



DEPARTMENT OF
CLINICAL RESEARCH

Flagship Event

3rd Annual Day of Clinical Research

Day of Clinical Research

Tuesday, 2nd December 2025

Maurice E. Müller Auditorium

Inselspital

11.45 – 17.30

DCR & FELS

Women in Clinical Research Lunch

Wednesday, 3rd December 2025

Flavour Kitchen

sitem-insel

12.00 – 13.30

Poster Display and Junior Research Showcase

Tuesday, 9th December 2025

Felix Frey Auditorium

sitem-Insel

13.30 – 17.30



3rd Annual DCR

Day of Clinical Research



Register on Jotform to
attend on **Dec 2**

Tue, 2nd December 2025

Maurice E. Müller Auditorium, Operationstrakt Ost (OpO) F, Inselspital

About the Event

The Day of Clinical Research highlights vital clinical research aimed at improving patient care and advancing medical science. We provide an inclusive platform to present ongoing and completed patient-centered research, strengthening collaboration across the clinical research community.

Program

11.45 – 12.30	Lunch
12.30 – 12.40	Official opening Prof. Dr. Nadia Mercader Huber <i>Vice Dean of the Faculty of Medicine at the University of Bern</i>
12.40 – 12.50	Update on the DCR Prof. Dr. Eva Segelov <i>Director Department of Clinical Research, University of Bern</i>
12.50 – 13.15	Keynote Talk 1: “Novel Designs for Clinical Research” Prof. Dr. Lars Hemkens <i>Academic Director of Clinical Trials, Department of Clinical Research, University of Bern</i> Chaired by: Prof. Dr. Guido Beldi
13.15 – 14.30	Bern Highlights 3 Presentations from the highest impact clinical trials published by Faculty Researchers in the past year, followed by a Panel discussion Chaired by: Prof. Dr. Andri Rauch
13.15 – 13.25	Prof. Dr. Tobias Reichlin <i>Head of Cardiology University Hospital, Inselspital Bern</i> “Pulsed Field or Cryoballoon Ablation for Paroxysmal Atrial Fibrillation- SINGLE SHOT CHAMPION trial. <i>N Engl J Med</i> 2025;392:1497-507.”
13.30 – 13.40	Prof. Dr. Urs Fischer <i>Head and Chair of Neurology, University Hospital, Inselspital Bern</i> “Endovascular Treatment for Stroke Due to Occlusion of Medium or Distal Vessels (DISTAL Trial). <i>N Engl J Med</i> 392.14 (2025): 1374-1384.” Presented by Prof. Dr. Johannes Kaesmacher, PhD <i>Senior Physician (Oberarzt II), Neuroradiology, Inselspital Bern</i>

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- 13.45 – 13.55 **Prof. Dr. Wolf E. Hautz**
Senior Physician, University Hospital for Emergency Medicine, Inselspital Bern
 “Diagnoses supported by a computerised diagnostic decision support system versus conventional diagnoses in emergency patients (DDX-BRO): a multicentre, multiple-period, doubleblind, cluster-randomised, crossover superiority trial. *Lancet Digit Health* 2025; 7: e136–44”
- 14.00 – 14.30 **Panel discussion: “The Secret of my Success”**
 Chaired by: Prof. Dr. Eva Segelov
- 14.30 – 15.00 Afternoon Tea
- 15.00 – 15.45 **Keynote Talk 2: “Sepsis: The Future is Today”**
 Prof. Dr. Mervyn Singer
Professor of Intensive Care Medicine, Bloomsbury Institute, University College London
 Chaired by: Prof. Dr. Joerg C. Schefold
- 15.45 – 16.45 **Junior Research Highlights**
 3 best Abstracts presented in modified Pecha Kucha style
 Chaired by: Prof. Dr. Annalisa Berzigotti
- Dr. med. Eloïse Magnenat**
Resident at Department of infectious diseases, Infection Prevention and Control, Inselspital Bern
 “Physical inactivity is associated with persistent steatotic liver disease in people with HIV”
- PD Dr. med. Christoph Saner**
Senior doctor at Department of Paediatrics, Inselspital Bern
 “The Bern Obesity in Childhood and Adolescence Biorepository (BOCAB) — Insights on associations between socioeconomic position with severity of obesity and with dyslipidemia”
- Mr. Jonas Keller**
Resident at Department of Cardiology, Inselspital
 “Incidence and burden of atrial fibrillation in cryptogenic stroke patients implanted with a cardiac monitor”
- 16.45 – 17.30 Presentation of prizes for Junior Research Highlights and Apéro



