



# LIFE SCIENCE ZÜRICH IMPACT

PRECISION MEDICINE  
& AI INNOVATIONS

**May 26th, 2025**  
**ZÜRICH**

A LIFE SCIENCE ZÜRICH BUSINESS INITIATIVE  
#lszimpact

**INNOVATION  
MADE IN  
ZÜRICH**

# LSZ IMPACT - PRECISION MEDICINE & AI INNOVATIONS

## WELCOME TO ZURICH



### CONTACTS

#### Congress Management

General information about the  
Conference, Registration and Industry  
Exhibition  
SHE Meetings by CBS Congress  
Management GmbH  
info@she-meetings.ch  
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#### Life Science Zurich Business Network

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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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## WELCOME TO ZÜRICH



### 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.

# LSZ IMPACT - PRECISION MEDICINE & AI INNOVATIONS

## MORNING PROGRAM

08:00 – 09:00	<b>Registration &amp; Welcome Coffee</b>
09:00 – 09:15	<b>Welcome &amp; Introduction</b>
	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	<b>The role of artificial intelligence for precision sex- and gender medicine</b>
	Prof. Dr. Carolin Lerchenmüller, Chair for Gender Medicine, University Hospital Zurich
09:40 – 10:05	<b>Healthcare on the move: the shift from central labs to decentralized care</b>
	Moritz Hartmann, Head of Roche Information Solutions, Roche
10:05 – 10:30	<b>From Informatics Research to Real-World Practice: Accelerating Data-Driven Personalized Medicine at Charité and Beyond</b>
	Prof. Dr. Fabian Prasser, Head of Medical Informatics, Charité, Berlin Institute of Health
10:30 – 11:00	<b>Coffee Break</b>
11:00 – 12:30	<b>Parallel Sessions</b> (Details on the next page)
	Medical Devices (Room: Fortran)
	Platforms (Room: Auditorium)
	Precision Medicine (Room: Cobol)
12:30 – 14:00	<b>Lunch Break</b>

# LSZ IMPACT - PRECISION MEDICINE & AI INNOVATIONS

## PARALLEL SESSIONS - MORNING PROGRAM

Parallel Sessions		
11:00 - 12:30 <b>Medical Devices</b> (Room: Fortran)		
Chair	Vincent Irrling, Managing Director, Healthtechpark Zurich-Schlieren	
Speakers	Vincent Irrling, Healthtechpark Zurich-Schlieren	Attractiveness of AI & Precision Medtech for investors
	Philipp Ganz, aiEndoscopic AG	AI in laryngoscopy – bringing the expertise to the place where it is needed the most
	Lucas Donoson, ETH Zurich & Balgrist University Hospital	MenstruAI: A Wearable In-pad Diagnostic for the Detection of Disease Biomarkers in Menstruation Blood
	Misako Yamazaki, UZH	PRIMA genetics solution, for personalised and optimised treatment decision
	Dr. Samuel Wehrli, ZHAW	Strengthening children’s attention in learning situations with the focus smartwatch
	Dr. Dominik Wyser and Bianca Badii, ETH	Optohive – A new wearable brain imaging system for precision medicine
11:00 - 12:30 <b>Platforms</b> (Room: Auditorium)		
Chair	Dr. Carine Poussin, Head AI for Life Sciences, CSEM	
Speakers	Dr. Carine Poussin, CSEM	Revolutionizing Healthcare with AI
	Dr. Susan Mérillat, UZH USZ Precision-Age	LIFEstreams Technology Platform at UZH – An Innovation Platform for Real-World Data and Healthy Longevity
	Prof. Alexandre de Spindler / Prof. Stefan Segerer, ZHAW and Cantonal Hospital Aarau	Conversational AI & XR for Empowering Patients
	Andrej Weideli, AlpineAI AG	Transforming Healthcare with SwissGPT: AI Solutions for a Secure and Efficient Future
	Prof. Monika Reif, ZHAW	Ensuring Trustworthy AI – A Certification Scheme for Assessment and Compliance
	Dr. Julia Maurer, Swiss Personalized Health Network	Recommendations for Assessing Re-Identification Risks in the Reuse of Health Data in compliance with Swiss Legislation
11:00 - 12:30 <b>Precision Medicine</b> (Room: Cobol)		
Chair	PD Dr. Suzana Atanasoski, Head Strategic Projects, University Medicine Zurich, UZH	
Speakers	PD Dr. Suzana Atanasoski, UZH	Building Bridges in Precision Medicine: The UMZH Umbrella Strategy
	Dr. Eva Camarillo, USZ	Single-Cell Insights into Co-Expression Networks Advance Precision Medicine in Melanoma Heterogeneity
	Philip Heesen, UZH	SHAPEHUB: Redefining Precision Medicine for Effective, Safe, and Cost-Efficient Care
	Jonas Meirer, CSEM	Embedding Biological Knowledge into AI: A Path to Robust and Interpretable Precision Medicine
	Tilman Beck, USZ	ICUCockpit: IT infrastructure for the collection of multi-modal, high-resolution patient data and online validation of predictive algorithms in a live data stream
	Dr. med. Paul Stehberger, USZ	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	<b>Diagnostics</b> (Room: Fortran)
14:00 – 15:30	<b>Platforms with focus clinic</b> (Room: Cobol)
14:00 – 15:30	<b>Platforms with focus R&amp;D</b> (Room: Auditorium)
15:30 – 16:00	<b>Coffee Break</b>
16:00 – 16:25	<b>Identifying next generation therapeutics</b>
	Dr. Christian Rommel, Global Head of Research & Development, Bayer Pharmaceuticals
16:25 – 16:50	<b>Cracking the code: what life science investors look for and how to secure the right funding</b>
	Jacqueline Ruedin Rüsch, Founding General Partner, Privilège Ventures SA
16:50 – 17:30	<b>Panel Discussion: From Promise to Practice – What it Takes to Translate AI &amp; Precision Medicine into Real-World Impact?</b>
	<p>Prof. Dr. Carolin Lerchenmüller, Chair for Gender Medicine, University Hospital Zurich</p> <p>Prof. Dr. Fabian Prasser, Head of Medical Informatics, Charité, Berlin Institute of Health</p> <p>Jacqueline Ruedin Rüsch, Founding General Partner, Privilège Ventures SA</p> <p>Dr. Matthew Prime, International Business Leader for Clinical Decision Support &amp; Algorithms, Roche</p> <p>David U. Haerry, Treatment Writer and Conference Reporter, Partner Patvocates</p>
	Moderation: Dr. Anna Erat MD/PhD, Internal medicine, sports medicine
17:30 – 18:00	<b>Outlook and Closing Remarks</b>
	<p>Prof. Dr. Beatrice Beck Schimmer, Vice President Medicine, UZH/UMZH</p> <p>Prof. Dr. Thomas Ott, Director of Institute of Computational Life Sciences, ZHAW</p>
18:00 – 19:00	<b>Apéro Riche</b>

