DCR

Day of Clinical Research & Week of Clinical Research Seminars

Monday to Friday 4–8 December 2023
Welcome

A very warm welcome to the Day and Seminar Week of Clinical Research 2023, run by the Department of Clinical Research, Faculty of Medicine and Inselspital and University Hospitals.

We hope to provide an exciting program featuring a broad range of clinical research being undertaken across the campuses. From the „Bern Highlights“ featuring some of the very best clinical research by senior clinicians, to the various sessions promoting the studies of more junior researchers, this is an opportunity to listen, discuss and support clinical research.

Thank you to our diligent organising committee, to all our presenters, to the admin team at DCR and to the Faculty and Hospitals for their support. This annual event is tagged to be the flagship for clinical research in the Bern region, complementing the many activities and programs being run by DCR.

Please enjoy!

Prof Eva Segelov
Director Department of Clinical Research, University of Bern and University Cancer Centre, Inselspital.

December 1st, 2023
Organising Committee

Prof Dr Claudio Bassetti
Dean of the Faculty of Medicine, University of Bern
Clinic Director and Chief Physician Neurology Clinic
Inselspital

Prof Dr Thomas Geiser
Director Direktion Lehre und Forschung (DLF), Inselgruppe
Director and Chief Physician Pneumology
Head of Lung Cancer Centre
Inselspital

PD Dr Sven Trelle
Director CTU Bern
Department of Clinical Research
University of Bern

Prof Dr Annalisa Berzigotti
Clinic Director and Chief Physician Hepatology
Inselspital

Prof Dr Aristomenis Exadaktylos
Director and Chief Physician
Department of Emergency Medicine
Inselspital

Prof Dr Uyen Huynh-Do
Head Physician
University Clinic for Nephrology and Hypertension
Inselspital

Prof Dr Stephan Windecker
Clinic Director and Head Physician
University Clinic for Cardiology
Inselspital

Prof Dr Daniel Surbek
Managing Co-Clinic Director and
Head Physician Obstetrics and Foeto-Maternal Medicine
Inselspital

Prof Dr Guido Beldi
Head Physician Visceral Surgery
Inselspital

PD Dr Carole Aubert
Head Physician
University Clinic for General Internal Medicine
Inselspital
Speakers

Prof Dr Roxana Mehran
Professor of Medicine and Director of Interventional Cardiovascular Research and Clinical Trials, Mount Sinai School of Medicine, NY. Co-founder of the «Women as One» initiative.

Roxana Mehran is internationally recognized for her work as a clinical trial specialist with complex data analyses and outcomes research within the field of interventional cardiology and for her experience and expertise in working with regulatory agencies to conduct clinical trials.

Hot Topic: Female Leadership in Clinical Trials

Prof Dr Marwan Sabbagh
Professor of Neurology, Alzheimer’s and Memory Disorders Division, Barrow Neurological Institute, AZ

Marwan Sabbagh is a leading investigator of many prominent national Alzheimer’s prevention and treatment clinical trials. He serves on the editorial boards of the Journal of Alzheimer’s Disease and Alzheimer’s and Dementia: Translational Research & Clinical Interventions.

Keynote Lecture: Making progress in Alzheimer’s through RCTs

Prof Dr Henri Bounameaux
President Swiss Academy of Medical Science (SAMS)

After a long career as clinician-scientist and having led the Division of angiology and hemostasis of the University Hospitals of Geneva for more than 20 years and following an 8-year term as Dean of the Faculty of medicine at the University of Geneva and Director of Education and Research at the University Hospitals, Henri Bounameaux serves currently as the president of the Swiss Academy of Medical Science.

Lecture: Supporting clinical research: From the White Paper to the national coordination platform

Panel Members

Victoria Sarraf
Managing Director Swiss Clinical Trial Organisation (SCTO)

Prof Dr Matthias Egger
President of the National Research Council of the SNSF
Professor of epidemiology and Public Health, University of Bern
Professor of Clinical Epidemiology, University of Bristol, UK

Steven Bourke
Founder & CEO of PersonalPulse

PD Dr Martin Verra
Director of the Institute for Physiotherapy, Inselspital

Bern Highlights Speakers

Prof Dr Daniel Fuster
University Clinic for Nephrology and Hypertension, Inselspital

