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Atherosclerosis – Mechanisms and Networks of Novel Therapeutic Targets



Annual Retreat
May 5 - 6, 2021
9am - 2pm

Picture: by Dr. Remco Megens

AHL2021_106



9:00

Welcoming note CRC1123

Speaker Christian Weber

Session 1

Projects A

- 09:10 - 09:30 **CCL17-CCR8 driven immune functions on group 2 innate lymphoid cells in atherosclerosis**
A01 *Christian Weber, LMU*
Yvonne Döring, LMU
- 09:30 - 09:50 **Amalgamation of chemokines with heterologous effectors in atherosclerosis**
A02 *Philipp von Hundelshausen, LMU*
Jürgen Bernhagen, LMU
- 09:50 - 10:10 **Distinct mechanisms of MIF network components in atherosclerosis and ligand/receptor-selective strategies for tailored intervention**
A03 *Jürgen Bernhagen, LMU*
Aphrodite Kapurniotu, TUM
- 10:10 - 10:40 Break
- 10:40 - 11:00 **Neuroendocrine control of atherogenesis**
A04 *Susanna Hofmann, LMU*
Timo Müller, Helmholtz Zentrum München
- 11:00 - 11:20 **Epigenetic regulation of T-cell activation via the PRC complex in atherosclerosis**
A05 *Esther Lutgens, LMU*
Dorothee Atzler, LMU
- 11:20 - 11:40 **NET-driven cytotoxicity in hyperglycemia-accelerated atherosclerosis**
A06 *Oliver Söhnlein, University of Münster*
Carlos Silvestre-Roig, University of Münster
- 11:40 - 12:10 Break
- 12:10 - 12:30 **Interplay of primed macrophages with smooth muscle cells in atherogenesis**
A07 *Konstantin Stark, LMU*
Christian Schulz, LMU
- 12:30 - 12:50 **Atypical role of red blood cells in atherosclerosis**
A10 *Johan Duchene, LMU*
Christian Weber, LMU
- 12:50 - 13:10 **Inflammation begets inflammation – impact of remote injuries on atherosclerosis progression**
C01 *Arthur Liesz, LMU*
Hendrik Sager, TUM
- 13:10 - 13:40 **Microscopic and nanoscopic imaging of atherosclerosis**
Z01 *Remco Megens, LMU*
Vasilis Ntziachristos, TUM
Saroj Mohanta, LMU

Session 2

Projects B

- 09:00 - 09:20 **Role of the coronary artery disease gene REST in atherosclerosis**
B02 *Heribert Schunkert, TUM*
Thorsten Kessler, TUM
- 09:20 - 09:40 **Mechanisms underlying the role of HDAC9 in atherosclerosis**
B03 *Martin Dichgans, LMU*
Yaw Asare, LMU
- 09:40 - 10:00 **miRNAs in atherosclerotic cell death and efferocytosis**
B04 *Andreas Schober, LMU*
Maliheh Nazari-Jahantigh, LMU
- 10:00 - 10:30 Break
- 10:30 - 10:50 **Regulatory role of non-coding RNAs and their homeostasis in autophagy-mediated progression of atherosclerosis**
B05 *Lars Maegdefessel, TUM*
Donato Santovito, LMU
- 10:50 - 11:10 **Platelet migration in atherosclerosis progression and plaque instability**
B06 *Leo Nicolai, LMU*
Steffen Massberg, LMU
- 11:10 - 11:30 **Targeting peripheral lipid signaling in atherosclerosis and metabolism**
B09 *Sabine Steffens, LMU*
Stefan Herzig, Helmholtz Zentrum München
- 11:30 - 12:00 Break
- 12:00 - 12:20 **SWIR imaging of Nfe2l1-linked adipose inflammation and atherogenesis**
B10 *Alexander Bartelt, LMU*
Oliver Bruns, Helmholtz Zentrum München
- 12:20 - 12:50 **Transcriptomic, proteomic and computational profiling in atherosclerosis**
Z02 *Axel Imhof, LMU*
Ralf Zimmer, LMU
Wolfgang Enard, LMU