



Mini Symposium on Sex and Gender Differences in Cardiovascular Medicine

18 October 2023

Murtenstrasse 24, Bern

Organization Committee

Prof. Dr. med. Katja Odening: Translational Cardiology, Department of Cardiology, Inselspital, Bern University Hospital and Department of Physiology, University of Bern

Prof. Dr. med. Catherine Gebhard: Department of Cardiology, Inselspital, Bern University Hospital

Prof. Dr. med. Hildegard Tanner: Department of Cardiology, Inselspital, Bern University Hospital

Prof. Dr. Sarah Longnus: Department of Cardiac Surgery, Inselspital, Bern University Hospital and Department for BioMedial Research, University of Bern



Meeting Programme Overview

12:30-12:35	Opening / Welcome
12:35-13:35	Keynote Presentations & Lunch
13:35-13:45	Break
13:45-14:45	Abstract Flash Talks
14:45-14:50	Break
14:50-16:20	Discussion & Coffee time
16:20-16:30	Conclusions & End of the Mini Symposium



Detailed Scientific Programme

12:30-12:35 Opening remarks & welcome by Prof. Dr. med. Katja Odening

12:35-13:35 **Keynote Presentations (Chair: Prof. Dr. Sarah Longnus)**

- Sex differences in human cardiac electrophysiology and arrhythmia

Prof. Dr. med. Hildegard Tanner, Department of Cardiology

- Mechanisms underlying sex differences and sex hormone effects on ventricular arrhythmias

Prof. Dr. med. Katja Odening, Department of Cardiology and Department of Physiology

- Impact of sex and gender on heart-brain interactions

Prof. Dr. med. Catherine Gebhard, Department of Cardiology

13:35-13:45 Break

13:45-14:45 **Abstract Flash Talks (Chair: Prof. Dr. med. Katja Odening)**

- Sex differences in atrial electrophysiology: IK1 is a major factor that is modulated by sex hormones

Lucilla Giammarino, Department of Physiology, Translational Cardiology

- Investigation of cellular Na⁺ Ca²⁺-handling and its sex differences in rabbit atrial cardiomyocytes

András Horváth, Department of Physiology, Translational Cardiology / Electrophysiology

- Knock-down of the TRPM4 channel alters cardiac electrophysiology and hemodynamics in a sex- and age-dependent manner in mice

Prakash Arullampalam, Institute of Biochemistry and Molecular Medicine

- Characterization of a rat model of DCD to investigate sex differences in cardiac ischemic tolerance

Anja Helmer, Department of Cardiac Surgery, Department for BioMedical Research

Abstract Flash Talks

- Sex differences in cardiac recovery in a rat model of DCD

Alexia Clavier, Department of Cardiac Surgery, Department for BioMedical Research

- Cardiac metabolism as a mediator of ischemic tolerance sex differences in a rat model of heart donation after circulatory death

Selianne Graf, Department of Cardiac Surgery, Department for BioMedical Research

- Gender-specific differences in myocarditis presentations and outcomes

Jonathan Schütze, Department of Cardiology

- How does blood pressure course develop in short- and medium-term in patients after preeclampsia? A retrospective single center study

Lorena Oggier, Departments of Cardiology and Biomedical Research

- Cross-sectional and longitudinal associations of Iron biomarkers and cardiovascular risk factors in pre- and postmenopausal women: leveraging repeated measurements to address natural variability

Noushin Sadat Ahanchi, Institute of Social and Preventive Medicine, UniBe and Department of internal medicine, Lausanne university Hospital and university of Lausanne

14:45-14:50 Break

14:50-16:20 Discussion & Coffee time

16:20-16:30 Conclusions & End of the Mini Symposium