Hydrochlorothiazide and Prevention of Kidney-Stone Recurrence

PD Dr Thomas Meinel
University Clinic for Neurology, Inselspital

Intravenous Thrombolysis in Patients with Ischemic Stroke and Recent Ingestion of Direct Oral Anticoagulants

Prof Dr Thomas Pilgrim
University Clinic for Cardiology, Inselspital

Long-term outcomes with biodegradable polymer sirolimus-eluting stents versus durable polymer everolimus-eluting stents in ST-segment elevation myocardial infarction: 5-year follow-up of the biostemi randomized trial
Program
DCR Day of Clinical Research

Thursday Dec 7th, 2023 12.00 – 7.15 pm
Langhansauditorium, Institute of Tissue Medicine and Pathology

12.00 – 12.45 | Lunch & registration | Posters on display

12.45 – 1 pm | Official opening | Prof Christian Leumann, Rector University of Bern

1 – 1.15 pm | Welcome from the Dean | Prof Claudio Bassetti

1.15 – 1.30 pm | Update on DCR | Prof Eva Segelov

1.30 – 2.15 pm | Keynote: Making progress in Alzheimer’s through RCTs
Prof Marwan Sabbagh | Chair: Prof Claudio Bassetti

2.15 – 2.45 pm | Afternoon Tea & Poster Walk | Prof Thomas Geiser

2.45 – 3.45 pm | Bern Highligts session | Prof Guido Beldi

Speakers:
Prof Dr Daniel Fuster
Hydrochlorothiazide and Prevention of Kidney-Stone Recurrence NEJM

PD Dr Thomas Meinel
Intravenous Thrombolysis in Patients with Ischemic Stroke and Recent Ingestion of Direct Oral Anticoagulants

Prof Dr Thomas Pilgrim
Long-term outcomes with biodegradable polymer sirolimus-eluting stents versus durable polymer everolimus-eluting stents in ST-segment elevation myocardial infarction: 5-year follow-up of the biostemi randomized trial

3.45 – 4.15 pm | Best of Junior Research
Chairs: Prof Uyen Huynh-Do / PD Dr Carole Aubert

Dr med Jens Maurohofer (presented by Salik Iqbal),
University Clinic of Cardiology, Inselspital
Pulsed-field vs. Cryoballoon vs. Radiofrequency ablation: a propensity score matched comparison of one-year outcomes after pulmonary vein isolation in patients with paroxysmal atrial fibrillation

Dr med Diana Höhn
University Clinic for Gynaecology, Inselspital
Bladder function in patients undergoing surgery for deep infiltrating endometriosis

Dr med Yuly Paulin Mendoza Jaimes
Department of Visceral Surgery and Medicine, Hepatology, Inselspital
Metabolic phenotyping of patients with Advanced Chronic Liver Disease for better characterization of Cirrhosis Regression

Dr med Francois Jardot
Department of Intensive Care, Emergency Medicine and Anaesthesiology
Intraoperative intravascular effect of hyper-oncotic albumin, iso-oncotic albumin and Ringer lactate during hemorrhage in cystectomy. A single center randomized controlled trial.

4.15 – 5 pm | “Hot Topic”: Female Leadership in Clinical Trials
Prof Dr Roxana Mehran | Chair: Prof Dr Annett Kuhn

5 – 5.30 pm | Supporting clinical research: From the White Paper to the national coordination platform
Prof Dr Henri Bounameaux | Chair: Prof Dr Annalisa Berzigotti

5.30 – 6.15 pm | Panel discussion: Challenges and priorities for clinical trials in Switzerland | Chair: Prof Stephan Windecker
Victoria Sarraf Managing Director, Swiss Clinical Trial Organisation
Prof Dr Matthias Egger President, National Research Council of the SNSF
Steven Bourke Founder & CEO of PersonalPulse
PD Dr Martin Verra Director of the Institute for Physiotherapy
Prof Dr Marwan Sabbagh Barrow Neurological Institute
Prof Dr Roxana Mehran Mount Sinai School of Medicine
Prof Dr Henri Bounameaux President, Swiss Academy of Medical Science
Dr Michael Larbig CSL Behring

6.15 pm | Apéro & Prize Presentation | Chair: Dr med h.c. Uwe E. Jocham
President of the Management Board of Insel Gruppe AG
Prizes

