

28th January 2026

RESEARCH SYMPOSIUM HEALTH LUCERNE

PROGRAM

09.00–10.00	Opening Plenary	HS 1
10.00–10.30	Coffee Break	Foyer (Mensa)
10.30–11.30	Parallel Session 1	HS 2, HS 3, HS 5, HS 7, HS 8
11.40–12.20	Parallel Session 2	HS 2, HS 3, HS 5, HS 7, HS 8
12.20–13.30	Lunch Break	Foyer (Mensa)
13.30–14.30	Parallel Session 3	HS 2, HS 3, HS 5, HS 7, HS 8
14.40–15.20	Parallels Session 4	HS 2, HS 3, HS 5, HS 7, HS 8
15.20–15.50	Coffee Break	Foyer (Mensa)
15.50–16.45	Closing Plenary	Room: HS 1

University of Lucerne, Frohburgstrasse 3, 6002 Lucerne



OPENING PLENARY

09.00–10.00, Hörsaal 1

WELCOME AND KEYNOTE

Moderation: Stefan Boes, University of Lucerne

Welcome

Stefan Boes, University of Lucerne

Keynote

Thomas Zeltner, Swiss Red Cross



PARALLEL SESSION 1

10.30–11.30, Room: HS 2, HS 3, HS 5, HS 7, HS 8

1A – ADVANCED PRACTICE NURSING: STRATEGIEN ZUR INTEGRATION

HS 2

Chair: Stefan Boes, UNILU

Nisreen Sidani, UNILU

Implementierung von Advanced Practice Nurses (APNs) in Luzerner Hausarztpraxen: eine qualitative Studie

Franziska Geese, HSLU

Nachhaltige Advanced Practice Nursing Rollenimplementierung in der Schweizer Krebsversorgung – Erkennen und Adressieren von Barrieren

Luzia Vetter, UNILU

Integration von Advanced Practice Nurses in die Anästhesie zur Schliessung von Versorgungslücken – qualitative Studie

1B – ADVANCES IN AI AND CELLULAR ANALYSIS FOR HEALTH APPLICATIONS

HS 3

Chair: Fabian Ille, HSLU

Marc Favrod-Coune, HSLU

Sensitive cell identification in impedance flow cytometry using optimized dielectric buffer properties and low cost microchannels

Nicola Diviani, UNILU

Towards Person-Centred Guidance for AI-Supported Self-Management in Chronic Conditions

Simone Lionetti, HSLU

Clinical Uncertainty Impacts Machine Learning Evaluations

Filippo Parisi, HSLU

Explainable machine learning and effect of activities for predicting atrial fibrillation and ventricular tachycardia from normal sinus rhythm in long-term ECG recordings

1C – PSYCHOSOCIAL HEALTH AND COLLABORATIVE CARE

HS 5

Chair: Suzanne Lischer, HSLU

Karin Stadelmann, HSLU

Soziale Arbeit in der pädiatrischen psychosozialen Versorgung – aktuelle Entwicklungen

Maria Chiara Piani, Swiss Paraplegic Research

Common dyadic coping and emotional well-being: a video study of individuals with SCI and their romantic partners

Idoia Paucar Herrera, HSLU

The Meno Mindset: Reframing Menopause as a Shared Journey with Service Design, CBT, and Collaborative Healthcare Innovation

Anne Maas, UNILU

Information and Support Needs of Childhood, Adolescent, and Young Adult Cancer Survivors (CAYACS) Across Europe: Results from the e-QuoL Project

1D – NEURAL MECHANISMS OF SENSORY PROCESSING AND INJURY

HS 7

Chair: Claudio Perret, UNILU

Seraina Glaus, HSLU

Listening Intention Estimation for Hearing Aids with Natural Behavior Cues

Nicola Brunello, Swiss Paraplegic Research

A virtual leg illusion to study body perception: a pilot fMRI study

Jessica Ugowe, UNILU

Domain-Specific Sleep Disruption in Chronic Spinal Cord Injury and Its Relevance to Cognitive Function

Lorenzo Diana, Swiss Paraplegic Research

Chronic spinal cord injury is associated with morphometric brain changes in functional networks beyond the sensorimotor system

1E – EDUCATION, ENTREPRENEURSHIP, AND INTERPROFESSIONAL PRACTICE

HS 8

Chair: Oliver Kessler, HSLU

Sara Rubinelli, UNILU

The other side of evidence. Ineffective approaches to interprofessional communication in healthcare

Carmen Wernicke von Siebenthal, XUND

Projektarbeit NDS Notfallexpertinnen: Eine Serie von zwölf One Minute Wonder Plakate

Sylvia Manchen Spörri, HSLU

Healthcare Entrepreneurship – Chancen und Hürden innovativer Gründungen im Gesundheits- und Sozialwesen

Vanessa Gut, UNILU

Der Bildungsübergang als Wendepunkt: Zusammenhänge zwischen individuellen Sportverläufen und subjektiver Bewertung im Jugendalter

PARALLEL SESSION 2

11.40–12.20, Room: HS 2, HS 3, HS 5, HS 7, HS 8

2A – MACHINE LEARNING WITH LIMITED DATA IN HEALTH RESEARCH

HS 2

Chair: Adrian Martinez de la Torre, UNILU

Fabian Gröger, UNILU

With Limited Data for Multimodal Alignment, Let the STRUCTURE Guide You

Adrian Martinez de la Torre, UNILU

Discussant

Jerome Sepin, UNILU

Multiple imputation using TabPFN

Wiebe de Vries, Swiss Paraplegic Research

Discussant

2B – UNDERSTANDING MENTAL HEALTH IN CHRONIC CONDITIONS

HS 3

Chair: Cristina Mesa, UNILU

Manuela Valencia, Swiss Paraplegic Research

Exploring sex-and gender-sensitive dynamics for Mental Health in Individuals with Complex and Disabling Conditions

Cristina Mesa, UNILU

Discussant

Johanna Rink, UNILU

Physical Activity and Perceived Stress in Couples Living with Spinal Cord Injury: A Dyadic Perspective

Samuel Lordemus, UNILU

Discussant

2C – UNDERSTANDING HEALTH EQUITY AND CLINICAL DECISIONS

HS 5

Chair: Kathryn Dawson-Townsend, UNILU

Nikola Koschmieder, HSLU

Gesundheitsrelevante Handlungsmöglichkeiten sozioökonomisch benachteiligter Kinder und Jugendlicher

Brigitte Hofstetter Furrer, UNILU

Discussant

Caroline Baltzer, UNILU

Unpacking Clinical Judgment: A Vignette Study on Physician Gender and Medical Decision-Making in Switzerland

Kathryn Dawson-Townsend, UNILU

Discussant

2D – ADVANCES AND COMPARISONS IN ORTHOPEDIC IMPLANT PERFORMANCE

HS 7

Chair: Simone Lionetti, HSLU

Matija Horvat, UNILU

Old versus New Generation Plates in Distal Radius Fractures: Impact on Implant Removal Rates

Claudio Perret, UNILU

Discussant

Daniel Elias, UNILU

Meta-Analysis of Brand-Mixed versus Brand-Unmixed Primary Total Hip Arthroplasty

NN

Discussant

2E – INFORMAL AND DIGITAL HEALTH SUPPORT ACROSS CONDITIONS

HS 8

Chair: Janina Lüscher, UNILU

Manuela Eder, UNILU

Navigating Informal Digital Support for Substance Misuse: A Scoping Review

Suzanne Lischer, HSLU

Discussant

Valeriia Balaeva, UNILU

Information and Support Needs of Support Network Members of Childhood, Adolescent, and Young Adult Cancer Survivors: the e-QuoL Project

Janina Lüscher, UNILU

Discussant

PARALLEL SESSION 3

13.30–14.30, Room: HS 2, HS 3, HS 5, HS 7, HS 8

3A – PSYCHOSOCIAL RISKS AND INNOVATIVE CARE APPROACHES

HS 2

Chair: Sara, Rubinelli, UNILU

Marijana Djurdjevic, UNILU

Predictors of Hospitalization in Palliative Outpatients Receiving Home Care

Peter Francis Raguindin, UNILU

Acute and long-term psychosocial consequences in grandparents when a grandchild is diagnosed with cancer (The GROKKids Project) – A summary of findings

Astrid Rimbach, UNILU

Soziale Isolation und Einsamkeit im höheren Lebensalter: Geschlechter- und kultursensible Perspektiven auf Prävention und Intervention

Sabrina Köchli, HSLU

Clinical Adaption of a Novel Co-developed Music-and Movement based Intervention for People with Parkinson's: Songlines for son's

3B– FROM COMMUNITY NEEDS TO CARE QUALITY

HS 3

Chair: Patrick Beeler, UNILU

Suzanne Lischer, HSLU

Bedarfserhebung für einen konsumfreien, niedrighschwelligen Treffpunkt mit integrierter Sozialberatung in Luzern

Sarah Mantwill, UNILU

Design and Implementation of a Stakeholder Survey on Quality Indicators for Healthcare Quality Monitoring in Switzerland

Vreni Sen, UNILU

Regional Variation in Clinical Outcomes of Hospitalizations related to Ambulatory Care Sensitive Conditions in Switzerland

Veronika Lubert, HSLU

Salutogenese im Kontext von Musiker:innen-Gesundheit

3C– INTEGRATED CARE, FINANCING, AND HEALTH POLICY DECISIONS

HS 5

Chair: David Weisstanner, UNILU

Oliver Kessler, HSLU

Die Grundlagen der Strategieentwicklung und -umsetzung der integrierten Gesundheitsversorgung im Kanton Luzern: Ein wissenschaftlicher Blick in die politische Praxis

Matthias Wächter, HSLU

Einheitliche Finanzierung Ambulant und Stationär (EFAS) - Integration der spitalexternen Pflege

Roxanne Maritz, UNILU

Strengthening Rehabilitation in Switzerland: Evidence-Informed Policy Considerations Based on the 2023 World Health Assembly Resolution