# LSZ IMPACT - PRECISION MEDICINE & AI INNOVATIONS

## PARALLEL SESSIONS - AFTERNOON PROGRAM

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

## 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 Privilege 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](http://www.technopark.ch)

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

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

### Internet access

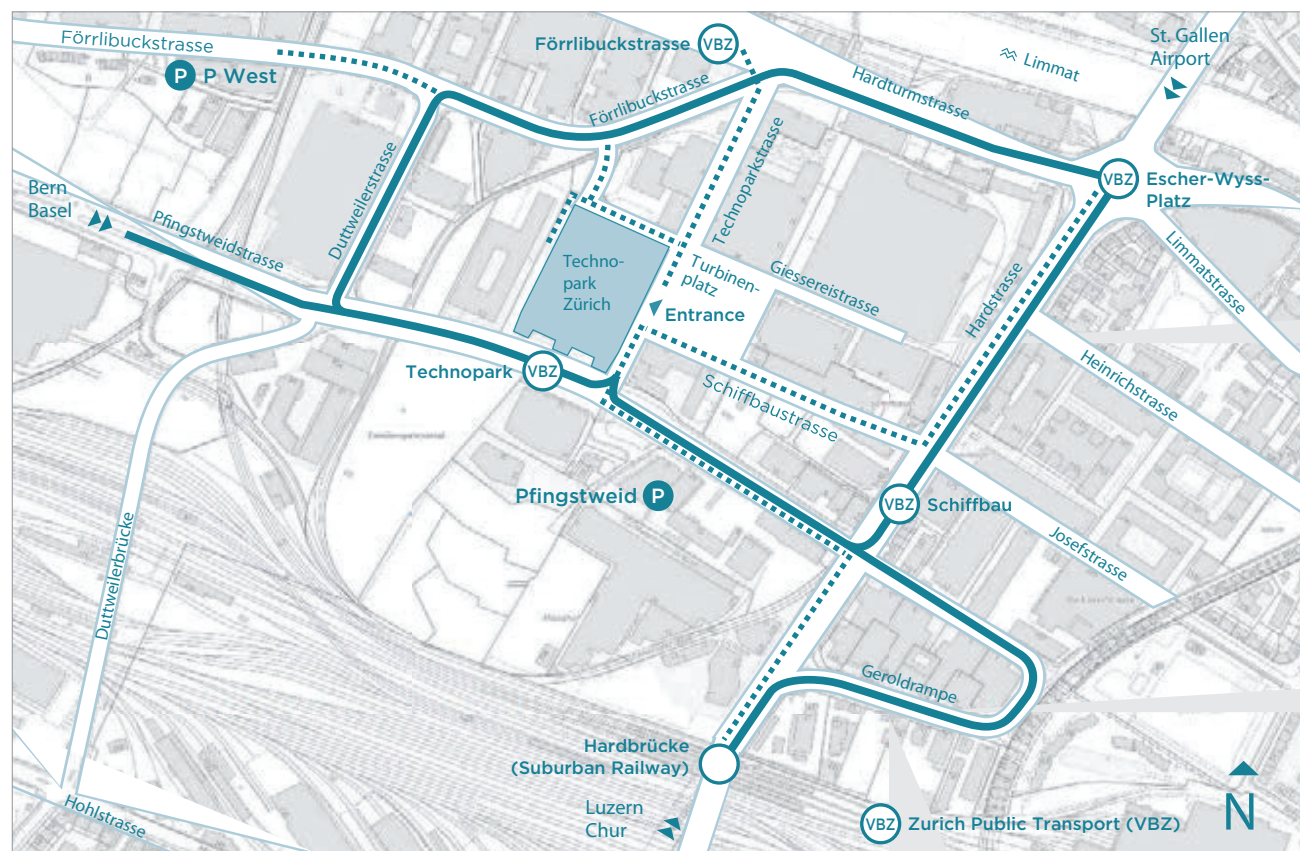
SSID: TP.WIFI  
PW: Jan14@4Y

### Conference webpage:

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



Social media  
#lszimpact



# LSZ IMPACT - PRECISION MEDICINE & AI INNOVATIONS 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**  
ELEVATING  
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Morning Coffee break Sponsor

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center for surgery



**USZ** Universitäts  
Spital Zürich



**Wyss Zurich**  
Translating  
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