Junior Research Speakers

Among the chosen junior research speakers for the DCR Day of Clinical Research, the following prizes are awarded, based on their Pecha Kucha presentations:

1. CHF 700
2. CHF 500
3. CHF 300
4. CHF 300

Prizes of CHF 500 each will be awarded for posters in the following categories:

- Best Investigator Initiated Clinical Trial
- Best Trial in Progress
- Best poster by a medical student
- Best poster by a PhD candidate
- Best poster by a Master’s candidate
- Best Multidisciplinary Research
- Best visual presentation

Presenters (by Surname)

Abdur Rahman, Lubnaa
ARTORG
Comparison Between an Automated Nutritional Assessment Tool (goFOODTM) For Supporting Dietitians And 24-Hour Recall Method of Dietary Assessment: A Feasibility Study

Aebi, Philipp
BIHAM/KAIM
Tolerability of statin-based managements of patients with a history of statin-associated muscle symptoms: a systematic review and meta-analysis

Alvarez Abut, Pablo
Neurosurgery
The value of motor evoked potentials in detecting mechanical versus vascular injury during resection of supratentorial mass lesions

Amylidi-Mohr, Sofia
Obstetrics and Gynecology
Diabetes in Pregnancy Project und Mobile Health in Gestational Diabetes: An open label randomized controlled monocentric trial on the utility of real time continuous glucose monitoring in the care of gestational diabetes versus standard care DiPGlMo Project

Andonie, Raphael
ARTORG
Identification of Traumatic Events during Cochlear Implantation

Aponte Ribero, Valerie
BIHAM
Diabetes and risk of cardiovascular disease and all-cause mortality among older adults: a pooled analysis of individual participant data of five prospective studies

Arteaga, Noah Free
Visceral Surgery
Sex Disparities in Outcomes following Liver Transplantation for Hepatocellular Carcinoma

Ballif, Marie
Infectiology
Booster-free antiretroviral therapy for persons living with HIV and multidrug resistance: A multicentre multi-stage randomized trial (“B-Free”)

Bardoczi, Julia Bianca
KAIM, BIHAM
Subclinical Hypothyroidism and risk of heart failure – An individual participant data analysis from 15 prospective cohorts