DEPARTMENT OF
CLINICAL RESEARCH

Female
Empowerment in
Life
Sciences



DCR & FELS

Women in Clinical Research Lunch

with Prof. Dr. Mervyn Singer

Wednesday, 3rd December 2025
Flavour Kitchen
Sitem-Insel
12.00 – 13.30

Meet **Prof. Dr. Mervyn Singer**, Keynote Speaker of the Day of Clinical Research, in an exclusive lunch setting.

Hear how he actively **supports and promotes women in clinical research**, gain insights into his perspectives and take the chance to engage in open, inspiring discussions with one of the leading minds in medicine.

*Register on Jotform
to attend on Dec 3*



Register
now to save
your spot!
Places are
limited.





Poster Display and Junior Research Showcase

Tue, 9th December 2025

Felix Frey Auditorium E0.211, Sitem-Insel

Poster Session

Junior and mid-career clinical researchers present ongoing and completed research in a Poster Display in two categories: "Clinical Studies" and "Imaging, Methodology and Technology". Each poster presenter will have 1 minute to summarize their work during the poster walk.

Oral Session

Junior and mid-career researchers will have the opportunity to present their ongoing or completed work in a modified PechaKucha or rapid-fire format.

Programme

13.00 – 13.30

Poster Hanging and Viewing

13.30 – 15.00

Poster Walk

Posters: "Clinical Studies"

Posters: "Imaging, Methodology and Technology"

Chaired by: Prof. Dr. Guido Beldi and Prof. Dr. Dr. Benjamin Ineichen

15.00 – 16.00

Junior Research Showcase

Modified Pecha Kucha presentations of two completed studies, then four ongoing studies

Chaired by: Prof. Dr. Uyen Huynh-Do

Dr. med. Lydia Maderthaner

Senior doctor, Department of Neurology, Inselspital Bern

"Sensor-Based Real-Life Assessment of Functional Movement Disorders (FMD): A Feasibility Study"

Dr. med. Anja Dietze

Resident, Department of Radiation Oncology, Inselspital Bern

"COMPORT: COMpartmentalization in POstoperative RadioTherapy for Head and Neck Squamous Cell Carcinoma – A Phase II Clinical Trial"

Mr. Lucian Ulf Häfele

Clinical Research Associate, Department of Clinical Research (DCR), University of Bern

"The development of MASLD Among survivors of breast or colorectal cancer (EVALUATE)"

Dr. med. Yves Wintsch

Resident, Department of Visceral Surgery and Medicine, Inselspital Bern

“AI-guided postoperative infection surveillance: day-specific lab test recommendations tailored to surgical groups”

Mr. Robert Staeck

PhD Student, Institute of Social and Preventive Medicine (ISPM), University of Bern

“Physician emotional and personal self-disclosure during serious illness conversations: Effects on perceived trust, compassion, professionalism, and comfort”

Ms. Vera Bernhard

Data Scientist, Department of Clinical Research (DCR), University of Bern

“PsyNamic: A Living Systematic Review of Psychedelic Therapy in Psychiatric Disorders Using Large Language Models”

