



**INNOVATION
MADE IN
ZURICH**



LIFE SCIENCE ZURICH IMPACT

PRECISION MEDICINE & AI INNOVATIONS

May 26th, 2025 ZURICH

A LIFE SCIENCE ZURICH BUSINESS INITIATIVE
#lszimpact



**Canton of Zurich
Department for Economic Affairs
Office for Economy**



**University of
Zurich**



**Stadt Zürich
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LSZ IMPACT - PRECISION MEDICINE & AI INNOVATIONS

WELCOME TO ZÜRICH



CONTACTS

Congress Management

General information about the Conference, Registration and Industry Exhibition
SHE Meetings by CBS Congress Management GmbH
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Organizer:

Life Science Zurich Business Network
More information:
<https://lsz-impact2025.b2match.io/>



AIM & MOTIVATION

Life Science Zurich Impact «Precision Medicine and AI Innovations» is a one-day multitrack meeting that provides a platform for scientists from academia and industry to present their projects to potential collaborators and investors thus stimulating a dialogue between research, healthcare and economy with a focus on translational medicine.

The future of precision medicine and artificial intelligence (AI) is poised to revolutionize healthcare by providing more personalized, efficient, and effective treatments. The convergence of precision medicine and AI holds great promise for transforming healthcare. However, significant technical, ethical, and logistical challenges must be overcome to realize these benefits.

Against this backdrop, the aim of the conference is to discuss the opportunities and challenges in the field, and to demonstrate how AI and precision medicine are advancing our knowledge and helping to solve challenging health problems.

FORMAT

The conference will feature **keynote speakers, parallel sessions, one-to-one partner meetings and an industry exhibition.** The parallel sessions will cover topics such as **diagnostics, drug and therapy developments, gender medicine, and technology platforms.**

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Matchmaking / 1-to-1 Partnering

Enterprise Europe Network
Nicolas Lentze
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1-TO-1-PARTNERING

To promote networking, and to facilitate the formation of new contacts and the initiation of new projects are major goals of Life Science Zurich Impact - **'Precision Medicine & AI Innovations**. To this end, pre-arranged 20 minutes face-to-face meetings are coordinated by Enterprise Europe Network. Register now for matchmaking at the conference webpage. During the conference, Nicolas Lentze from Enterprise Europe Network will offer on-site support.

A longterm Matchmaking will also be available from 27 May - 3 June 2025. Participants have the opportunity to schedule virtual meetings with other participants for a one week period after the event. This allows you to deepen connections. Other than the onsite meetings, the duration of longterm matchmaking meetings can be set by the participants.

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MORNING PROGRAM

08:00 - 09:00 **Registration & Welcome Coffee**

09:00 - 09:15 **Welcome & Introduction**

Danielle Spichiger, Director Life Sciences, Business & Economic Development, Canton of Zurich; President Life Science Zurich Business Network
Dr. Anna Erat, MD, PhD, Internal medicine, sports medicine

09:15 - 09:40 **The role of artificial intelligence for precision sex- and gender medicine**

Prof. Dr. Carolin Lerchenmüller, Chair for Gender Medicine, University Hospital Zurich

09:40 - 10:05 **Healthcare on the move: the shift from central labs to decentralized care**

Moritz Hartmann, Head of Roche Information Solutions, Roche

10:05 - 10:30 **From Informatics Research to Real-World Practice: Accelerating Data-Driven Personalized Medicine at Charité and Beyond**

Prof. Dr. Fabian Prasser, Head of Medical Informatics, Charité, Berlin Institute of Health

10:30 - 11:00 **Coffee Break**

11:00 - 12:30 **Parallel Sessions** (Details on the next page)

Medical Devices (Room: tba)

Platforms (Room: tba)

Precision Medicine (Room: tba)

12:30 - 14:00 **Lunch Break**

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PARALLEL SESSIONS - MORNING PROGRAM

Parallel Sessions

11:00 - 12:30 **Medical Devices** (Room: tba)

Chair **Vincent Irrling**, Managing Director, Healthtechpark Zurich-Schlieren

Speakers **Vincent Irrling**, Healthtechpark Zurich-Schlieren
Philipp Ganz, aiEndoscopic AG
Lucas Donoson, ETH Zurich & Balgrist University Hospital
Misako Yamazaki, UZH
Dr. Samuel Wehrli, ZHAW
Dr. Dominik Wyser and Bianca Badii, ETH

Attractiveness of AI & Precision Medtech for investors
AI in laryngoscopy - bringing the expertise to the place where it is needed the most
MenstruAI: A Wearable In-pad Diagnostic for the Detection of Disease Biomarkers in Menstruation Blood
PRIMA genetics solution, for personalised and optimised treatment decision
Strengthening children's attention in learning situations with the focus smartwatch
Optohive - A new wearable brain imaging system for precision medicine

11:00 - 12:30 **Platforms** (Room: tba)

Chair **Dr. Carine Poussin**, Head AI for Life Sciences, CSEM

Speakers **Dr. Carine Poussin**, CSEM
Dr. Susan Mérillat, UZH USZ Precision-Age
Prof. Alexandre de Spindler / Prof. Stefan Segerer, ZHAW and Cantonal Hospital Aarau
Andrej Weideli, AlpineAI AG
Prof. Monika Reif, ZHAW
Dr. Julia Maurer, Swiss Personalized Health Network

Revolutionizing Healthcare with AI
LIFEstreams Technology Platform at UZH - An Innovation Platform for Real-World Data and Healthy Longevity
Conversational AI & XR for Empowering Patients
Transforming Healthcare with SwissGPT: AI Solutions for a Secure and Efficient Future
Ensuring Trustworthy AI - A Certification Scheme for Assessment and Compliance
Recommendations for Assessing Re-Identification Risks in the Reuse of Health Data in compliance with Swiss Legislation

11:00 - 12:30 **Precision Medicine** (Room: tba)

Chair **PD Dr. Suzana Atanasoski**, Head Strategic Projects, University Medicine Zurich, UZH

Speakers **PD Dr. Suzana Atanasoski**, UZH
Dr. Eva Camarillo, USZ
Philip Heesen, UZH
Jonas Meirer, CSEM
Tilman Beck, USZ
Dr. med. Paul Stehberger, USZ

Building Bridges in Precision Medicine: The UMZH Umbrella Strategy
Single-Cell Insights into Co-Expression Networks Advance Precision Medicine in Melanoma Heterogeneity
SHAPEHUB: Redefining Precision Medicine for Effective, Safe, and Cost-Efficient Care
Embedding Biological Knowledge into AI: A Path to Robust and Interpretable Precision Medicine
ICUCockpit: IT infrastructure for the collection of multi-modal, high-resolution patient data and online validation of predictive algorithms in a live data stream
Unsupervised Detection of EEG Bursts for Efficient and Reliable Monitoring

LSZ IMPACT - PRECISION MEDICINE & AI INNOVATIONS AFTERNOON PROGRAM

Parallel Sessions (Details on the next page)

14:00 – 15:30 **Diagnostics** (Room: tba)

14:00 – 15:30 **Platforms with focus clinic** (Room: tba)

14:00 – 15:30 **Platforms with focus R&D** (Room: tba)

15:30 – 16:00 **Coffee Break**

16:00 – 16:25 **Identifying next generation therapeutics**

Dr. Christian Rommel, Global Head of Research & Development, Bayer Pharmaceuticals

16:25 – 16:50 **Cracking the code: what life science investors look for and how to secure the right funding**

Jacqueline Ruedin Rüschi, Founding General Partner, Privilège Ventures SA

16:50 – 17:30 **Panel Discussion: Opportunities and risks of AI in precision medicine**

Prof. Dr. Carolin Lerchenmüller, Chair for Gender Medicine, University Hospital Zurich

Prof. Dr. Fabian Prasser, Head of Medical Informatics, Charité, Berlin Institute of Health

Jacqueline Ruedin Rüschi, Founding General Partner, Privilège Ventures SA

Dr. Matthew Prime, International Business Leader for Clinical Decision Support & Algorithms, Roche

Moderation: Dr. Anna Erat MD/PhD, Internal medicine, sports medicine

17:30 – 18:00 **Outlook and Closing Remarks**

Prof. Dr. Beatrice Beck Schimmer, Vice President Medicine, UZH/UMZH

Prof. Dr. Thomas Ott, Director of Institute of Computational Life Sciences, ZHAW

18:00 – 19:00 **Apéro Riche**

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PARALLEL SESSIONS - AFTERNOON PROGRAM

