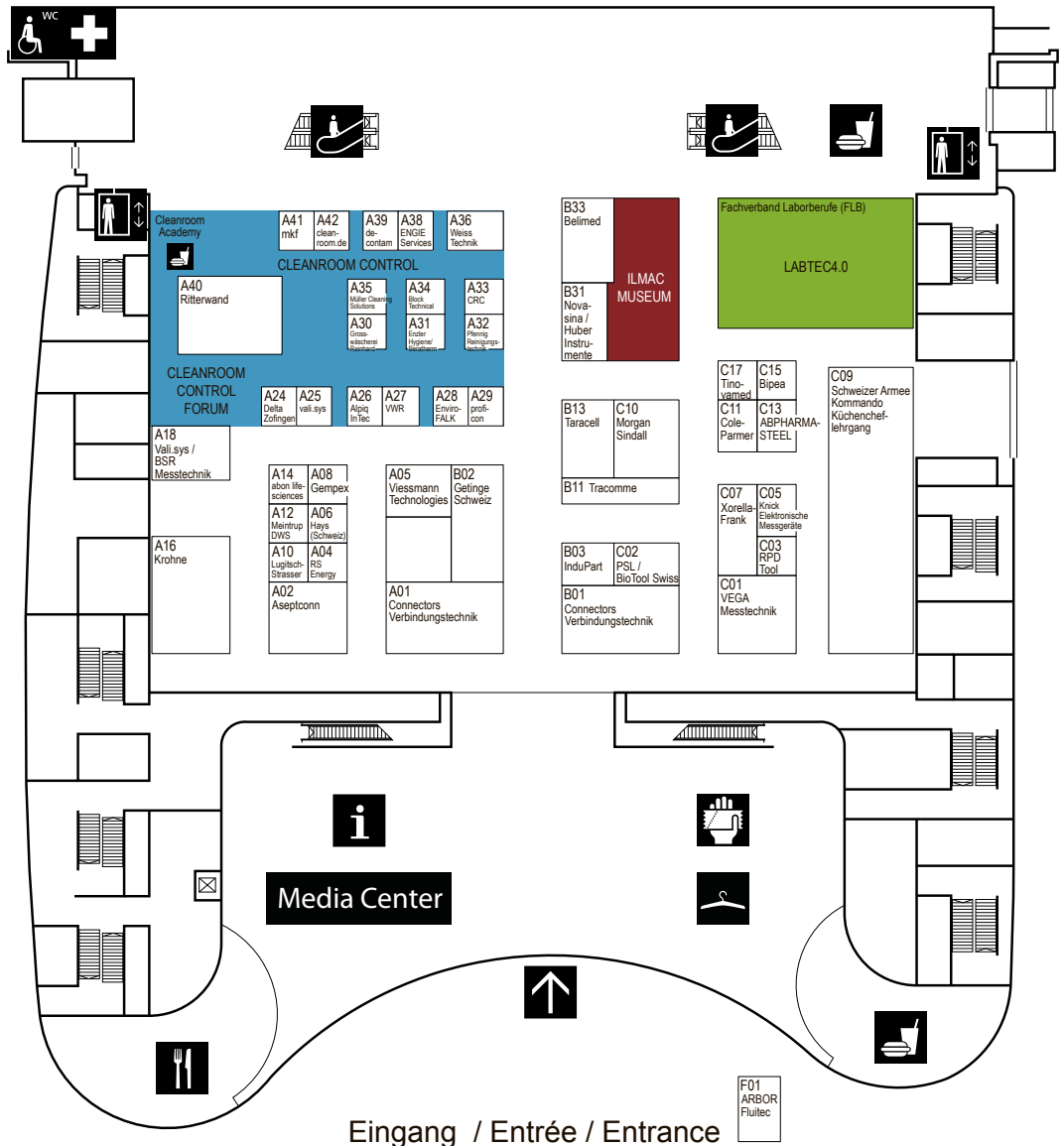
For hotel reservations please visit www.ilmac.ch/hotel

Tickets

Get your free ticket(s) on www.ilmac.ch/ticket and enter the SCS PrioCode **ilmac16-scs**.



Ground floor (Hall 1.0)



First floor, north (Hall 1.1)

The floor plan displays a grid of exhibition booths, each labeled with a number and the name of the exhibitor. The booths are arranged in a structured layout across the hall. Key features include:

- Booths:** Numerous individual booths such as A242 Büchi Labortechnik, B250 Waldner, D259 Roth, and many others, each occupying a specific rectangular area.
- Restrooms:** Multiple restrooms are indicated by icons along the left and right walls, including a wheelchair-accessible WC.
- Service Areas:** A kitchen area with a table and chairs is located near the top center, and a bar area is visible on the right side.
- Navigation:** The plan uses a grid system with letters (A-Z) and numbers (1-29) to identify specific booth locations.
- Exhibitor Names:** A wide variety of exhibitors are listed, including B242 Erlab, C244 Gerber Instruments, D243 SYSTAG, and many others.

First floor, south (Hall 1.1)