Baumann, Barbara
DLF
DLF Support Along the Clinical Trial Process
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<tr>
<td>Begré, Lorin</td>
<td>Infectiology</td>
<td>Kinetics of HBV markers of functional cure among persons with HIV and hepatitis B experiencing HBsAg loss</td>
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<tr>
<td>Beilstein, Christian M.</td>
<td>Anaesthesiology</td>
<td>Effect of clonidine on haemodynamics during electroconvulsive therapy assessed by continuous, non-invasive blood pressure measurement</td>
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<td>Bini, Tommaso</td>
<td>Cardiology</td>
<td>Pericardial effusion after left atrial appendage Closure: Timing, Predictors and Clinical Impact</td>
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<td>Birch, Benjamin</td>
<td>ARTORG</td>
<td>Objective Evaluation of Intracochlear Electrocochleography: Repeatability, Thresholds, and Tonotopic Patterns</td>
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<td>Blatter, Tobias</td>
<td>Clinical Chemistry</td>
<td>BioRef: A national infrastructure for generating precise reference intervals for diagnostic medicine</td>
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<td>Bolt, Lucy</td>
<td>BIH/KAIM</td>
<td>Cardiovascular Outcomes in Adults with Low-Density Lipoprotein Cholesterol Levels of ≥4.9mmol/L: 15-Year Follow-up of the CoLausPsyCoLaus Study</td>
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<td>Brandenberger, Julia</td>
<td>Emergency Paediatrics</td>
<td>Covid-19 vaccine uptake in immigrant, refugee and non-immigrant children and adolescents in Ontario – a population-based cohort study</td>
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<td>Brill, Esther</td>
<td>UPD</td>
<td>Can serious game-based cognitive training attenuate subjective cognitive decline related to Alzheimer’s Disease?</td>
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<td>Brönnimann, Paulina</td>
<td>Tissue Bank Bern</td>
<td>Tissue Bank Bern: reinforcing translational tissue medicine research</td>
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<td>Brosius Lutz, Amanda</td>
<td>Obstetrics and Gynecology</td>
<td>Defining astrocyte reactivity in perinatal brain injury and elucidating its potential as a therapeutic target and diagnostic tool</td>
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<td>Carzaniga, Francesco</td>
<td>Sleep-Wake-Epilepsy Center</td>
<td>Novel neural network architecture for seizure detection</td>
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<td>Castelli Matilde</td>
<td>Faculty of Medicine</td>
<td>An AI-pipeline to Detect Sentiment from Swiss-German Speech</td>
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<td>Churakova, Olga</td>
<td>Open Science – Info</td>
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<td>Cornaz Buros, Sandrine</td>
<td>Neuropaediatrics</td>
<td>Breast milk stem cells as a new source for stem cell therapy in neonatal brain injury</td>
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<td>Dack, Ethan</td>
<td>ARTORG</td>
<td>An Empirical Analysis for Zero-Shot Multi-Label Classification on COVID-19 CT Scans and Uncurated Reports</td>
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<td>Di Tanna, Gian Luca</td>
<td>DCR</td>
<td>Bayesian meta-analysis for Living Systematic Reviews and Prospective Meta-analyses</td>
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<td>Filchenko Irina</td>
<td>Neurology</td>
<td>Favorable profile of NREM oscillations is associated with evening preference and high circadian rhythmicity</td>
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<td>Galuszka, Oskar</td>
<td>Cardiology</td>
<td>Durability of CLOSE-guided pulmonary vein isolation and mechanisms of arrhythmia recurrence in patients with persistent atrial fibrillation: results from a prospective remapping study</td>
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<td>Giger, Roland</td>
<td>Head and Neck Surgery</td>
<td>Patient-oriented, individualized follow-up in head and neck cancer (DeIntensiF randomized trial NCT05388136)</td>
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<td>Gmünder, Myriam</td>
<td>Faculty of Medicine</td>
<td>The satisfaction of caregivers with limited language proficiency with the quality of pediatric emergency care related to the use of professional interpreter services – a mixed methods study</td>
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<td>Gnarra, Oriella</td>
<td>Neurology</td>
<td>Sleep stage classification with a network of wearable and contactless devices</td>
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<td>Gredig, Selina</td>
<td>ISPM</td>
<td>Barriers and facilitators for participation in children with cerebral palsy, their siblings, and families in Switzerland – Parti-CP study protocol</td>
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<td>Gretener, Charlene P.</td>
<td>Visceral Surgery</td>
<td>Sex disparities in infections after solid organ transplantation – A narrative literature review</td>
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<td>Gschaidmeier, Alisa</td>
<td>Neuropediatrics</td>
<td>Effects and mechanisms of Sensory Afferent Electrical Stimulation (SAES) for improving hand function in children with unilateral spastic Cerebral Palsy – Study Protocol</td>
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<td>Haupt, Clemens</td>
<td>Pediatrics</td>
<td>Early Life Intervention in Pediatrics Supported by E-health</td>
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**Häuselmann, Salome**  
*Neurology*  
Biopsychosocial factors and stress-related mechanisms in chronic primary pain

**Huwiler, Valentina**  
presented by Jäger, Timo  
*UDEM*  
The FibreGum study – Changing the course of obesity in children and adolescents

**Jardot, Francois**  
*Anesthesia*  
Intraoperative intravascular effect of hyper-oncotic albumin, iso-oncotic albumin and Ringer lactate during hemorrhage in cystectomy. A single-center randomized controlled trial.

**Jibira, Yakubu**  
*DBMR*  
Curcumin nanoformulation improves in-vitro suppression of steroidogenic Cytochrome P450s in Dehydroepiandrosterone synthesis.

**Kakizaki, Ryota**  
*Cardiology*  
The Serial Change in the Frequency of Plaque Rupture in Non-culprit Vessels in Patients with Myocardial Infarction

**Karrer, Tanya**  
*Library*  
Strengthening the Medical Evidence

**Kissling, Cédric**  
*Neurosurgery*  
A space-expanding flap in decompressive hemicraniectomy for stroke – a randomized controlled multicenter phase 3 trial

**Lang, Anna**  
*ISPM*  
Physicians’ emotions and emotion skills training during medical education: a systematic scoping review protocol

**Maurhofer, Jens**  
presented by Iqbal Salik  
*Cardiology*  
Pulsed-field ablation for repeat procedure after failed prior thermal ablation for atrial fibrillation