Parallel Session	
14:00 – 15:30	Diagnostics (Room: tba)
Chair	Beat Hörmann , Department Head Healthtech & Innovation, Supercomputing Systems AG, Co-Moderator: Dr. Christian Hugo Hofmann , Technopark AI Startup Center
Speakers	Beat Hörmann , Supercomputing Systems AG Dr. Quy Vo-Reinhard , Genorare Parisa Rahimzadeh , USZ Dr. Bechara Saab , Mobio Interactive Pte Ltd Dr. Peter O. Owotoki , EmpathicAI.Life AG Robert Berke , Kaiko AI
	The past and future of AI in ophthalmology AI Meets Privacy: A New Era for Rare Disease Diagnosis with Genorare Impact of co-alterations on first-line treatment in PD-L1 high KRAS G12C mutated lung adenocarcinoma in real world data within the Precision-Oncology-Program Scalable precision psychiatry with an objective measure of psychological stress: Prospective real world study Empathic AI Innovations for Screening, Monitoring and Control of Neuropsychiatric Conditions Multimodal Foundation Models in Oncology: From research to clinical impact
14:00 – 15:30	Platforms with focus Clinic (Room: tba)
Chair	Michael J. Flynn , Senior Program Leader Digital Healthcare Ecosystems, Roche Diagnostics International Ltd
Speakers	Michael J. Flynn , Roche Diagnostics International Ltd Dr.-Ing. Ahmed Abdulkadir , ZHAW Dr. Ahmad Aghaebrahimian , ZHAW Sonja Feer and Felix Saaro , ZHAW Dr. Yannick Suter , UZH & USZ Dominik Kunz , ZHAW
	Clinical Platforms: Enabling Next-Generation Patient Care and Innovation Promises and challenges of AI foundation models in image-based diagnostic Enhancing Healthcare Services via Advancing Document Analytics with AI Machine Learning powered Patient Records Analysis for Injury Monitoring in Children and Adolescents Privacy-Preserving Automated Continuous Neurological Assessment for ICU Patients through AI Video Analysis Transforming Healthcare with Wearable Technologies: Innovative Use Cases in Hospitals and at Home
14:00 – 15:30	Platforms with focus R & D (Room: tba)
Chair	Prof. Dr. Sven Hirsch , Head of Center for Computational Health & Director ZHAW Digital Health Lab
Speakers	Prof. Dr. Sven Hirsch , ZHAW Dr. Satu Nahkuri , Roche Glycart AG Dr. Michal Shoshan , metaLead AG Dr. Anna Fournier , Swiss Data Science Center Marc Lamarin , CSEM Vanessa Matos , ETH
	Leveraging AI for translational health research Drug target evaluator tool based on autonomous AI agents Transforming Wilson disease therapy with innovative short peptides Impact of AI across various stages of drug discovery & development AI-driven Healthcare Transformation: Integrating and Contextualizing Multi-modal Data for Personalized Medicine Bridging Disciplines for Sweat Diagnostics in Aging: Early Challenges and Learnings from the AGE RESIST Project

LSZ IMPACT KEYNOTE SPEAKERS

Moderator



Dr. Christian Rommel became EVP, Global Head of Research & Development and a member of the executive committee of Bayer Pharmaceuticals in February 2021. He joined Bayer from Roche, where he was most recently Senior VP, Global Head of Oncology, Pharma Research and Early Development (pRED). Rommel also served at Amgen as Vice President of External Research and Development. Before that role, he was Amgen's Vice President, Research Oncology. Previously, Christian Rommel served as Chief Scientific Officer of Intellikine, a private biotech company based in San Diego, from its inception to acquisition by Takeda. Earlier in his career, Rommel was Head of Target Research at Merck-Serono in Geneva, Switzerland. He also worked as a scientist in the team of George Yancopoulos at Regeneron Pharmaceuticals, New York. Christian Rommel received his PhD in molecular oncology from the Max Planck Institute in Berlin, Germany and the Institute of Medical Virology at the University of Zurich, Switzerland. He is also a lecturer of biotechnology at the ETH Zurich, Switzerland. He has authored more than 70 publications, including papers in Science and Nature, and is an inventor or co-inventor of 18 patents.

Moritz Hartmann is Head of Roche Information Solution (RIS), which focuses on delivering data-driven solutions that empower healthcare professionals and patients to make insights-based decisions. Connecting the lab, care and home settings, these innovative digital solutions help unlock digital ecosystems across the care continuum for financial, operational, and clinical insights that drive personalized healthcare for patients around the globe. Moritz started his career in the tourism industry developing online travel booking engines. He joined Roche in 2005 and since, has successfully led large and diverse organisations and teams across different regions and divisions while driving innovative digitisation projects and partnerships. Moritz was appointed Head of the newly created Roche Information Solutions (RIS) in May 2021. A German native, Moritz holds degrees in Controlling and Finance as well as Marketing and International Management and an MBA from the Northwestern University - Kellogg School of Management.

