

Spring School 2024
Bridging Basic and Clinical Science in Vascular Biology and Atherosclerosis.

Organisation

Prof. Dr. Philip Wenzel, Mainz (AG 4)
 PD Dr. Claudia Goetsch, Aachen (AG 4)
 Prof. Dr. Daniel Dürschmied, Mannheim (AG 4)
 Prof. Dr. Ingo Hilgendorf, Freiburg (AG 41)
 Prof. Dr. Nikolaus Marx, Aachen (AG 41)



Friday, 01.03.2024

- 12:00 - 13:20 Arrival, registration
12:00 - 13:15 Lunch
13:20 - 13:30 Welcome
13:30 - 15:00 Session 1 (organized by AG4)
Thrombo-Inflammation
 Chair: *Philip Wenzel*
- 13:30 - 14:00 Thromboprotection in immobilization
Tobias Petzold, LUM Munich
 - 14:00 - 14:30 Macrophage reprogramming in cardiac remodeling and thromboinflammation
Michael Molitor, Mainz University
 - 14:30 - 14:45 Macrophage transcriptome changes in response to cardiac injuries are determined by the type of lesion rather than their ontogenetic nature
Tamara Vico, Freiburg University
 - 14:45 - 15:00 Transcriptional regulation by TBX18 in vascular smooth muscle cells is essential for normal aortic development and homeostasis
Debanjan Mukherjee, Frankfurt University
- 15:00 - 15:15 Group picture
15:15 - 17:00 Poster session with coffee break
 15:15 – 16:30 Guided poster presentations in small groups
 16:30 – 17:00 Poster networking
17:00 - 18:30 Session 2 (organized by AG41)
New era for lipid and inflammation lowering – novel targets
 Chair: *Ksenija Stach-Jablonski*
- 17:00 - 17:30 Inflammation and lipid-lowering in CKD
Timo Speer, Frankfurt University
 - 17:30 – 18:00 (Pleiotropic) effects of SGLT2i
Daniel Sedding, Halle University
 - 18:00 – 18:15 DNA methylation in ABCG1 mediates an effect of lipoproteins on atherosclerotic markers
Mohammed Kamal Nasr, Greifswald University
 - 18:15 – 18:30 Inhibition of ceramide synthesis ameliorates calcific aortic valve disease by reducing lipotoxicity
Elias Rawish, Lübeck University
- 18:30 – 19:15 Hotline – Opinion leader**
 Chair: *Sabine Steffens*
 Vascular control of organ function
Hellmut Augustin, Mannheim University
- 19:30 – 21:30 Host reception.
 Networking and exchange of experts in the field and early career researchers about career paths and opportunities in bridging basic and clinical science in atherosclerosis.

Saturday, 02.03.2024

- 07:30 - 08:30 Breakfast
08:30 - 10:00 Session 3 (organized by AG41)
Inter-organ communication contributes to cardiovascular risk – clinical science view
 Chair: *Ingo Hilgendorf*
- 08:30 - 09:00 Diabetes and heart failure
Nikolaus Marx, RWTH Aachen
 - 09:30 – 10:00 Non-conventional risk factors of CVD - the overlooked other half
Hendrick Sager, TU Munich
 - 10:00 – 10:15 Unbiased clustering and molecular characterisation of novel metabolic phenotypes in a heart failure cohort
Ekaterina Esenkova, Mainz University
 - 10:15 – 10:30 Streptococcus pneumoniae infection promotes the long-term development of an atherosclerotic phenotype in atheroprone ApoE-deficient mice
Lisa Peters, Charite Berlin
- 10:00 - 10:30 Coffee break + networking on posters (check-out)
10:30 - 12:00 Session 4 (organized by AG4)
Inter-organ communication contributes to cardiovascular risk – basic science view
 Chair: *Claudia Goetsch*
- 10:30 - 11:00 Immun-vascular axis in atherosclerosis and MI
Sabine Steffens, LMU Munich
 - 11:00 – 11:30 Gut-vascular axis
Florian Kahles, RWTH Aachen
 - 11:30 – 12:00 Endothelial cell plasticity in cardiovascular disease
Simone-Franziska Glaser, Frankfurt University
- 12:00 - 13:00 Panel discussion – bridging basic and clinical science in atherosclerosis and heart failure.**
 Chair: *Daniel Dürschmied*
 Speakers of the spring school and AG4/ AG41 (co)speakers (Daniel Dürschmied, Philip Wenzel, Ingo Hilgendorf)
- 13:00 - 14:00 Lunch with scientific wrap-up and feedback/ Awards

Collegium Glashütten (Taunus)
 Wüstemser Str. 1, 61479 Glashütten

