

Sponsors:

- 09:30 - 11:30** **COVID19 – impact on microvascular and cardiac function**
Chairs: Andre Fischer, Ed Eringa
- 09:30 - 10:00** **Stefanie Dimmeler**
Key note: Single cell analysis to decipher endothelial responses to injury
- 10:00 - 10:20** **Maximilian Ackermann**
COVID19: vascular inflammation, thrombosis and intussusceptive angiogenesis
- 10:20 - 10:40** **Liz Jones**
Microvascular changes in the COVID infected heart
- 10:40 - 11:00** **Stefan Pöhlmann**
SARS-CoV-2 entry into cells and its inhibition
- 11:00 - 11:20** **Wolfram Zimmermann**
COVID19 Induced Heart Muscle Damage
- 11:20 - 11:30** Selected talk from abstracts
- 11:30 - 12:30** Coffee - Lunch Break
- 12:30 - 15:00** **Biomechanics in the cardiovascular system**
Chairs: Christian Kupatt, Johannes Backs
- 12:30 - 13:00** **Christopher Chen**
Key note: Mechanoregulation of structure and function: a story of adhesions and the cytoskeleton
- 13:00 - 13:10** Selected talk from abstracts
13:10 - 13:20 Selected talk from abstracts
13:20 - 13:30 Selected talk from abstracts
- 13:30 - 14:00** **Carlijn Bouten**
Key note: Scaffold-driven in situ vascular tissue engineering
- 14:00 - 14:10** Selected talk from abstracts
14:10 - 14:20 Selected talk from abstracts
14:20 - 14:30 Selected talk from abstracts
- 14:30 - 15:00** **Stephan Huveneers**
Key note: Endothelial stiffness in health and disease

Award ceremony for best poster, best oral communication Announcement of 2022 GfMVB meeting in Berlin Announcement of the International Vascular Biology meeting (IVBM) 2024 in Amsterdam, The Netherlands



Contact:
German Primate Center
Leibniz Institute for Primate Research
Laboratory animal science unit
Prof. Dr. Rabea Hinkel
Phone: 0049 551 3851241
Mail: gfmvb2021@dpz.eu

Joint Vascular Biology meeting 2021

**German Society
for Microcirculation and Vascular Biology
&
Netherlands Vascular
Biology Organization**

**03. – 05.11.2021
Göttingen / Germany**





Wednesday, 03.11.2021		17:30 - 18:00	Coffee Break	12:30 - 12:50	Niels Riksen Innate immune cell reprogramming in atherosclerosis	
12:00 - 12:45	Welcome and registration	18:00 - 18:30	Jim Faber Key Note: Collaterals—nature’s endogenous bypass vessels: physiology, genetics and Darwin Chair: Ferdinand le Noble, Jaap van Buul	12:50 - 13:00	Selected talk from abstracts	
13:00 - 15:00	Seeing is believing – emerging imaging modalities Chairs: Axel Pries	18:30 - 20:30	Poster Session 1: including drinks and snacks. Location: DPZ foyer and side-rooms Poster judges: board members of GfMVB & NVBO	13:00 - 15:00	Lunch Break & Poster Session 2	
13:00 - 13:10	Introduction of Nobel Laureate by Prof. Axel Pries and Stefan Treue	>20:00	Drinks, PhD/PostDoc party	15:00 - 16:00	Hermann Rein Award Chairs: Rabea Hinkel, Ferdinand le Noble, Bodo Levkau, HRA judges	
13:10 - 13:50	Stefan Hell , Nobel Laureate: Molecular resolution in fluorescence microscopy Key Note: novel imaging modalities			15:00 - 15:20 15:20 - 15:40 15:40 - 16:00	HR award-1 Selected talk from HRA application HR award-2 Selected talk from HRA application HR award-3 Selected talk from HRA application	

Thursday, 04.11.2021						
13:50 - 14:10	Friedemann Kiefer Regional lymphatic vessel specializations	09:00 - 11:00		Coronary vascular remodeling and cardiac regeneration Chairs: Ebba Brakenhielm, Guido Krenning	16:00 - 18:45	Aletta Jacobs award session Chairs: Kristina Lorenz, Bianca Nitzsche, Laura Zelarayan-Behrend
14:10 - 14:30	Katie Bentley Mouse retinal cell behaviour in 3D/4D using light sheet microscopy	09:00 - 09:30	Jeroen Bakkers Key Note: Heart regeneration: Lessons from zebrafish	16:00 - 16:30	Christina Ruhrberg Key note: Semaphorin regulation of organ vascular development	
14:30 - 14:50	Jan Huisken Fast and gentle imaging of vascular patterning in zebrafish with light sheet microscopy	09:30 - 09:50	Andrew Baker Defining mechanisms that control vascular remodeling	16:30 - 16:50	Ebba Brakenhielm Cardiac lymphangiogenesis in cardiovascular diseases – influence of gender	
14:50 - 15:00	Selected talk from abstracts	09:50 - 10:10	Riikka Kivelä Remodeling of the cardiac endothelial cell transcriptome by cardiovascular disease risk factors and exercise	16:50 - 17:10	Susanne Fleig Loss of endothelial Notch signaling promotes tertiary lymphoid structure formation in parenchymatous organs	
15:00 - 15:30	Coffee Break	10:10 - 10:30	Eldad Tzahor Fixing a broken heart	17:10 - 17:30	Karina Yaniv (Israel) Vascular control of organ growth and regeneration	
15:30 - 16:00	Shahin Rafii (USA) Key Note: Engineering adaptable and Hemodynamic Human Endothelial Cells for Organogenesis Chairs: Karina Yaniv, Florian Limbourg	10:30 – 10:40 10:40 – 10:50 10:50 - 11:00	Selected talk from abstracts Selected talk from abstracts Selected talk from abstracts	17:30 - 17:45	Coffee Break	
16:00 - 17:30	Molecular control of endothelial cell behavior Chairs: Liz Jones, Ferdinand le Noble	11:00 - 11:30	Coffee Break	17:45 - 18:15	Introduction Aletta Jacobs award session for junior researchers Chair: Ferdinand le Noble, Susanne Lutz	
16:00 - 16:20	Lars Jakobsson Arteriovenous malformation - learning from individual cells	11:30 - 13:00	Therapeutic targeting of vascular networks Chairs: Sara de Val, Friederike Cuello	17:45 - 17:55 17:55 - 18:05 18:05 - 18:15	AJ award-1 Selected talk from abstracts AJ award-2 Selected talk from abstracts AJ award-3 Selected talk from abstracts	
16:20 - 16:40	Sarah de Val Using gene enhancers to understand vessel development in the heart and beyond	11:30 - 11:50	Paul Quax 14Q32 microRNAs and snoRNAs in the regulation of ischemia driven neovascularization	18:15 - 18:45	Kristy Red-Horse Key note: Modeling blood flow in regenerating and non-regenerating hearts Chair: Susanne Lutz	
16:40 - 17:00	Rui Benedito Exclusionary zoning during angiogenesis	11:50 - 12:10	Christian Kupatt When microvessels shrink.... Reasons and remedies of capillary rarefaction			
17:00 - 17:20	Katrien de Bock Endothelial metabolism in the muscle microenvironment	12:10 - 12:30	Tim Chico Therapeutic targeting of neurovascular coupling using novel zebrafish models	19:00	SOCIAL EVENT Special Speaker, Social Event, Hermann Rein and Aletta Jacobs award ceremonies	
17:20 - 17:30	Selected talk from abstracts					