Prof. Dr. Carolin Lerchenmüller is Chair for Gender Medicine, University Hospital Zurich. Carolin Lerchenmüller studied medicine at the University of Heidelberg, where she also completed her training as a cardiologist at the university hospital. After a research stay at Massachusetts General Hospital/ Harvard Medical School, she took over the leadership of the Cardiac Remodeling and Regeneration Laboratory at the University Hospital Heidelberg. In 2021, she founded and has since led the "Gender Medicine Network Heidelberg". Prof. Lerchenmüller focuses on the protective effects of exercise on the heart, as well as the role of equity and diversity in medicine and science. She has published research on topics such as the "Gender Publication Gap" and gender-specific differences in the perception of science. In 2024, Carolin Lerchenmüller accepted a position at the University of Zurich, where she took over the newly established Chair of Gender Medicine and will continue her clinical work in the Cardiology Department of the University Hospital Zurich.

Prof. Dr. Fabian Prasser is a Full Professor of Medical Informatics at Charité – Universitätsmedizin Berlin and the Berlin Institute of Health (BIH), where he chairs the BIH Medical Informatics Group. His work focuses on integrating clinical and research data, and advancing secure and ethical data sharing across institutions. As the Scientific Director of Charité's Data Integration Center, Prof. Prasser oversees a platform that supports hundreds of users and research projects by providing access to data from various clinical and research systems. The platform leverages technologies like HL7 FHIR, OMOP, and OpenEHR, and facilitates self-service analytics through tools such as i2b2 and ATLAS. It is connected to the national data sharing infrastructure established by the German Network of University Medicine (NUM) and the German Medical Informatics Initiative (MII), as well as international networks, such as EHDEN and OHDSI. In his role as one of Charité's Chief Research Information Officers (CRIO), Prof. Prasser directs digital initiatives to strengthen the research infrastructure at BIH and Charité. He serves on the MII National Steering Committee and the NUM Research Infrastructure Steering Group (SG FIS) and is a co-spokesperson of the National Research Infrastructure for Personal Health Data (NFDI4Health) as well as the deputy chair of the BIH and Charité Data Use & Access Committee. Moreover, he is a member of the Charité Ethics Committee, focusing on digital health research.

Jacqueline Ruedin Rüschi is a seasoned venture capital investor and influential leader with over 25 years of experience. With a strong financial background, she has managed and overseen more than \$1 billion in client assets. An entrepreneur since 2011, she founded her first company and later established Privilège Ventures in 2021, driven by her passion for entrepreneurship and innovation. A certified board member, she has completed board programs at IMD and SUPSI, enhancing her expertise in guiding high-impact organizations. She serves on multiple boards, leveraging her deep experience to support companies in achieving sustainable growth and innovation.

Dr. Anna Erat MD/PhD Parallel to finishing her PhD in epidemiology and health systems management, Anna studied medicine and conducted research at Harvard and University of Zurich medical schools. Following her post-doctoral research at Harvard, she specialized in internal and sports medicine in Switzerland, and worked with athletes ranging from Swiss national team ice hockey players to formula 1 drivers. Before her role as the first female medical director in the history of Klinik Hirslanden and as head of strategy for preventive medicine in the Hirslanden group, she attended executive courses at Harvard Business School and finished the International Directors Program at INSEAD. Subsequently, she had the opportunity to take up selected roles as an independent board member. Apart from having been a clinical lecturer for the medical faculty at University of Zurich for many years, and mentoring at the ETH as well as being faculty in the University of St. Gallen Executive School, she publishes regularly in both scientific journals and newspapers. Finally, she frequently gives talks on sustainable health, preventive medicine and longevity for the UN and the World Economic Forum among others.

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GOOD TO KNOW



Meeting venue

Technopark Zürich is located at the heart of Zurich West Technoparkstrasse 1, 8005 Zürich
www.technopark.ch

Limited parking space is available at extra cost on site. Further parking space is available in walking distance:

- Parkhaus Pfungstweid (Welti-Furrer-Areal, Pfungstweidstr. 1, 8005 Zürich)
- Parkhaus P-West (Förrlibuckstr. 151, 8005 Zürich)

