

luzerner kantonsspital
LUZERN SURSEE WOLHUSEN

UNIVERSITÄT
LUZERN

23-24 MAY

FRI-SAT

LUCERNE
SWITZERLAND



BASIC
VASCULAR
SCIENCE

Spring Meeting 2025



FUNDAMENTAL

RESEARCH & PIONEERING

SCIENCE



www.bvssm.com



Lucerne Cantonal Hospital, Switzerland



WORD OF WELCOME

We would like to welcome you to Lucerne to the 2025 BVS Spring Meeting!

The now traditional international meeting took place last year in Berlin, where we met for two days of great presentations on cutting-edge research in vascular biology, genetics, state-of-the-art imaging technologies, advances in clinical research and much more.

Both established and emerging researchers shared their research findings and visions with us, we gained new insights during exciting discussions, and the best presentations were honoured with well-deserved awards.

This year, we will continue to focus on basic vascular research in all its aspects and its bench-to-bed translation. Furthermore, insights into the sciences of artificial intelligence, health data, health sciences and health care research and their potential gain in knowledge for basic research will bring us future research perspectives.

True to tradition, the conference remains dedicated to knowledge exchange, which will take place on Friday and Saturday with keynote lectures and talks, and the traditional Friday evening dinner will allow for networking in a relaxed atmosphere.

We hope you will enjoy the conference and your stay in Lucerne.

On behalf of the organising committee,



Prof. Dr. med. Maani Hakimi
Head of Department
Department of Vascular Surgery
LUKS | Lucerne Cantonal Hospital

BASIC VASCULAR SCIENCE

Prof. Dr. med. Thomas Schmitz-Rixen

German Society of Surgery

Dr. Margreet R. de Vries

Leiden University Medical Center

Prof. Janice Tsui, FRCS

Royal Free London

Prof. Dr. med. Maani Hakimi

LUKS | Lucerne Cantonal Hospital

Prof. George Hamilton, FRCS

Royal Free London

Mr. Simon Parvin, FRCS

Former Secretary General, ESVS

Prof. Dr. Paul H.A. Quax

Leiden University Medical Center

Dr. med. Juan Antonio Celi de la Torre

LUKS | Lucerne Cantonal Hospital

EVENT ORGANISERS



Prof. Dr. med. Maani Hakimi

Head of Department

Department of Vascular Surgery
LUKS | Lucerne Cantonal Hospital



Dr. med. Juan Antonio Celi de la Torre

Research Intern

Department of Vascular Surgery
LUKS | Lucerne Cantonal Hospital



Prof. Dr. med. Reto Babst

Vice dean of Faculty of Health
Sciences and Medicine

Medical Director Joint Medical Master
University of Lucerne & University of
Zürich



Prof. Dr. Stefan Boes

Dean

Faculty of Health Sciences
and Medicine, University of Lucerne



SPONSORS

Sponsorship is crucial for ensuring the success and sustainability of our BVS events! We are grateful to the following sponsors for their support, as it is essential for making the event possible. Sponsors provide the necessary funding, resources, and expertise that enable our high-quality sessions, secure renowned speakers, and reach a wider audience. Moreover, sponsors also help foster a partnership between academia and industry, creating valuable networking opportunities for attendees. Without their backing, the present academic event simply wouldn't be feasible.

