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Organization

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Please register at www.sfb1366.de





Max Planck Institute for Molecular Biomedicine

KICK-OFF MEETING CRC 1366 VASCULAR CONTROL OF ORGAN FUNCTION



March 1, 2019





Friday, March 1, 2019

	9:00	Registration		
		Alte Brauerei, Röntgenstr. 7 68167 Mannheim Lecture Hall, Room No. AB137, ground floor	12:05 - 13:00	Lunch break
	9:30 - 9:45	Welcome addresses	Constant 2	
			Session 2	
		Sergij Goerdt	Chair	Carmen Ruiz de Almodovar
		Dean of the Medical Faculty	12.00 12.25	
		Mannheim, Heidelberg University and Vice	13:00 - 13:35	Liver endothelial cells at single cell
		Spokesperson of the CRC1366		resolution
				Shalev Itzkovitz, Weizmann Institute,
		Hellmut Augustin		Rehovot, Israel
		Spokesperson of the CRC1366	1225 1110	
			13:35 - 14:10	Reconstruction of human development
	Session 1			using single cell transcriptomics
	Chair	Jörg Heineke		and MPI for Evolutionary Anthropology,
	9.45 - 10.20	Vascular growth factor regulation of cornary		Leipzig, Germany
	9.45 10.20	vessels		
		Kari Alitalo University of Helsinki Finland	14:10 - 14:45	PI3King blood vessels
		Ran Antalo, on versity of heisinki , hinana		Mariona Graupera, IDIBELL, Barcelona,
	10.20 - 10.55	Age-related angiocrine signals in		Spain
	10.20 10.55	homeostasis and disease		
		Aniali Kusumbe University of Oxford UK	14:45 - 15:20	Organotypic features of vascular leakage
		Anjan Rusumbe, oniversity of Oxford, or		Lena-Cleasson-Welsh, University of
	10.55 - 11.30	Vascular GPCB signaling: The hippo in the		Uppsala, Sweden
	10.55 - 11.50	room ²		
		Silvio Gutkind University of California San	15:20 - 15:30	Concluding remarks and farewell
		Diego USA		
		Diego, USA		
	11.30 - 12.05	Deconvoluting hematopoietic stem cells at		
	11.50 12.05	single cell resolution		
		Simon Haas HI-STEM & DKE7 Heidelberg		
		Simon mads, Π - STEW & DKFZ, Π - UDER, Correctly		
		Germany		

Concept of the CRC1366



Vascular dysfunction accounts for the vast majority of human mortality. The better molecular and functional understanding of organotypic vascular functions therefore holds great potential for the development of novel angiotargeted therapies to combat major lifethreatening and socioeconomically important chronic diseases. In the past, the cells of the vessel wall (endothelial cells and surrounding mural cells) have primarily been viewed and studied as a rather passive interface that merely responds to exogenous cues (e.g., cytokines, extracellular matrix, mechanical forces). In contrast, work within the CRC1366 "Vascular Control of Organ Function" is at the forefront of a paradigm shift that recognizes the vessel wall as regulatory gatekeeper that actively controls its microenvironment through paracrine acting cytokines (angiokines). The vasculature thereby exerts critical instructive functions in diverse physiological and pathological processes ranging from development, regeneration and homeostasis to inflammation, metabolism, aging, cancer and metastasis.

