Program Kloster Seeon Angiogenesis Meeting

Saturday, September 17, 2016

15:00	Welcome and Introduction Eckhard Lammert (chair 2016) & Susan Quaggin (chair 2018)
15:15 – 19:30	Session 1
	BASIC VASCULAR DEVELOPMENT Discussion leader: Holger Gerhardt (Berlin, Germany)
15:15 KEYNOTE	E: Markus Affolter (Basel, Switzerland) From cells to networks: Cell behaviour in angiogenesis
16:00	Friedemann Kiefer (Muenster, Germany) Mechanisms of lymphatic vessel morphogenesis - chemokine-mediated modulation of tyrosine kinase receptor signaling
16:30	Victoria Bautch (Chapel Hill, NC, USA) The emerging role of BMP signaling in blood vessel morphogenesis
17:00	Coffee break
17:30	Taija Mäkinen (Uppsala, Sweden) Heterogeneity in the lymphatic vasculature and its origin
18:00 <i>BLITZ:</i>	Eloi Montanez (Munich, Germany) Role of parvins during vascularization of the central nervous system
18:15	Guillermo Oliver (Chicago, IL, USA) Molecular mechanisms regulating lymphatic fate
18:45 <i>BLITZ:</i>	Natasha Harvey (Adelaide, Australia) Defining the mechanisms by which GATA2 programs lymphatic vessel valve morphogenesis
19:00	Stefan Schulte-Merker (Muenster, Germany) Genetic control of lymphatic vessel formation in zebrafish and mice
19:45	Dinner

Sunday, September 18, 2016

08:45 – 12:00	Session 2	
00.10 12.00	VASCULAR AND METABOLIC SIGNALING PATHWAYS Discussion leader: Christiana Ruhrberg (London, UK)	
08:45	Lena Claesson-Welsh (Uppsala, Sweden) Outstanding questions in regulation of vascular permeability	
09:15 BLITZ:	Mirko Schmidt (Mainz, Germany) Neurovascular EGFL7 regulates subventricular neural stem cells, neurogenesis and olfactory perception	
09:30 BLITZ :	Carmen Ruiz de Almodovar (Heidelberg, Germany) Neuro-vascular communication is essential for proper spinal cord vascularization	
09:45	Ralf Adams (Muenster, Germany) Organ-specific blood vessel morphogenesis	
10:15	Coffee break	
10:45	Peter Carmeliet (Leuven, Belgium) Angiogenesis revisited: Role and (therapeutic) implications of endothelial metabolism	
11:15	Kari Alitalo (Helsinki, Finland) Pathways of vasculoprotection	
11:45	Group photo	
12:15	Lunch	
12:15 13:30 – 15:30	Lunch Poster Session I	
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Monday, September 19, 2016

08:30 – 12:00	Session 4	
	ORGAN-SPECIFIC VASCULAR REMODELING Discussion leader: Ondine Cleaver (Dallas, TX, USA)	
08:30	Kristy Red-Horse (Stanford, CA, USA) Interrogating cell fate changes during sinus venosus sprouting angiogenesis	
09:00 <i>BLITZ:</i>	Jörg Heineke (Hannover, Germany) The Endothelial Transcription Factor GATA2 prevents the development of heart failure during cardiac pressure overload through regulation of two secreted long non-coding RNAs	
09:15	Didier Stainier (Bad Nauheim, Germany) Cloche is a bHLH-PAS transcription factor that drives endothelial and hematopoietic specification	
09:45	Coffee break	
10:15	Hellmut Augustin (Heidelberg, Germany) Epigenetic regulation of vascular maturation	
10:45 <i>BLITZ:</i>	Quenten Schwarz (Adelaide, Australia) Novel angiocrine factors orchestrating craniaofacial development	
11:00	Vijay Shah (Rochester, MN, USA) Regulation of Pericyte Activation in the Hepatic Sinusoids	
11:30	Shahin Rafii (New York, NY, USA) Specification of organotypic functional endothelial cells by ETS and Sox factors for tissue regeneration	
12:15	Lunch	
13:30 – 17:00	Session 5	
	PATHOLOGICAL VASCULAR REMODELING Discussion leader: Klaus Preissner (Giessen, Germany)	
13:30	Susan Quaggin (Chicago, IL, USA) High 'TEK' solutions for diabetic complications	
14:00 <i>BLITZ:</i>	Kaska Koltowska (St Lucia, Australia) Identification of novel role for mafba as a downstream effector of Vegfc signalling during lymphangiogenesis in zebrafish	
14:15	Anne Eichmann (New Haven, CT, USA) Vascular mispatterning and disease	
14:45	Coffee break	
15:15	Andreas Fischer (Heidelberg, Germany) Perfusion-independent functions of endothelial cells in tumors	
15:45 BLITZ:	Boris Strilic (Bad Nauheim, Germany) Tumor cell-induced endothelial cell necroptosis via death receptor 6 promotes metastasis	

16:00	Christer Betsholtz (Uppsala, Sweden) Defining pericytes by single cell RNASeq
16:30	Paul Riley (Oxford, UK) Developmental programming of the cardiac lymphatics towards immunomodulation and improved heart repair
17:00 – 19:00	Poster Session II
19:00	Dinner

Tuesday, September 20, 2016

8:30 – 11:45	Session 6
	TRANSLATIONAL VASCULAR BIOLOGY Discussion leader: Donald McDonald (San Francisco, CA, USA)
08:30	Michael Detmar (Zurich, Switzerland) An important role of lymphatic vessels in tumor progression and inflammation
09:00 BLITZ:	Kevin Walsh (South San Francisco, CA, USA) Metabolic alterations induced by VEGF blockade promotes anti-tumor immune responses
09:15 BLITZ:	Ferdinand Le Noble (Karlsruhe, Germany) Neuronal Flt1 controls spinal cord vascularization involving venular endothelium with high angiogenic potential
09:30	Melody Swartz (Chicago, IL, USA) Immunomodulatory roles of lymphangiogenesis and translational implications
10:00	Coffee break
10:30 <i>BLITZ:</i>	Joyce Bischoff (Boston, MA, USA) GNAQ p.R183Q mutation disrupts endothelial behavior in capillary malformations
10:45	Tatiana Petrova (Lausanne, Switzerland) Mechanisms of lymphatic vessel specialization
11:15	Kairbaan Hodivala-Dilke (London, UK) Novel dual-action combination therapy enhances angiogenesis whilst reducing tumor growth and spread
11:45	Final announcements Susan Quaggin & Eckhard Lammert

END OF MEETING

12:00	Lunch
13:00	Departure of shuttle buses