Medtronic

GOLD SPONSOR

 **PrediSurge**

SPONSOR



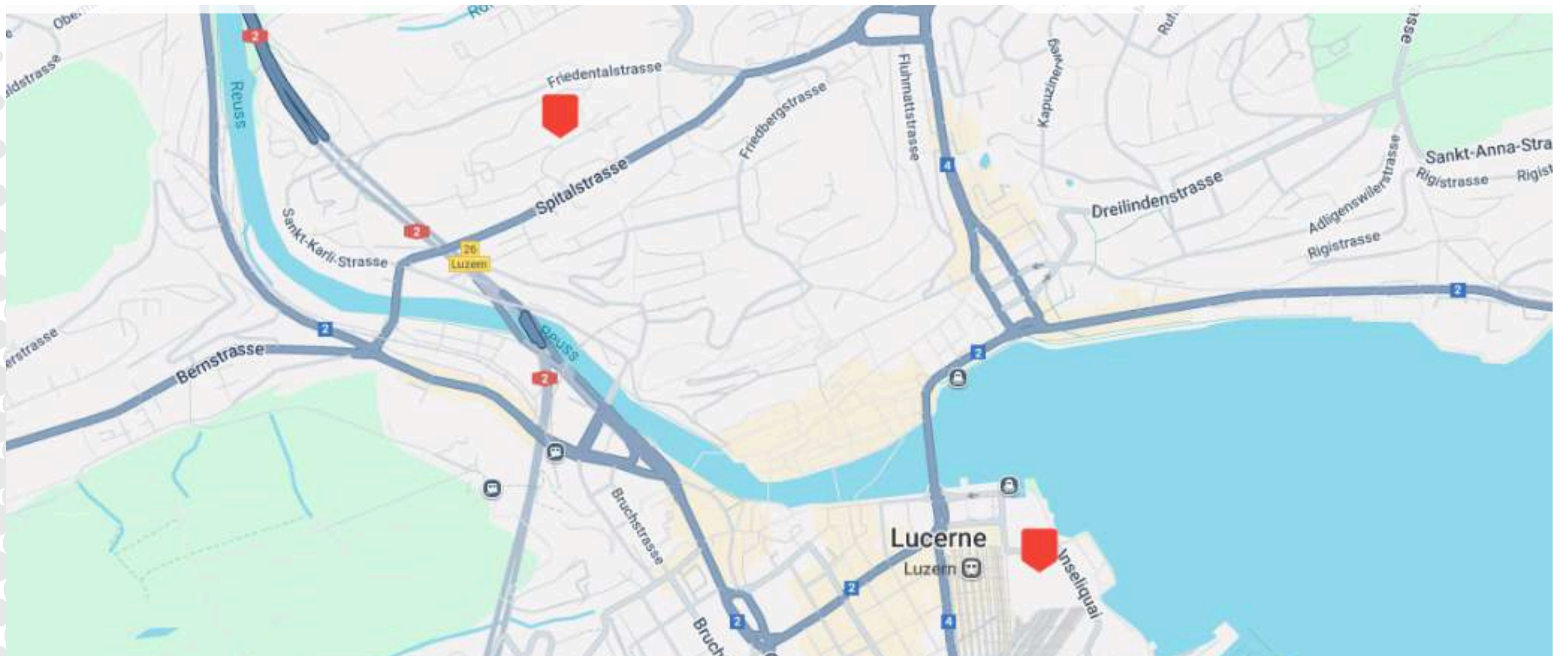
HOSTS



The **Lucerne Cantonal Hospital**, commonly referred to by its acronym LUKS, is situated in the geographically central region of Switzerland and offers an extensive array of diagnostic and therapeutic services that cater to a diverse patient population. As the most expansive medical facility in Central Switzerland, it encompasses a comprehensive network of more than one hundred specialised clinics, departments, and centers, each dedicated to providing high-quality healthcare and advancing medical knowledge through innovative practices and research initiatives.

Through its function as a **University Teaching and Research Hospital**, it also serves as a distinguished institution of higher learning that focuses on both teaching and research within the medical field.

Spitalstrasse, 6004 Luzern

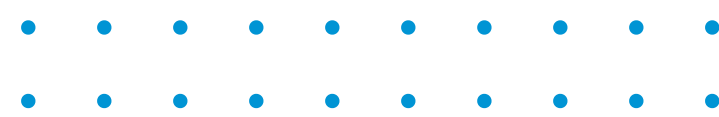


UNIVERSITÄT LUZERN

Established in February 2023, the **Faculty of Health Sciences and Medicine** at the University of Lucerne quickly presented itself as a key player in tackling modern health challenges. The faculty evolved from the Department of Health Sciences and Medicine, created in 2019, drawing on the foundational principles of the earlier Department of Health Sciences and Health Policy.