16.00 – 16.20

Break

16.20 – 17.10

Rapid Fire Presentations

9 Presentations, 3 Min each + 2 Min questions

Chaired by: PD Dr. Chris Saner

1. Dr. med. Ryota Kakizaki

Department of Cardiology, Inselspital Bern

“Impact of Achieving Guideline-Endorsed LDL-Cholesterol Levels on Neoatherosclerosis Formation after STEMI: A Secondary Analysis of the CONNECT Randomized Clinical Trial”

2. Dr. Daniëlle Verschoor

Postdoctoral Research Fellow, DCR / Segelov Research Group, University of Bern

“Gender disparities in academic careers: insight from habilitated researchers at the Medical Faculty in Bern”

3. PD Dr. med. Christine Thurnheer

Deputy Chief Physician, Department of Infectious Diseases, Infection Prevention and Control, Inselspital Bern

“Influenza vaccine elicited immune response in immunocompromised patients”

4. Dr. Patrick Bühlmann

Advanced Postdoc, Department for BioMedical Research (DBMR), University of Bern

“Machine learning models to predict hepatocellular carcinoma recurrence after liver transplantation”

5. Dr. Jonathan Wermelinger

Scientific Assistant, Department of Neurosurgery, Inselspital Bern

“The influence of a patient’s mother tongue on parameters of cortico-cortical evoked potentials”

6. Dr. med. Fabio Ryser

Resident, Department of Rheumatology and Immunology, Inselspital Bern

“Dupilumab Treatment Is Associated With Clinical Improvement and a Shift Toward a Health-Associated Nasal Passage Microbiota in Diffuse Type 2 Chronic Rhinosinusitis”

7. Dr. med. Lara Brockhus

Scientific Assistant, Bern Institute for Primary Health Care (BIHAM), University of Bern

“The Effect of a Structured Drug Review on Death and Readmission in Patients with Heart Failure - a substudy of the OPERAM Trial”

8. Ms. Mayra Spizzo

Research Assistant and PhD Candidate, Institute of Information Systems, University of Bern

“ChatGPT vs. Human? Interaction with Assistants to Generate Diagnoses”

9. Ms. Perrine Janiaud, PhD

Senior Clinical Epidemiologist, Department of Clinical Research (DCR), University of Bern

“Colchicine for the secondary prevention of cardiovascular events”

17.10 – 17.45

Presentation of Prizes and Apéro

Prizes

200 CHF each

Best Poster in Clinical Studies

Best Poster in Imaging, methodology and technology

Best Oral Presentation Completed Studies

Best Oral Presentation Ongoing Studies

Best Rapid Fire Presentation

Poster Presenters

Berk Can Acikgoz

PhD candidate at Department of Diagnostic, Interventional and Pediatric Radiology (DIPR), Inselspital Bern

“Hepatic PDFF quantification in patients with chronic liver disease using phase-cycled bSSFP”

Philipp Augsburger

PhD candidate at Department for BioMedical Research (DBMR), University of Bern

“Identifying early factors of unfavorable long-term health outcomes in girls with premature adrenarche”

Dr. Emily Louise Baadsvik

Member at the Chair of Bioimaging at Institute for Biomedical Engineering, ETH Zurich and University of Zurich

“Myelin Bilayer Mapping: A Novel MRI Approach for Quantifying Myelin Macromolecular Content”

Muriel Blatter

Master Thesis student at Bern Institute for Primary Health Care (BIHAM), University of Bern

“Deep Learning-Based Glioma Segmentation with Mueller Polarimetric Imaging: Error Sources and Performance Insights”

Dr. Tobias Blatter

Postdoc researcher at Center for Rehabilitation and Sports Medicine, Inselspital Bern

“Data Mining Reference Intervals by ICD-10 Stratified Differential Distributions”

Johannes Bruss

Department of Cardiology, Inselspital Bern

“NT-proBNP as a Predictor of Atrial Fibrillation Recurrence after Cryoballoon, Radiofrequency and Pulsed-Field Ablation”

Dr. med. Sigrid Breit

Doctor at University Hospital of Psychiatry and Psychotherapy, University of Bern