David Weisstanner, UNILU

Hospital Closures and Local Voting Behaviour in Switzerland

3D– PEDIATRICS: EARLY-LIFE HEALTH, MICROBIOME & CARE TECHNOLOGIES

HS 7

Chair: Petra Zimmermann, UNILU

Denise Abendschein, UNILU

NapBiome: Targeting the infant gut microbiome for sleep, neuronal, and behavioral development

Andjela Markovic, UNILU

Altered trajectories of infant sleep behavior following intrauterine antibiotic exposure

David Troxler, UNILU

Large Scale Assessment of Reliability of Point-of-Care Ultrasound Screening Tool for Distal Forearm Fractures in Children

Petra Zimmermann, UNILU

The ABBERANT study: Antibiotic-induced disruption of the maternal and infant microbiome and adverse health outcomes — a prospective cohort study among children born at term

3E – FROM SIMULATION TO PREVENTION: ADVANCES IN HEALTH AND CARE

HS 8

Chair: Rami Sommerstein, UNILU

Aljosa Smolic, HSLU

A VR Platform for the Simulation and Evaluation of Eye Diseases: A Case Study on Scotoma

Katja Grossmann, XUND

Resilienzförderung bei Traumabetroffenen nach einem Unfall im Akutspital - Pflegerische Ansätze und Interventionen, um einer posttraumatischen Belastungsstörung präventiv entgegenzuwirken

Annina Blaas, UNILU

Robotischer Assistent für Pflegefachpersonen - Wie funktioniert die Kommunikation besser?

Benoit Sicre, HSLU

Hygienegerechtes Lüften gegen die Übertragung von Krankheiten

PARALLEL SESSION 4

14.40–15.20, Room: HS 2, HS 3, HS 5, HS 7, HS 8

4A – COGNITIVE AND EMOTIONAL DYNAMICS AFTER SPINAL CORD INJURY

HS 2

Chair: Oliver Grübner, UNILU

Jothini Sritharan, UNILU

Cognitive impairment in individuals with chronic spinal cord injury: a Flanker task-based functional magnetic resonance imaging study

NN

Discussant

Simone Lüthi, UNILU

Relationship Dynamics of Stress and Well-Being in Spinal Cord Injury: The Role of Social Support

Oliver Grübner, UNILU

Discussant

4B – INEQUITIES AND POLICY INTERVENTIONS IN HEALTH CARE

HS 3

Chair: Suzanne Lischer, HSLU

Noel Ackermann, UNILU

Subsidy Expansion in Health Insurance: Evidence From the Canton of Geneva

NN

Discussant

Sarah Maria Esther Jerjen, UNILU

Spatial and Temporal Inequities in AED Accessibility: A National Geospatial Analysis Across Switzerland's Urban–Rural Gradient

David Weisstanner, UNILU

Discussant

4C – FUNCTIONING, DISABILITY, AND HEALTH ACROSS THE LIFESPAN

HS 5

Chair: Monica Gaspar, HSLU

Ana Beatriz de Almeida Moreira, UNILU

Describing functioning of older people living in Switzerland

NN

Discussant

Céline Lenherr, UNILU

Development of an International Classification of Functioning, Disability and Health (ICF) Core Set for Oral Health: Results of an International Consensus Conference

NN

Discussant

4D – DIGITAL INNOVATIONS IN ORTHOPEDIC IMAGING & AFTERCARE

HS 7

Chair: Simone Lionetti, HSLU

Robert Ilesan, UNILU

Pioneering Fully Automated Bony Orbit Segmentation: An In Silico nnU-Net Multicenter Approach

Simone Lionetti, HSLU

Discussant

Carlos Torrez, UNILU

Comparison of digital versus traditional aftercare for uncomplicated distal radius and clavicle fractures

NN

Discussant

4E – ADVANCES IN CLAVICLE FRACTURE FIXATION: PLATING TECHNIQUES COMPARED

HS 8

Chair: Marcel Egli, HSLU

Dominik Brun, UNILU

Low-profile 2.7 mm VA-LCP plates vs 3.5mm LCP plates for midshaft clavicle osteosynthesis: A retrospective comparison

NN

Discussant

Yannic Lecoultré, UNILU

A natural experiment study: Low-profile double plating versus single plating techniques in midshaft clavicle fractures - Interim report

NN

Discussant

CLOSING PLENARY

15.50–16.45, Hörsaal 1

PANEL DISCUSSION*

INTERPROFESSIONELLE ZUSAMMENARBEIT IN DER GESUNDHEITSVERSORUNG

Moderation:

Andreas Balthasar, University of Lucerne

Panelists:

Miriam Chirilli, Hochschule Luzern

Franziska Geese, Pflege (Hochschule Luzern)

Stefan Gysin, University of Lucerne

Andreas Ineichen, Peer/Genesungsbegleiter EX-IN

*The panel discussion will be held in German.



INFORMATION

REGISTRATION AND INFORMATION DESK

The information desk is located in front of Lecture Hall 1 (ground floor). Registration takes place at the same location.

SPONSORSHIP

Hochschule Luzern

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