Partnering for the BVS25' is the **Center for Clinical Research**, an Associated Institute of the University of Lucerne, based at the Cantonal Hospital of Lucerne. The mission of the CCR is to support and develop high-quality clinical research for the LUKS and for the Faculty of Health Sciences and Medicine.

Frohburgstrasse 3, 6002 Luzern



WORKSHOPS

FRI **23 MAY**

IN PARTNERSHIP W/:

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**UNIVERSITÄT
LUZERN**

WORKSHOP 1A: PRECLINICAL ULTRASOUND FOR VASCULAR BIOLOGY RESEARCH - ULTRA-HIGH FREQUENCY (UHF)

Workshop Leader: Dr. Margreet R. de Vries (LUMC)

WORKSHOP 1B: ENDOVASCULAR SURGERY: PROSTHESIS SIZING AND SIMULATION OF PROCEDURE

Workshop Leader: Dr. med. Robert Seelos (LUKS)

Simulators of endovascular procedures offer a safe and controlled environment for learners to practice and hone their skills. Participants can gain hands-on experience in performing interventions, such as catheter placements and stentgraft deployments, all while receiving immediate feedback on their techniques, fostering collaboration among peers. This learning environment enhances communication skills and teamwork, which are essential in the multidisciplinary field of vascular medicine.

WORKSHOP 2: TIPS, TRICKS AND CAVEATS: OBTAINING A GRANT VIA A COMPETITIVE PROCESS

Workshop Leader: Prof. Dr. med. François Curtin (CCR LUKS) & Anita Soltermann (Grants Office UniLU)

Fundraising is essential to support research by funding new concepts, experiments, and academic advancements. Connecting with donors, applying for grants, organizing events, and engaging with the community are all part of the fundraising process. Researchers depend on financial aid to sustain their work and contribute to knowledge growth in various fields.

REGISTRATION

09:30 Registration

WORKSHOPS

10:00 1a: Preclinical Ultrasound for Vascular Biology Research - Ultra-High Frequency (UHF)
 -
 11:30 1b: Endovascular Surgery: Prothesis sizing and simulation of procedure
 12:00 2: Tips, Tricks and Caveats: obtaining a grant via a competitive process

LUNCH 12:45

TRANSLATIONAL VASCULAR RESEARCH & BIOLOGY

Faculty:
 Prof. J. Tsui
 Prof. Dr. T. Schmitz-Rixen

13:45 **Welcome Speech** | Janice Tsui & Maani Hakimi
 15:20 **From Lab to Life: Advancing Tissue-Engineered Vascular Grafts into the Clinic** | Melanie Generali, Zürich
Dietary Strategies for Vascular Health: From Preclinical Evidence to Translation | Florent Allagnat, Lausanne
 Talks + Panel discussion

BREAK 15:50

ANGIOGENESIS & VASCULAR REMODELING

Faculty:
 Prof. F. le Noble
 Prof. M. Mayr

16:00 **Design principles of vascular networks-defining novel targets for pro- and anti angiogenic therapies** | Ferdinand le Noble, Karlsruhe
 17:50 **Cardiovascular Proteomics to Uncover New Disease Mechanisms** | Manuel Mayr, London
 Talks + Panel discussion
Host's speech | Maani Hakimi, Lucerne

DINNER 19:30

BIOENGINEERING, IMAGING & INNOVATIONS

CO-HOST:  **ISACB**
INTERNATIONAL SOCIETY FOR APPLIED CARDIOVASCULAR BIOLOGY

Faculty:
 L. Brewster, MD, PhD
 B. Walpoth, MD, PD, FAHA

09:00 **Vascular Mechanics-A Force to be Reckoned with Clinically** | Luke Brewster, Atlanta
 10:20 tba | Paula Keschenau, Giessen
 Talks + Panel discussion

BREAK 10:50

PIONEERING SCIENCES & FUNDAMENTAL RESEARCH

Faculty:
 Prof. Dr. M. Hakimi
 Dr. M. de Vries

11:00 **No Free Lunch: Requirements and Rewards of Modern Data Use** | Daniel Stekhoven, Zürich
 12:50 **Biological Optimization-what we can learn from fundamental research to improve the next generation of stent grafts** | Job van Helvoirt, Maastricht
 Talks + Panel discussion

CLOSURE 12:50 Awards & Closure Speech

23 MAY

24 MAY



REGISTRATION FEE

The fee includes workshops and session on both days. For senior and junior participants, the fee includes the traditional friday dinner.

