

Sunday, October 27

Symposium 6: Mural-endothelial crosstalk (8:30 - 10:30)

Chairs: tba

- 8:30-9:00 **Introductory Keynote Lecture - Hellmut Augustin** (Heidelberg University / German Cancer Research Center, Germany) „Pericyte contribution towards tumor progression & metastasis“
- 9:00-9:25 **Lecture 1 - Michaela Kuhn** (University of Würzburg, Germany)
“Endothelial C-Type Natriuretic Peptide regulates microcirculatory flow and barrier functions“
- 9:25-9:50 **Lecture 2 - Andrew Baker** (The University of Edinburgh, UK)
„Vascular cell function in injury & repair“
- 9:50-10:05 **Short talk - Katarina Spiranec Spes** (University of Würzburg, Germany)
“Proangiogenic effects of cardiac natriuretic peptides on pericytes: role in myocardial microcirculation“
- 10:05-10:20 **Short talks - Junhao Hu** (Chinese Academy of Sciences, Shanghai, China)
“Stabilizing pericytes as a novel strategy for the treatment of inflammation-induced lung injury“

10:30-11:00 COFFEE BREAK

Symposium 7: Endothelial cell-cardiomyocyte communication (11:00 - 13:00)

Chairs: tba

- 11:00-11:30 **Introductory Keynote Lecture (DZHK lecture) - Riikka Kivelä** (University of Helsinki, Finland)
“Endothelial cell regulation of cardiomyocyte growth & homeostasis“
- 11:30-11:55 **Lecture 1 - Andreas Fischer** (Heidelberg University / German Cancer Research Center, Germany)
„Angiocrine signaling in the heart“
- 11:55-12:20 **Lecture 2 - Johannes Backs** (Heidelberg University, Germany)
„Role of histone deacetylases for perivascular fibrosis and HFpEF“
- 12:20-12:35 **Short talk - Julian Uwe Gabriel Wagner** (University of Frankfurt, Germany)
“Dissection of heterocellular cross-talk in vascularized cardiac tissue mimetics“
- 12:35-12:50 **Short talk - Rio Juni** (Amsterdam University, The Netherlands)
“Cardiac Microvascular Endothelial Enhancement of Cardiomyocyte Function is Impaired by Inflammation and Restored by Empagliflozin “

13:00-14:00 LUNCH

Symposium 8: Immuno-vascular communication skills (14:00 - 16:00)

Chairs: tba

- 14:00-14:30 **Introductory Keynote Lecture - Jaap van Buul** (Sanquin Research & Landsteiner Laboratory, Amsterdam, NLD) „Leukocyte transendothelial migration: the endothelium in control“
- 14:30-14:55 **Lecture 1 - Barbara Walzog** (University of Munich, Germany)
„Integrin signalling and neutrophil trafficking in innate immunity“
- 14:55-15:20 **Lecture 2 (SFB 914 lecture) - Florian Gärtner** (Institute of Science and Technology, Austria)
“Migrating platelets safeguard the inflamed vasculature“
- 15:20-15:35 **Short talk - Roland Immler** (University of Munich, Germany)
“Embryo-derived Preimplantation Factor disrupts neutrophil recruitment by reducing KV1.3-regulated Sustained Store Operated Ca²⁺ Entry“
- 15:35-15:50 **Short talk - Hebatullah Laban** (University of Frankfurt, Germany)
“Role of vasodilator-stimulated phosphoprotein in leukocyte recruitment, macrophage polarization and vascular remodelling“

16:00 Awards & Closing remarks

Partners:



Industrial Sponsors:

