

Ringberg-Workshop Tissue Morphogenesis 2013

"Cell signaling in vascular morphogenesis"

October 9 – October 12, 2013

Ringberg Castle
(Schlossstraße 20, D-83708 Kreuth)

Organizers:

Ralf H. Adams, Wiebke Herzog, Friedemann Kiefer, Arndt Siekmann
Max Planck Institute for Molecular Biomedicine
Münster

Program

Wednesday, October 9th

14:00 – 18:00 *Arrival*

18:30 *Dinner*

Opening and keynote lecture I

20:00 **Ralf H. Adams** (Münster, Germany)
Welcome and introductory remarks

20:15 – 21:00 **Victoria Bautch** (Chapel Hill, USA)
How excess centrosomes affect endothelial cell migration

afterwards *Get-together*

Thursday, October 10th

Organ-specific vascular functions

(chair: Christian Helker)

09:15 – 09:35 **Nils Ohnesorge, Kerstin Grieb**
The hepatic vasculature and liver regeneration

09:45 – 10:05 **Mara Pitulescu, Hyun Woo Jeong**
Origin and function of the cardiac vasculature

10:15 – 10:45 *Coffee break*

10:45 – 11:05 **Cong Xu, Sana Hasan**
Embryonic versus regenerative vascularization in the zebrafish tail fin

11:15 – 11:35 **Vanessa Weis, Raghu Erapanedi**
Mechanisms guiding lymph node formation and tumor cell entry.

11:45 – 14:30 *Lunch break & time of sightseeing in the castle*

Keynote lecture II

14:30 – 15:15 **Naoki Mochizuki**
Visualization of beta-catenin-dependent transcription in
developmental angiogenesis in zebrafish

Discussion : Science in ten years

15:30 – 16:15 **Victoria Bautch, Naoki Mochizuki,
Gou Young Koh, Ralf H. Adams**

16:15 – 16:45 *Coffee break*

Building the vessel wall – roles of mural cells

(chair: Saravana Ramasamy)

16:50 – 17:10 **Manuel Ehling, Rodrigo Dieguez-Hurtado**
Pericytes and their functional roles

17:20 – 17:40 **Katsuhiko Kato, Max van Lessen**
PC heterogeneity and signaling pathways

17:50 – 18:10 **Rodrigo Dieguez-Hurtado, Gabriele Bixel**
Sealing the blood brain barrier

18:20 – 18:40 **Hyun Woo Jeong, Jung Mo Kim**
Role of PCs as mesenchymal stem cells

19:00 *Dinner*

Friday, October 11th

Hematopoiesis

(chair: Mara Pitulescu)

9:00 – 9:20 **Annika Schürmann, Christian Helker**
Primitive hematopoiesis vs angioblast specification

9:30 – 9:50 **Urs Langen, Khrivono Kikhi**
From hemogenic endothelium to bone marrow

10:00 – 10:20 **Anjali Kusumbe, Saravana Ramasamy**
Vascular niches for hematopoietic stem and progenitor cells

10:30 – 11:00 *Coffee break*

11:00 – 11:20 **Mirela Balan, Martin Andreas**
The myeloid, the lymphoid and the lymphatic lineage

Discussion : Career Development

11:20 – 12:00 **Ralf H. Adams**
Straight and curvy paths to professional success

12.00 - 14.15 *Lunch break & time for a walk around the Ringberg Castle*

Regulation of gene expression and function

(chair: Nils Ohnesorge)

14:20– 14:40 **Mara Pitulescu, Mailin Hamm**

Transcription factors

14:50 – 15:10 **Martin Lange, Wade William Sugden**
Flow and mechanotransduction

15:20 – 15:50 *Coffee break*

Keynote lecture III

15:50 – 16:35 **Gou Young Koh**
Organotypic angiogenesis and vascular remodeling

Tricks of the trade: publishing, cover letters, grant-writing, job applications

16:50 – 18:00 **Ralf H. Adams, Victoria Bautch, Friedemann Kiefer,
Naoki Mochizuki, Gou Young Koh**

18:30 *Bavarian dinner*

Saturday, October 12

Departure after breakfast