A limited quantity of dinner vouchers can be additionally acquired (students, sponsors).

Category	Definition	Fee in CHF, incl. 8,2%VAT
Senior	Clinician scientists, physicians, group leaders	200
Junior	Postdocs, PhDs	100
Students*		50

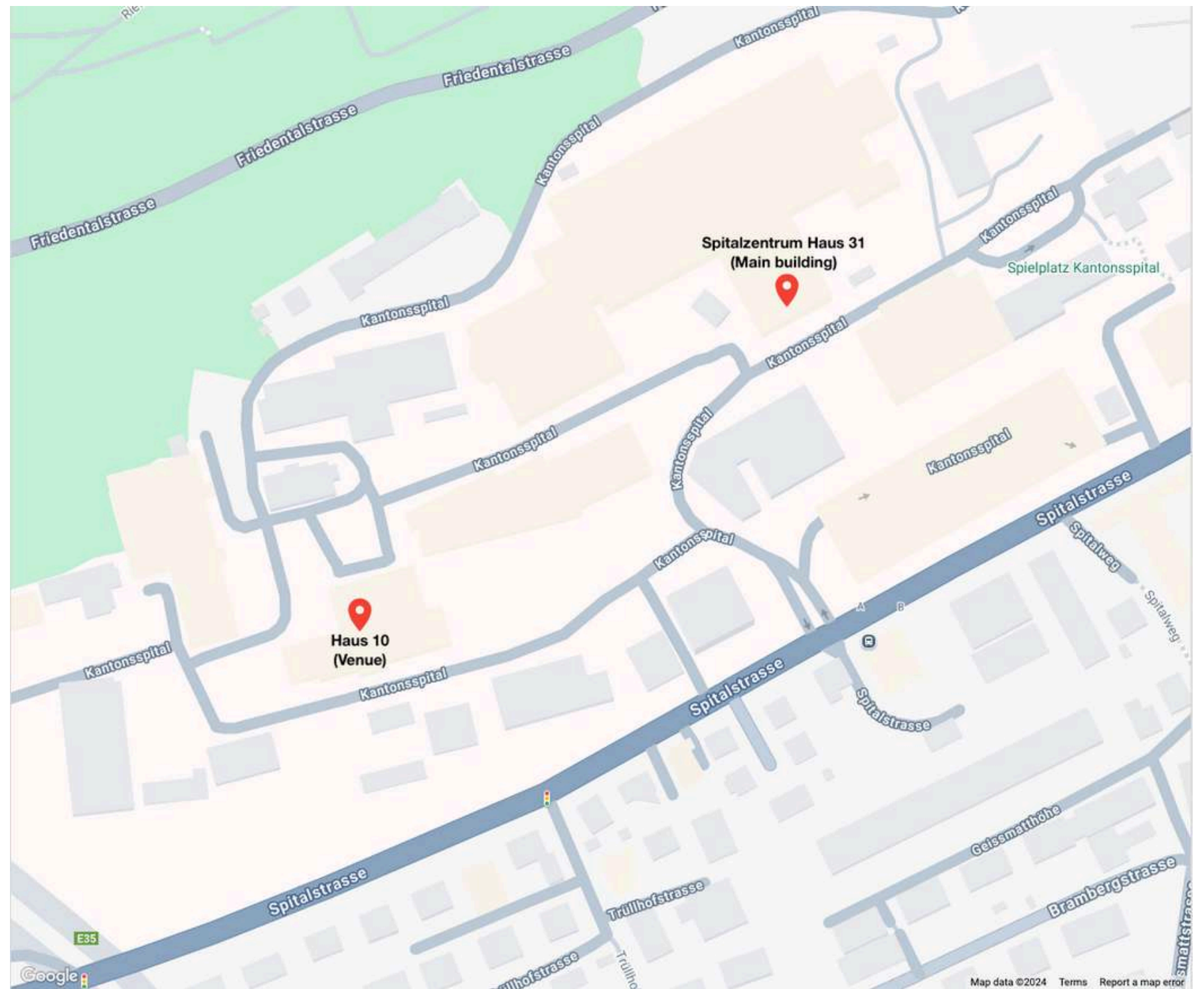
*A proof of faculty enrolment as a student (bachelor, master or equivalent) is to be uploaded together with the registration. Failure to do so results in an after-pricing to the next category (Junior).