**Morr, Ann-Katrin**  
*Obstetrics and Gynecology*  
Placental biomarkers in post term pregnancy (Placema-Study)

**Müller, Eliane**  
*Neurology*  
Real-time fMRI neurofeedback in functional neurological disorder: A proof-of-concept study

**Münger, Robin**  
*Neuropediatrics*  
High Dose Steroids in Children with Stroke and Unilateral Focal Arteriopathy: A Multicentre Randomized Controlled Trial PASTA (Paediatric Arteriopathy Steroid Aspirin) trial

**Muri, Raphaela**  
*UDEM*  
A 4-week high phenylalanine exposure decreases cortical thickness in adults with phenylketonuria

**Naamneh Elzenaty, Rawda**  
*DBMR*  
Inhibin α (INHA) and steroidogenic factor 1 (NR5A1/SF-1) collaborate in regulating human sex development.

**Oesch, Gabriela**  
*Neuropaediatrics*  
Renewal of the Swiss Neuropediatric Stroke Registry (SNPSR): a pioneering pediatric stroke cohort

**Reinhardt, Philipp**  
*Radio-Oncology*  
Single vs. multiple fraction stereotactic radiosurgery for medium- sized brain metastases (4-14 cm³): a single center retrospective analysis

**Riebensahm, Carlotta**  
*Infectiology*  
External validation of serological scores for the detection of liver steatosis among people with HIV

**Ryser, Fabio**  
*Rheumatology and Immunology*  
Molecular endotyping and clinical translation of biomarker signatures in chronic rhinosinusitis and autoimmunity  
Dupilumab-induced eosinophilia in patients with diffuse type 2 chronic rhinosinusitis

**Saner, Christoph**  
*Pediatric Endocrinology, Diabetology and Metabolism*  
Strength of Protein Leverage during Development from Infancy to Adolescence

**Schmidt, Manuel**  
*Ophthalmology*  
Phenotypic variability in Swiss Patients Harbouring the Pathogenic c.422A>G p.(Tyr141Cys) PRPH2 Variant (provisorisch)

**Schneider, Sophie**  
*Obstetrics and Gynecology*  
Decreased blood product administration in postpartum hemorrhage after implementation of guidelines including recommendations on patient blood management: interdisciplinary retrospective study.

**Shiri Lord, Isaac**  
*Cardiology*  
Machine Learning-Based Transthyretin Amyloid Cardiomyopathy Detection in Patients with Severe Aortic Stenosis Using 4D-CT Images  
Artificial Intelligence-Based Major Adverse Cardiovascular Events Prediction Using Multimodal Information: Time-to-Event Prognostic Modeling in Myocarditis Patients

**Siepen Bernhard Matthias**  
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Maximal medical treatment of intracerebral haemorrhage pilot trial – MAX-ICH pilot trial
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<td>Vallejo-Yagüe, Enrequita</td>
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<td>The LOGA-Study: A Longitudinal Investigation of the Cognitive and Motor Symptoms in Relation to the Brain-Connectivity and Metabolic Markers in Young Patients With Classic Galactosemia</td>
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<td>Prescriptions for long-term beta blockers after myocardial infarction in Europe (PRACTITIONER study) – protocol for a case vignette study exploring the perspective of general practitioners</td>
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<td>Zingg, Liv</td>
<td>Visceral Surgery</td>
<td>Discrepancies in lecturer and student perspectives towards sex- and gender-based medicine in the medical curriculum</td>
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**Monday Dec 4, 4–6.30 pm | Bern Junior Research Showcase**  
**Chairs: Prof Uyen Huynh-Do / PD Dr Carole Aubert**  
This flagship forum will highlight 12 of the best Junior Research pecha kucha presentations (6 for completed projects and 6 for ongoing projects), with a networking afternoon tea in the middle. All chosen speakers for this seminar will receive a prize of CHF 200.

