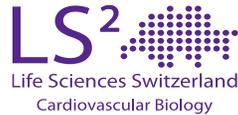


Cardiovascular Research Meeting 2026

Tuesday 13th January 2026



- 09:00-10:00** **Registration and Welcome Coffee**
- 10:00-10:10** **Welcome note from the President of the LS² Intersection Cardiovascular Biology:
Sarah Longnus (Bern)**
- 10:10-12:00** **Cardiac Session 1**
Chairs **Marie Noëlle Giraud, Gabriela Kania**
- 10:10-10:40** **Plenary speaker 1**
Sean Davidson (University College London, UK)
A New Approach to Targeting PI3-Kinase for cardioprotection
- 10:40-10:50** **Talks selected from abstracts (7 min + 3 min Q&A)**
Linda Clochard
Role of Pannexin1 in cardiac repair after ischemia-reperfusion
- 10:50-11:00** **Anja Helmer**
Sex-dependent recovery of left ventricular function and corresponding gene expression in a rat model of donation after circulatory death (DCD)
- 11:00-11:10** **Natalia Atzemian**
Epigenetic control of renal dysfunction in HFpEF: chromatin remodeling as a driver of cardio-renal maladaptation
- 11:10-11:20** **Greta Scherler**
AKAP2 is a new regulator of collagen secretion in cardiac myofibroblasts
- 11:20-11:30** **Christian Zuppinger**
Development of a laser injury model using human cardiac spheroids
- 11:30-12:00** **Plenary speaker 2**
Dario Diviani (University of Lausanne)
Spatial control of cardiac repair and fibrosis: roles of A-kinase anchoring proteins
- 12:00-13:00** **Lunch break**
- 13:00-14:50** **Vascular Session 1**
Chairs **Marie-Luce Piallat, Giovanni Camici**

- 13:00-13:30** **Plenary speaker 3**
Gemma Vilahur (Sant Pau Research Institute, ES)
Impact of metabolic alterations on the Bone Marrow-Heart axis in ischemic heart disease
- Talks selected from abstracts (7 min + 3 min Q&A)**
- 13:30-13:40** **Soumaya Es Sarhdaoui**
Studying the pathogenesis of atherosclerosis: Role of S100A4-expressing cells
- 13:40-13:50** **Bryce Evans**
ChemR23 prevents phenotypic switching of vascular smooth muscle cells into macrophage like foam cells in atherosclerosis.
- 13:50-14:00** **Valeria Masciovecchio**
Alveolar macrophages are drivers of endothelial damage in obese HFpEF-related pulmonary hypertension
- 14:00-14:10** **Silvia Ortona**
Multi-marker analysis of carotid atherosclerotic plaques reveals stress-response and neuro-immune pathways associated with vulnerability
- 14:10-14:20** **Amedeo Tirandi**
Zinc-alpha-2-glycoprotein relates to worse neurological outcomes in acute ischemic stroke patients and disrupts the endothelial integrity of the blood-brain barrier
- 14:20-14:50** **Plenary speaker 4:**
Marco Bacigaluppi (University of Zurich)
Unraveling immune cell dysregulation in stroke under frailty conditions
- 14:50-15:15** **Flash talks preceding poster discussion**
Posters: 1, 2, 5, 6, 9, 10, 12, 13, 15, 21, 22, 27, 28, 32, 38, 40, 47, 48, 53, 60, 61
- Chairs** **Nathalie Rosenblatt, Gabriela Kania**
- 15:15-16:30** **Coffee break and poster session**
Evaluation committee: tba
- 16:30-16:45** **Industry talk** 
Tinkara Vozel (sFAS Olink Proteomics, Part of Thermo Fisher Scientific)
Next-generation proteomics with Olink® - Advancing diagnostics and therapeutics
- 16:45-17:45** **Keynote speaker**
Chairs **Giovanni Camici, Sarah Longnus**
Arnold von Eckardstein (University of Zurich)

Endocytosis, Transcytosis, and Retroendocytosis of HDL: Mechanisms, pathophysiology, and options for clinical exploitation

19:00 **Meeting Dinner** (*Upon previous registration*)
Restaurant Dampfzentrale, Marzillstrasse 47, 3005 Bern

Wednesday 14th January 2026

9:00-10:55 **Cardiac Session 2**
Chairs **Jan Kucera, Lucio Barile**

09:00-09:30 **Plenary speaker 5**
Antonio Zaza (Università degli Studi di Milano-Bicocca, IT)
Type 2 long QT syndrome: a HERG problem only?

09:30-09:40 **Talks selected from abstracts (7 min + 3 min Q&A)**
Marina Vannucci
Computational modelling of ephaptic interactions between a pair of cardiomyocytes exposed to an extracellular electric field pulse: an approach to predict transmembrane potentials in intercalated discs

09:40-09:50 **Enaam Chleilat**
Translational Development of a Dual-Zone Reperfusion Catheter to Prevent Perivascular Excitation Tunnelling-Associated Arrhythmias

09:50-10:00 **Claudia Altomare**
Genetic and Stress-Induced Senescence Converge on Mitochondrial and Electrophysiological dysfunction in Human iPSC-Derived Cardiomyocytes

10:00-10:10 **Shaista Ahmed**
Fibrin–Bone Marrow Cell Secretome Induces a Reparative Arg1⁺ Macrophage Phenotype Potentially Mediating Cardiac Repair

10:10-10:40 **Plenary speaker 6**
Nina Cabezas-Wallscheid (ETH Zürich)
Modulation of bone marrow haematopoietic stem cell activity as a therapeutic strategy after myocardial infarction: a preclinical study

10:40-10:55 **Industry talk**
Priska Schorlemmer (ADInstruments)
Accuracy matters. About the relevance of data quality in life science research



10:55-11:20 **Flash talks preceding poster discussion (1 min max)**
Posters: 3, 11, 14, 16, 17, 23, 30, 31, 34, 35, 37, 39, 41, 43, 45, 46, 49, 50, 52, 55, 56

Chairs **Gabriela Kania, Nathalie Rosenblatt**

- 11:20-12:35** **Coffee break and poster session**
Evaluation committee: TBA
- 12:35-13:35** **Lunch break**
- 13:35-13:55** **Cardiovascular working group: General Assembly**
- 13:55-15:45** **Vascular Session 2**
Chairs **Nathalie Rosenblatt, Andrea Banfi**
- 13:55-14:25** **Plenary speaker 7**
Tatiana Petrova (UNIL – CHUV)
Mechanisms and functions of vascular specialization
- 14:25-14:35** **Talks selected from abstracts (7 min + 3 min Q&A)**
Nunzia Di Maggio
Functional and persistent microvascular networks in a VEGF-decorated matrix: a vascularization module
- 14:35-15:45** **Alessandra Vescovi**
VEGF chemically modified mRNA-loaded matrix for vascularized bone engineering
- 14:45-15:55** **Ellen Kossmann**
Endothelialized Cardiac Microtissues to Model Fibrotic and Microvascular Changes
- 14:55-15:05** **Martin Flück**
RAS Blockade compensates for the Hypertensive and Fibrotic Effects of ACE2 Inhibition
- 15:05-15:35** **Plenary speaker 8**
Niels Riksen (Radboud University Medical Center, NL)
Innate immune cell reprogramming in the pathophysiology of atherosclerosis
- 15:35-15:50** **Small break to summarise votes**
- 15:50–16:05** **Award Ceremony**
Sarah Longnus (Bern) / Lucio Barile (Lugano)
- 16:05-16:10** **Closing remarks from the president of the LS² Cardiovascular Biology Inter-Section: Sarah Longnus (University of Bern)**