VENUE & DINNER

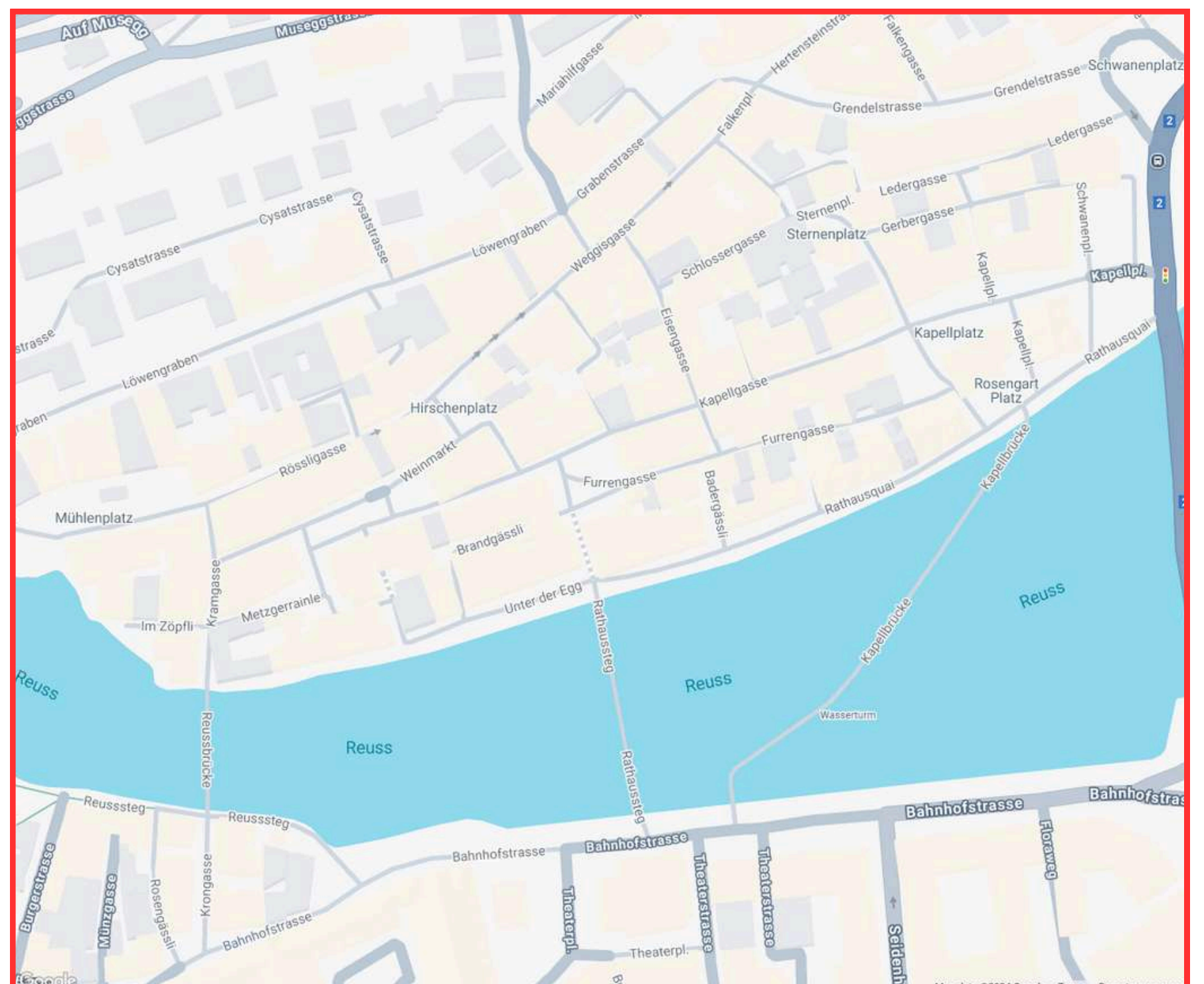
Workshop & Session take place at:

LUKS - HAUS 10
Kantonsspital 10
6004 Luzern

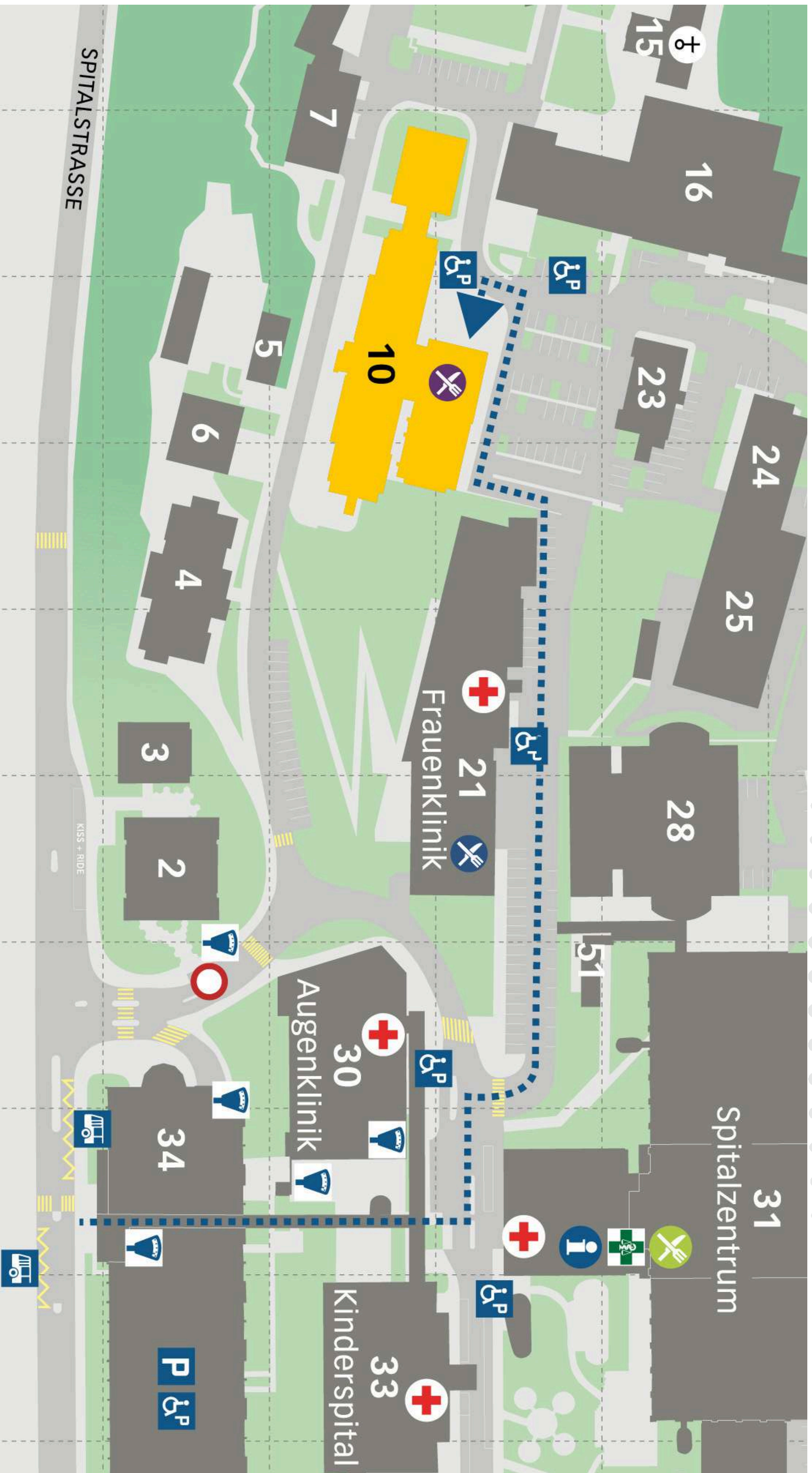




Dinner will take place at:

RESTAURANT NAME
Address
Luzern







SITE PLAN



-  Entrance House 10
-  Feingut restaurants

-  Parking/with walking disabilities
-  Pharmacy

-  Emergency
-  Footpath to House 10

-  Bus lines 9, 19 and 30
-  Information



HOW TO GET THERE

BY PUBLIC TRANSPORT

Bus routes 9, 19 and 30 go directly to the Lucerne Cantonal Hospital (lower right corner on the site plan).

BY CAR

The parking (Parkhaus, Spitalstrasse 34, lower right corner on the site plan) is reserved exclusively for patients and visitors. The number of parking spaces for cars and motorbikes in our multistorey car park is nevertheless limited. We therefore recommend that you use public transport. Taxis may drive directly to the main entrance. Parking spaces for people with walking disabilities are marked accordingly on site.

Pricing:

08.00 to 20.00 (high tariff): CHF 0.80/15 min.

20.00 to 08.00 (low tariff): CHF 0.30/15 min.

The daily maximum is CHF 38.00.

FROM ZURICH INTERNATIONAL AIRPORT

By public transport: By train directly from the airport (e.g. train IR 75, runs every hour) to Lucerne main station. From there, take bus 18 or 19 to the hospital. Total time: approx. 1.5 hours. Pricing: approx. 40 CHF.

By car: Follow Butzenbuelring to A51. Take the A4, E41 and A14 motorways in the direction of Lucerne, exit in the direction of Littau/Emmen-Süd/Entlebuch. From there follow the signs to "Spital" Total time: approx. 1 hour.

INFORMATION

Emergency phone numbers in Switzerland:

INTERNATIONAL EMERGENCIES	112
FIRE	118
POLICE	117
MEDICAL/AMBULANCE	144

Hosting party's phone numbers:

J.A. CELI DE LA TORRE	+41 79 762 54 14
Overall organisation	
M. DI MAURO	+41 76 249 53 60
Technics	



ACKNOWLEDGEMENTS

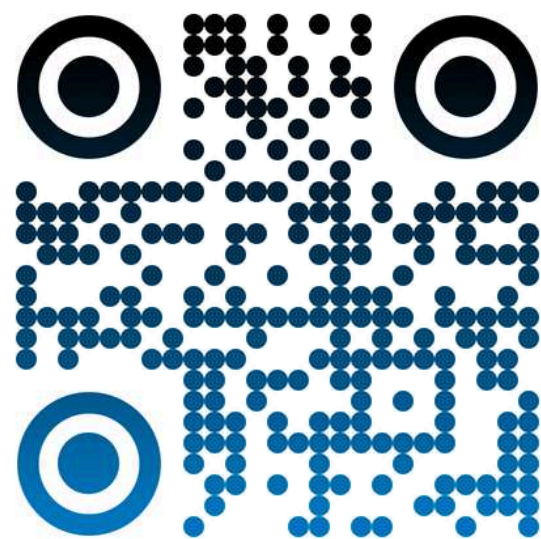
Maani Hakimi and Juan Antonio Celi de la Torre would like to thank the BVS Committee for their trust in the organisation and reception of this year's Spring Meeting.

In particular, the _____



INFOS

Keep updated on the meeting's program, workshops and keynote lectures and follow us for early notifications on upcoming events!



www.bvssm.com



www.linkedin.com/company/basicvascularscience

WIFI

The WiFi is available to you free of charge. To use it, connect to the WiFi 'Public' and then open any website. The Luzerner Kantonsspital login page will be displayed automatically. Follow the instructions. The password will be sent to you by SMS.

