

11:20 - 11:25 Discussion
11:25 - 11:45 Philipp von Hundelshausen, LMU, Munich, Germany
Interactions of chemokines with heterologous effectors in atherosclerosis

11:45 - 11:50 Discussion

Session VII: Non-classical risk factors for atherosclerosis I

Chairs: Susanna Hofmann & Konstantin Stark

11:50 - 12:10 Arthur Liesz, LMU, Munich, Germany
Impact of stroke on atherosclerosis progression

12:10 - 12:15 Discussion

12:15 - 12:35 Thorsten Kessler, DHM/TU, Munich, Germany
Genetics of coronary artery disease

12:35 - 12:40 Discussion

12:40 - 13:55 **Lunch**

Session VII: Non-classical risk factors for atherosclerosis II

Chairs: Susanna Hofmann & Konstantin Stark

13:55 - 14:15 Yaw Asare, LMU, Munich, Germany
Mechanisms linking HDAC9 to NLRP3 inflammasome activation in atherosclerosis

14:15 - 14:20 Discussion

14:20 - 14:40 Hendrik Sager, DHM/TU, Munich, Germany
Mechanisms of accelerated atherosclerosis

14:40 - 14:45 Discussion

14:45 - 15:05 Carlos Silvestre-Roig,
University of Muenster, Germany
Impact of hyperglycemia on atherosclerosis

15:05 - 15:10 Discussion

15:10 - 15:30 **Coffee break**

Session VIII: Imaging of CVD and beyond

Chairs: Remco Megens & Oliver Bruns

15:30 - 16:00 Vasilis Ntziachristos,
TU/Helmholtz Zentrum, Munich, Germany
Optoacoustic imaging in metabolic and cardiovascular diseases

16:00 - 16:10 Discussion

16:10 **Closing remarks & farewell**
Christian Weber

16:30 - 17:15 **General meeting**
(closed session for PIs)

Atherosclerosis – Mechanisms and novel therapeutic targets

International Symposium 2022



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Program

Monday, 10.10.2022

09:00 - 09:05	Welcome and opening remarks Christian Weber, Speaker of the CRC1123 (Munich, Germany)
Session I:	Metabolic alterations in atherosclerosis Chairs: Aphrodite Kapurniotu & Yaw Asare
09:05 - 09:25	Alexander Bartelt, LMU, Munich, Germany The role of adipocytes in cardiometabolic health
09:25 - 09:30	Discussion
09:30 - 09:50	Susanna Hofmann, LMU, Munich, Germany Polypharmacotherapy for treatment of metabolic alterations in atherosclerosis
09:50 - 09:55	Discussion
09:55 - 10:15	Jürgen Bernhagen, LMU, Munich, Germany MIFs in atherosclerosis and metabolism: novel functions and blocking strategies
10:15 - 10:20	Discussion
10:20 - 10:50	Coffee break
Session II:	Vascular cell functions in atherosclerosis Chairs: Maliheh Nazari-Jahantigh & Philipp von Hundelshausen
10:50 - 11:20	Jeffrey Kroon, University Medical Centers, Amsterdam, the Netherlands How does endothelial metabolic rewiring contribute to atherosclerosis?
11:20 - 11:30	Discussion
11:30 - 11:50	Lars Maegdefessel, TU, Munich, Germany The role of long noncoding RNAs in atherosclerosis
11:50 - 11:55	Discussion
11:55 - 12:15	Konstantin Stark, LMU, Munich, Germany The interplay of SMCs with macrophages in atherosclerosis
12:15 - 12:20	Discussion
12:20 - 12:30	Poster flash talks
	IRTG students & postdocs, selected posters
12:30 - 13:30	Lunch
13:30 - 14:30	Poster session
Session III:	Novel immune cell functions in atherosclerosis Chairs: Dorothee Atzler & Steffen Massberg
14:30 - 15:00	Claudia Monaco, University of Oxford, UK Functional heterogeneity of vascular macrophages in atherosclerosis
15:00 - 15:10	Discussion

15:10 - 15:30	Christian Schulz, LMU, Munich, Germany Role of embryo-derived macrophages in the arterial wall
15:30 - 15:35	Discussion
15:35 - 15:55	Yvonne Döring, University of Bern, Switzerland Role of ILCs in atherosclerosis
15:55 - 16:00	Discussion
16:00 - 16:20	Johan Duchene, LMU, Munich, Germany Erythrocytes in atherosclerosis
16:20 - 16:25	Discussion
16:25 - 16:55	Coffee break
Session IV:	Resolving inflammation in atherosclerosis Chairs: Yvonne Döring & Alexander Bartelt
16:55 - 17:15	Maliheh Nazari-Jahantigh, LMU, Munich, Germany Regulation of necrotic core formation by microRNAs
17:15 - 17:20	Discussion
17:20 - 17:40	Donato Santovito, LMU, Munich, Germany Endothelial role of autophagy in atherosclerosis
17:40 - 17:45	Discussion
17:45 - 18:05	Sabine Steffens, LMU, Munich, Germany Lipid mediators as a therapeutic target to resolve atherogenic inflammation
18:05 - 18:10	Discussion
From 18:30	Conference dinner Schlosswirtschaft Schwaige, Nymphenburg

Tuesday, 11.10.2022

Session V:	Adaptive immunity in atherosclerosis Chairs: Sabine Steffens & Sarajo Mohanta
09:00 - 09:30	Christoph Binder, Medical University of Vienna, Austria Humoral immunity and immune homeostasis in atherosclerosis
09:30 - 09:40	Discussion
09:40 - 10:00	Esther Lutgens, Mayo Clinic, USA Targeting immune checkpoints in atherosclerosis
10:00 - 10:05	Discussion
10:05 - 10:25	Dorothee Atzler, LMU, Munich, Germany Role of homoarginine in atherosclerosis
10:25 - 10:30	Discussion
10:30 - 11:00	Coffee break
Session VI:	Immunothrombosis Chairs: Valentina Paloschi & Axel Imhof
11:00 - 11:20	Leo Nicolai, LMU, Munich, Germany Novel insights in immune-responsive platelets