**Junior Researcher: finished studies**

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<td>KAIM, BIHAM</td>
<td>Older adult attitudes towards deprescribing general medications vs. statins in primary cardiovascular prevention</td>
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<td>Filchenko, Irina</td>
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<td>Thalamic stroke &amp; sleep study: sleep, autonomic regulation and cognition</td>
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<td>Durability of pulmonary vein isolation using pulsed-field ablation – Results from the multicenter EU-PORIA Registry</td>
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<td>Starvaggi, Carl</td>
<td>Emergency Pediatrics</td>
<td>Drivers for low-acuity pediatric emergency department visits in two tertiary hospitals in Switzerland: a cross-sectional, questionnaire-based study</td>
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**Junior Researcher: ongoing studies**

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<td>Assessing Speech Processing During a Functional Near-Infrared Spectroscopy Task in Normal Hearing Listeners and Cochlear Implant Users</td>
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<tr>
<td>Rodriguez-Núñez, Omar</td>
<td>Neurosurgery</td>
<td>Imaging Mueller Polarimetry for Delineation of Lesional Margins during Brain Tumor Surgery</td>
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<tr>
<td>Ryffel, Christoph</td>
<td>Cardiology</td>
<td>Structured shared decision making vs. usual care for patients undergoing elective surgical or transcatheter aortic valve replacement (TOGETHER)</td>
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**Tue Dec 5, 3 – 5 pm | Multidisciplinary Research**
How can we foster projects between clinical disciplines? Join an interactive discussion and liaise with colleagues to enhance your research by involving nursing and allied health staff.

**Chairs: Prof Eva Segelov / PD Dr Martin Verra**

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<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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<td>3 – 3.05 pm</td>
<td>Opening of session</td>
<td>Prof. Eva Segelov, PhD, MD &amp; PD Martin Verra, PhD, PT</td>
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<td>3.05 – 3.30 pm</td>
<td>Interprofessional research (key lecture)</td>
<td>Gere Luder, PhD, PT</td>
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Examples of interprofessional research with contributions by allied health professionals.

| 13.30 – 3.55 pm | Interprofessional research in hand therapy          | Bernadette Tobler, PhD, OT / Tamara Hauri, PhD cand., OT |
| 3.55 – 4.20 pm  | Prehabilitation: Better in, Better out. A team effort. | Thomas Vetsch, PhD cand., PT                                       |
| 4.20 – 4.45 pm  | Effectiveness of the Bern Ambulatory Interprofessional Rehabilitation (BAI-Reha) on occupational performance of clients with chronic pain | Felicia Bertschi, MSc, OT                                           |
| 4.45 – 5.00 pm  | Closing remarks                                   | Eva Segelov & Martin Verra                                           |

**Wednesday Dec 6, 8.30 – 10.30 am**
Beyond clinical trials: Systematic reviews in practice
“Hands-on” session (bring your laptop or tablet) showing how to search for studies to compile a systematic review for evidence synthesis. Including new tools to make research project management easier.

**Chair: Tanya Karrer (Library Information Specialist for Medicine)**

**Wednesday Dec 6, 10.45 – 11.45 am**
Open Science: Open Access and Open Research Data in Clinical Studies
Open Science has become central to the way research is communicated. This session will discuss strategies and developments concerning Open Access and Open Research Data.

**Chairs: Dr Andrea Hacker / Dr Olga Churakova**

**Wednesday Dec 6, 2 – 4 pm**
How to implement Patient Public Involvement (PPI) in your Clinical Research
PPI can significantly enhance research and the DCR offers multiple resources to help clinicians implement PPI successfully. Here we discuss how to make this a productive partnership - also check out the PPI resources on our website.

**Chair: Prof Eva Segelov**

**Wednesday Dec 6, 4 – 6 pm**
Regulation in the Era of Medical Devices
An informative panel discussion covering the most important aspects of contemporary medical regulations relating to new and updated medical devices.

**Chair: Prof Stefan Weber**

**Friday Dec 8, 3 – 5 pm**
What DLF and DCR can offer Researchers: Guidance from A-Z
Come and learn about the many resources available to clinical researchers from the DLF and DCR - there are many new initiatives to assist in making your project successful and stress-free!

**Chairs: Prof Eva Segelov / Dr Danielle Krebs**
In Conversation with Roxana Mehran
Secrets of an Outstanding Role Model

The Commission for Equality together with the DCR is happy to invite you to an exciting breakfast with Prof. Roxana Mehran, MD, FSCAI – Mount Sinai Professor in Cardiovascular Clinical Research and Outcomes.

During an informal talk we will learn more about her academic career and strengthen our own networks with colleagues.

We encourage you to invite colleagues at any stage of their research career.

Together, we can create a stronger network and support system for women in clinical research.

Sponsored by:
Commission for Equality
Department of Clinical Research (DCR)