Internet access

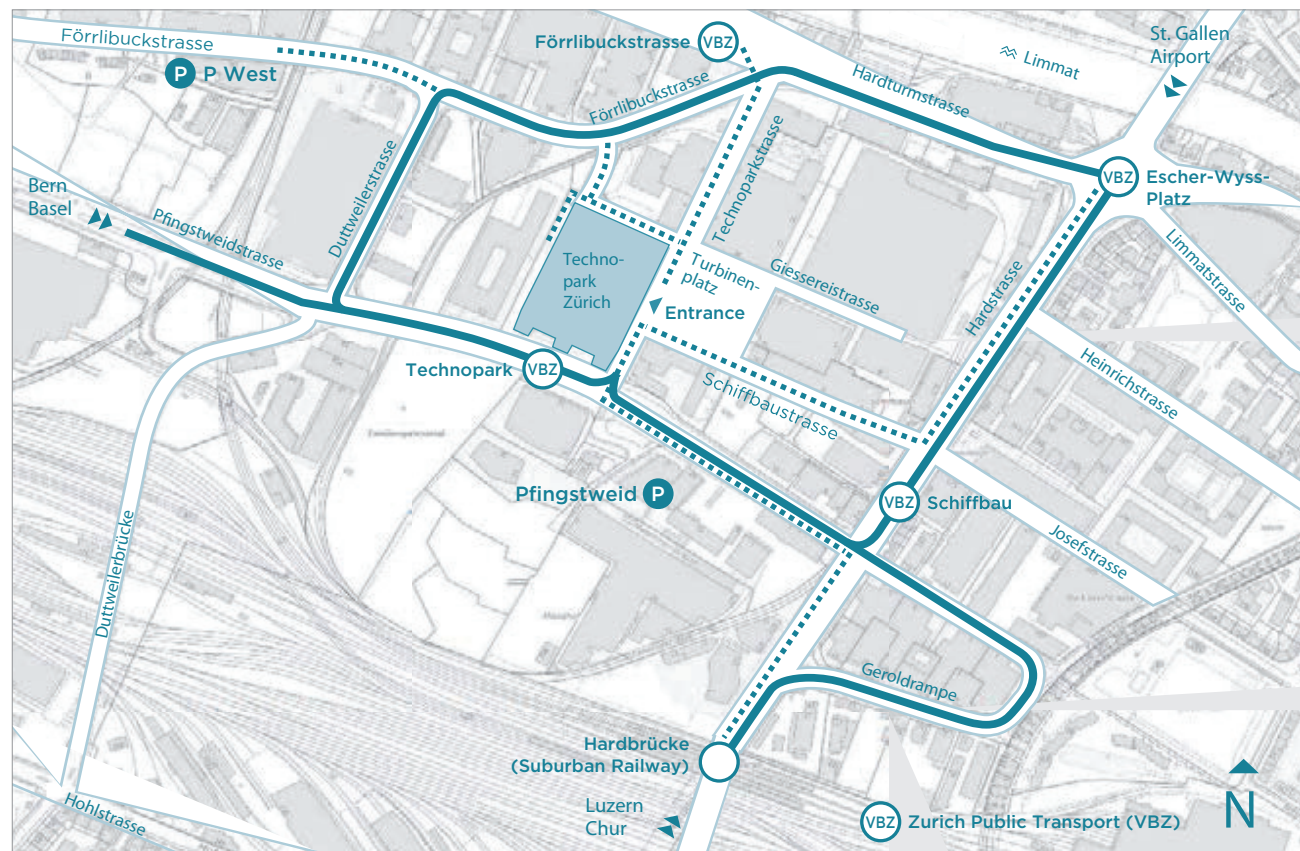
SSID: TP.WIFI
PW: Jan14@4Y

Conference webpage:

<https://lsz-impact2025.b2match.io/>

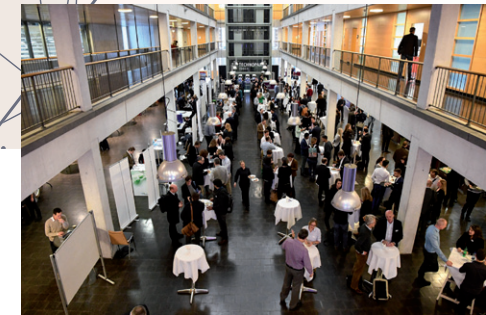


Social media
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ORGANIZERS, PARTNERS, SPONSORS, EXHIBITORS



ORGANIZERS

The Life Science Zurich Business Network is an independent, non-profit association comprising players from universities, industry, economic development, business clusters and technology transfer. It represents the life sciences cluster in the Zurich area and supports and stimulates networking and collaboration between industry, academia, and the public sector in the Zurich area and companies an organisations abroad.



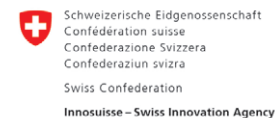
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LSZ IMPACT - PRECISION MEDICINE & AI INNOVATIONS EXHIBITORS



EXHIBITORS

We are pleased to welcome the following exhibitors at Zurich Life Science Conference 2025. All Coffee breaks as well as the Lunch and the Apéro riche will be served in the exhibition area.

KOYO
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Morning Coffee break Sponsor

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