



# Meeting of the *German Society for Microcirculation and Vascular Biology (GfMVB)* October 25 – 27, 2019 in Heidelberg

## Friday, October 25

**12:00-13:00** Welcome & Registration

**13:00-13:10** OPENING

### **Symposium 1: Organ-specific vascular features (13:10 - 15:10)**

*Chairs: tba*

**13:10-13:40** **Introductory Keynote Lecture** - "Angiocrine signals - past & present"

*Eckhard Lammert (University of Düsseldorf, Germany)*

**13:40-14:05** **Lecture 1** - "Hepatic Angiodiversity: Vascular Control of Liver Function & Disease Processes"  
*Sergij Goerd (Heidelberg University, Mannheim, Germany)*

**14:05-14:30** **Lecture 2 (DZHK lecture)** -

*Karina Yaniv (Weizmann-Institute of Science, Rehovot, Israel)*

**14:30-14:45** Short talks (selected from abstracts) - tba

**14:45-15:00** Short talks (selected from abstracts) - tba

**15:10-15:40** COFFEE BREAK

### **Symposium 2: Vascular homeostasis, aging and repair (15:40 - 17:40)**

*Chairs: tba*

**15:40-16:10** **Introductory Keynote Lecture** - „Endothelial cell plasticity in repair & regeneration“

*Stefanie Dimmeler (University of Frankfurt, Germany)*

**16:10-16:35** **Lecture 1 (DZHK lecture)**

*“Transcriptional and epigenetic mechanisms controlling vascular health“*

*Anna Randi (Imperial College, London, UK)*

**16:35-17:00** **Lecture 2** - „Organotypic angiocrine signals in health and disease“

*Anjali Kusumbe (University of Oxford, UK)*

**17:00-17:15** Short talk (selected from abstracts) – tba

**17:15-17:30** Short talk (selected from abstracts) – tba

**17:40-18:10** COFFEE BREAK

### **Aletta Jacobs memorial - young investigator award session (18:10 - 19:00)**

*Introduction (Ferdinand le Noble)*

**18:15-18:30** Short talks (selected from abstracts) – tba

**18:30-18:45** Short talks (selected from abstracts) – tba

**18:45-19:00** Short talks (selected from abstracts) – tba

**Welcome reception & Poster session 1 (19:00 - 20:30)**

**PhD/MD student party (~20:30-...)**

## **Saturday, October 26**

### **Symposium 3: Vascular metabolism (8:30 - 10:30)**

*Chairs: tba*

- 8:30-9:00 **Introductory Keynote Lecture**  
"Control of endothelial quiescence by FOXO regulated metabolites"  
*Michael Potente (Max Planck Institute for Heart & Lung Research, Bad Nauheim, Germany)*
- 9:00-9:25 **Lecture 1** - "Endothelial insulin resistance as a cause of endothelial cell activation"  
*Christian Rask-Madsen (Joslin Diabetes Center, Boston, USA)*
- 9:25-9:50 **Lecture 2** -  
*Massimo Santoro (University of Padua, Italy)*
- 9:50-10:05 Short talks (selected from abstracts) – tba
- 10:05-10:20 Short talks (selected from abstracts) – tba

### **10:30-11:00 COFFEE BREAK**

### **Hermann Rein - young investigator award session (11:00 - 12:00)**

*Introduction (Henning Morawietz)*

- 11:10-11:25 Short talks (selected from abstracts) – tba
- 11:25-11:40 Short talks (selected from abstracts) – tba
- 11:40-11:55 Short talks (selected from abstracts) – tba

### **12:00-14:30 LUNCH & Lunch Workshops (13:00-14:00), Poster session 2**

### **Symposium 4: Biomechanical control of vascular differentiation & function (14:30 - 16:30)**

*Chairs: tba*

- 14:30-15:00 **Introductory Keynote Lecture**  
"The role of endothelial mechanotransduction in vascular physiology & pathology"  
*Stefan Offermanns (Max Planck Institute for Heart & Lung Research, Bad Nauheim, Germany)*
- 15:00-15:25 **Lecture 1** -  
"The role of vascular endothelial laminins in vascular differentiation & shear responses"  
*Lydia Sorokin (University of Münster, Germany)*
- 15:25-15:50 **Lecture 2** - "Selective targeting of artery size and remodeling"  
*Ferdinand le Noble (KIT, Germany)*
- 15:50-16:05 Short talks (selected from abstracts) – tba
- 16:05-16:20 Short talks (selected from abstracts) – tba

### **16:30-17:00 COFFEE BREAK**

### **Symposium 5: Microcirculatory tumor progression and metastasis (17:00 - 19:00)**

*Chairs: tba*

- 17:00-17:30 **Introductory Keynote Lecture** -  
*Gabriele Bergers (Leuven Center for Cancer Biology, Belgium)*
- 17:30-17:55 **Lecture 1** -  
*Michele De Palma (ISREC-Swiss Institute for Experimental Cancer Research, Switzerland)*
- 17:55-18:20 **Lecture 2** - "Endothelial junctions & metastatic spread"  
*Lena Claesson-Welsh (Uppsala University, Sweden)*
- 18:20-18:35 Short talks (selected from abstracts) – tba
- 18:35-18:50 Short talks (selected from abstracts) – tba

### **19:00 -... Social Event**

## Sunday, October 27

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

*Chairs: tba*

**8:30-9:00**     **Introductory Keynote Lecture**

„Pericyte contribution towards tumor progression & metastasis“

*Hellmut Augustin (Heidelberg University / German Cancer Research Center, Germany)*

**9:00-9:25**     **Lecture 1 -**

“Endothelial C-Type Natriuretic Peptide regulates microcirculatory flow & barrier functions“

*Michaela Kuhn (University of Würzburg, Germany)*

**9:25-9:50**     **Lecture 2 -** „Vascular cell function in injury & repair“

*Andrew Baker (The University of Edinburgh, UK)*

**9:50-10:05**     Short talks (selected from abstracts) – tba

**10:05-10:20**     Short talks (selected from abstracts) – tba

**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)**

“Endothelial cell regulation of cardiomyocyte growth & homeostasis“

*Riikka Kivelä (University of Helsinki, Finland)*

**11:30-11:55**     **Lecture 1 -** „Angiocrine signaling in the heart“

*Andreas Fischer (Heidelberg University / German Cancer Research Center, Germany)*

**11:55-12:20**     **Lecture 2 -** „Role of histone deacetylases for perivascular fibrosis and HFpEF“

*Johannes Backs (Heidelberg University, Germany)*

**12:20-12:35**     Short talks (selected from abstracts) – tba

**12:35-12:50**     Short talks (selected from abstracts) – tba

**13:00-14:00**     **LUNCH**

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

*Chairs: tba*

**14:00-14:30**     **Introductory Keynote Lecture -**

„Leukocyte transendothelial migration: the endothelium in control“

*Jaap van Buul (Sanquin Research and Landsteiner Laboratory, Amsterdam, The Netherlands)*

**14:30-14:55**     **Lecture 1 -**

*Barbara Walzog (University of Munich, Germany)*

**14:55-15:20**     **Lecture 2 -**

*tba*

**15:20-15:35**     Short talks (selected from abstracts) – tba

**15:35-15:50**     Short talks (selected from abstracts) – tba

**16:00**     **Awards & Closing remarks**

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