“The impact of semaglutide compared to bariatric surgery on obesity and mental illness outcome”

Louise Chaboud

PhD candidate at Department of Clinical Research, University of Bern

“Agreement of treatment effects in decentralized trials versus traditional trials: a meta-epidemiological study”

Olga Dmitrichenko

PhD candidate at Department of Neurology, Inselspital Bern

“The quest for the best: manual, atlas- and spatial prior-based delineation of locus coeruleus”

Dr. med. Eliane Dohner

Resident at Department of Visceral Surgery and Medicine, Inselspital Bern

“Correlation of Cyst Volume and Serological Kinetics in Hepatic Cystic Echinococcosis: Insights from Six Decades of Clinical Experience”

Jacqueline Dort

Master Thesis Student at University of Zurich

“Large scale assessment of public assessment reports for drug approval by six major regulatory authorities using LLMs”

Dr. med. Jonas Fischer

Resident at Department of Visceral Surgery and Medicine, Inselspital Bern

“Surgical Safety and Efficiency During an Electronic Health Record System Changeover: A Cohort Study”

Valerie Frischknecht

PhD candidate at Center for Rehabilitation and Sports Medicine, Inselspital Bern

“Physical Activity Monitoring After Inpatient Cardiopulmonary Rehabilitation: Device Preferences and Step Trajectories”

Dr. Marco Gamardella

Fellow at Department of Cardiology, Inselspital Bern

“Cardiac Computed Tomography and Three-dimensional Transesophageal Echocardiography for Morphological Characterization and Device Sizing of the Left Atrial Appendage”

Éléa Gros

PhD candidate at Institute of Tissue Medicine and Pathology, University of Bern

“Building Multimodal Ground Truth: Aligning Histological and Polarimetric Whole Brain Images”

Dr. Hugo Guillen-Ramirez

Advanced Postdoc at Department of Visceral Surgery and Medicine, Inselspital Bern

“Clinically Informed Segmentation of Intraoperative Vital Signs: A Geometric Approach to Surgical Data Science”

Salome Häuselmann

PhD candidate at Department of Neurology, Inselspital Bern

“Microstructural white matter integrity in relation to stress and pain measures in chronic primary pain”

Dr. Alan Haynes

Senior Statistician at Department of Clinical Research (DCR), University of Bern

“Improving Reproducibility in Clinical Research”

Nico Herwegh

PhD candidate at Center for Rehabilitation and Sports Medicine, Inselspital Bern

“Preliminary results from the MuscleHealth Study investigating Parameters of Muscle Health derived from Bio-Impedance and Mechanical Measurements as Indicators of Sarcopenia in Patients with Chronic Disease”

Julien Hirt

Community service worker at Department of Orthopaedic Surgery and Traumatology, Inselspital Bern

“Prevalence and Age Association of Morphological Variants of the Acetabular Lunate Surface”;

“Gluteus Minimus Indentation: A Marker of Hip Instability in Patients With Acetabular Undercoverage and Femoral Torsional Abnormalities”

Arnas Jankauskas

University of Bern and at ETH Zürich

“Impact of Edema and Temperature on Polarimetric Imaging of Brain Tissue”

Flurina Jenal

Clinical Data Manager at Department of Clinical Research (DCR), University of Bern

“REDCap Insights & Key Figures”

Chrysanthi Kouri

PhD candidate at Department of Paediatrics, Inselspital Bern and

at Department for BioMedical Research (DBMR), University of Bern

“Long-Term health outcomes in adults with POR deficiency”

Dr. Tom Küffer

EP Lead Engineer at Department of Cardiology, Inselspital Bern

“Autonomic Effects of Pulsed Field Versus Cryoballoon Ablation: Insights from Continuous Rhythm Monitoring”

Anna Lange

PhD candidate at Institute of Social and Preventive Medicine (ISPM), University of Bern

“Key Stakeholder Perceptions of Medical Students’ Training to Identify and Manage Their Emotions for Future Patient Care: A Qualitative Study”

Dr. med. Katharina Lucas

Resident at Department of Visceral Surgery and Medicine, Inselspital Bern

“AI-derived timelines after surgery: two actionable windows for preventing mortality and infection”

Marine Massy

Research associate at Department of Neurology, Inselspital Bern

“Female sex is associated with higher risk of experiencing a relapse after Fingolimod cessation”

Katrien Moens

PhD candidate at Institute of Social and Preventive Medicine (ISPM), University of Bern

“Clinicians’ use of emotions during palliative care consultations: a social constructivist grounded theory.”

Dr. André Moser

Senior Statistician at Department of Clinical Research (DCR), University of Bern

“Who’s afraid of ordering?! A plea for using ordered clinical endpoints in planning clinical trials”

Dr. med. Henning Nilius

Resident at Department of Clinical Chemistry, Inselspital, Switzerland

“Could the definition of “healthy” be the missing building block for precision medicine? First results from the laboratory reference cohort at Inselspital”

Dr. Eva Pedersen

Advanced Postdoctoral Research Fellow at Department of Clinical Research (DCR), University of Bern

“Gender-inequalities and experiences of academic career paths at the Faculty of Medicine, University of Bern.”;

“Professional Perspective on the Importance of Advance Care Planning: A Single-Oncology Center Study”

Rooholla Poursoleymani

PhD candidate at ARTORG Center for Biomedical Engineering Research, University of Bern

“Long-Term Risk Prediction of Type 2 Diabetes Using Early-Life and Genetic Data: A Machine Learning Approach in the Young Finns Study”

Dr. Omar Rodríguez Núñez

Postdoc researcher at Department of Neurosurgery, Inselspital Bern

“Feasibility study for in-vivo tissue classification during neurosurgery using imaging Mueller polarimetry”

Jessica Roos

Resident at Department of Neurology, Inselspital Bern

“Climate-related environmental factors and the impact on autoimmune inflammatory disorders of the central nervous system: a systematic review and meta-analysis”

Dr. med. Martin Scoglio

Resident at Department of Nephrology and Hypertension, Inselspital Bern

“Indapamide and Chlorthalidone to Reduce Urine Supersaturation for Secondary Prevention of Kidney Stones: a Randomized, Double-blind, Crossover Trial (INDAPACHLOR Trial)”

Dr. med. Bettina Serrallach

Department of Diagnostic and Interventional Neuroradiology, Inselspital Bern

“Impact of Time Delay Between Symptom Onset and Presentation on Brain MRI Findings and Lumbar Infusion Test Parameters in Spontaneous Intracranial Hypotension”

Xiao Shang

PhD candidate at Department of Ophthalmology, Inselspital Bern

“Lamina Cribrosa Morphology Change and the Rates of Peripapillary Retinal Nerve Fiber Layer Thinning in Glaucomatous Eyes after Trabeculectomy”

Anne Smit

PhD candidate at Department for BioMedical Research (DBMR), University of Bern

“Steroid profile mapping in the treatment control of 21-hydroxylase deficiency patients”

Theresa Storz

Department of Cardiology, Inselspital Bern

“Comparison of general anesthesia and deep sedation for complex atrial ablation procedures using a lattice-tip catheter with monopolar pulsed field and radiofrequency ablation”

Matteo Tagliabue

PhD candidate at Department of Diagnostic, Interventional and Pediatric Radiology (DIPR), Inselspital Bern

“Free-Breathing Quantitative Liver Mapping Using Fat-Suppressed 3D Radial Phase-Cycled bSSFP”

Maja Tarek

MD Student at Department of Clinical Research (DCR), University of Bern

“Systematic review of gender distribution throughout career path in academia in Europe”

Laura Winiger

Research Fellow at Department of Diabetes, Endocrinology, Nutritional Medicine and Metabolism, Inselspital Bern

“Brain Age in Adult Patients with Early-Treated Phenylketonuria”