



# XXIII LIPID MEETING LEIPZIG

Leipzig, Germany | December 13–15, 2023

[www.lipidmeeting.de](http://www.lipidmeeting.de)

## Program

### Wednesday, December 13, 2023

07:30–10:00 pm	Opening Ceremony at Bibliotheca Albertina
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### Thursday, December 14, 2023

08:30–10:00 am	<b>Plenary Session 1 - New insights into lipid metabolism</b> Chairs: U. Laufs & R. Burkhardt Room 1	
08:30–09:00 am	A. von Eckardstein: Transendothelial lipoproteintransport	
09:00–09:30 am	F. Kronenberg: Are Lp(a) particles pathogenic beyond their cholesterol content?	
09:30–10:00 am	J. Heeren: Effects of obesity on lipoproteins	
10:00–10:15 am	<b>Coffee Break</b>	
10:15–12:45 pm	Basic research	Translation and clinical application
10:15–11:20 am	WS 1: Neuronal control of metabo-vascular disease Chairs: S. Zimmermann & M. Gericke Room 1	WS 2: Effects of anticoagulants beyond hemostasis Chairs: C. Pfrepper & B. Isermann Room 2
10:15–10:20 am	K. Singh: Placental thrombo-inflammation reprograms embryonic renal macrophages and promotes anti-GBM disease in offspring	J.-W. Schreier: The role of Retinol Saturase in the modulation of endoplasmic reticulum stress
10:20–10:40 am	P. Olofsson: Reaching beyond innervation: mapping mechanisms of neural regulation of inflammation	T. Petzold: Longterm- immobility induced thromboprotection
10:40–11:00 am	J. Brüning: The nervous system, obesity and lipid metabolism	K. Shahzad: DOACs and vascular disease
11:00–11:20 am	D. Fitzner: Regional diversity of brain lipid composition in the context of cerebral ischemia	U. Rauch-Kröhnert: Pleiotropic Effects of the Protease-Activated Receptor 1 (PAR1) Inhibitor, Vorapaxar, on Atherosclerosis and Vascular Inflammation
11:20–11:40 am	<b>Short Break</b>	
11:40–12:45 pm	WS 3: Early mechanisms of obesity Chairs: S. Kohli & A. Zenclussen Room 1	WS 4: Innovative clinical aspects in CVD Chairs: U. Laufs & J. Bauersachs Room 2
11:40–11:45 am	M. Hanschkow: Ectopic ASIP expression as a cause of childhood obesity through possible interaction with the MC4R pathway	
11:45–12:05 pm	R. Ensenauer: Long-term effects of obesity in pregnancy on offspring	K. Kresoja: Artificial intelligence for precision medicine in cardiovascular disease – current and future aspects
12:05–12:25 pm	E. Mass: Maternal obesity promotes nonalcoholic fatty liver disease in offspring via developmental programming of macrophages	S. Steiner: Interventional angiology
12:25–12:45 pm	S. Ozanne: In utero priming of diabetes	M. Scholz: Genome-wide meta-analysis of phytosterols reveals novel loci and a detrimental effect on coronary atherosclerosis
12:45–02:30 pm	<b>Lunch Break</b> <i>(Daiichi-Sankyo Lunchsymposium - 01:25-02:25 pm)</i>	<b>Lunch Break</b> <i>(Novartis Lunchsymposium - 01:25-02:25 pm)</i>
02:30–04:00 pm	<b>Plenary Session 2 - Endothelial cells and inflammation as CVD drivers</b> Chairs: A. Fischer & T. Chavakis Room 1	
02:30–03:00 pm	J. Kalucka: Endothelial cells inflammation and underlying metabolic rewiring	
03:00–03:30 pm	A. Kusumbe: Bone marrow endothelial cells in health, age and disease	
03:30–04:00 pm	P. Libby: Targeting Inflammation in Atherosclerosis	
04:00–04:30 pm	<b>Coffee Break</b>	
04:30–05:10 pm	WS 5: Role and function of the microvasculature Chairs: K. Shahzad & S. Steiner Room 1	WS 6: Innovative therapeutic approaches in CVD Chairs: H. Thiele & R. Wachter Room 2
04:30–04:50 pm	A. Randi: Transcriptional mechanism of microvasculature disease	J.-N. Boeckel: Non-coding RNAs in cardiovascular diseases
04:50–05:10 pm	R. Adams: Heterogeneity and functional specialization of blood vessels in bone	B. Sheikh: Molecular effects of Bempedoic acid
05:10–06:25 pm	<b>Poster Session</b> Chairs: R. Biemann, M. Heinemann, K. Shahzad, S. Zimmermann	



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Friday, December 15, 2023		
09:00–10:00 am	WS 7: Lipids & immune cells in atherosclerosis Chairs: U. Ceglarek & R. Burkhardt Room 1	WS 8: Non-canonical drivers of CVD Chairs: M. Stumvoll   J.-N. Boeckel Room 2
09:00–09:20 am	W. J. Griffiths: Cholesterol metabolism: from lipidomics to immunology	N. Wilck: Gut microbial community dynamics and CV diseases
09:20–09:40 am	A. Zernecke-Madsen: snRNAseq: Inflammatory cells	L. Zelarayán: Heart failure - new genetic therapeutic options
09:40–10:00 am	I. Fleming: Lipid mediators in vascular stability and cardiac function	J. Manoharan: A new Thromboinflammation Nexus: Tissue Factor - mediated Immune Crosstalk
10:00–10:30 pm	<b>Coffee Break</b>	
10:30–11:30 am	<b>Plenary Session 3 - Metabolic fingerprints for patient stratifications</b> Chairs: A. Körner & M. Blüher Room 1	
10:30–10:50 am	J. Steinfeldt: Metabolomic profiles predict individual multidisease outcomes	
10:50–11:10 am	M. Rydén: A spatial map of human adipose tissue in health and disease	
11:10–11:30 am	A. Pospisilik: New human obesity subphenotypes	
11:30–01:00 pm	<b>Lunch Break</b> <i>(Sanofi Lunchsymposium - 11:30-12:30 pm)</i>	
01:00–02:25 pm	WS 9: New functions of platelets in CVD Chairs: S. Kohli & S. Petros Room 1	WS 10: New mechanisms of obesity Chairs: A. Körner & M. Keller Room 2
01:00–01:05 pm	C. Mäder: IL-1 $\alpha$ is myristoylated for monocyte surface translocation and promotes atherosclerosis in mice	A. S. Jung: Regulation of adipocyte insulin receptor stability by the novel adaptor protein SHB
01:05–01:25 pm	J. Rayes: Platelet and neutrophil extracellular traps in vascular inflammation	S. Ussar: Adipose tissue as target for future therapies of metabolic diseases
01:25–01:45 pm	S. Massberg: Neutrophil plucking on megakaryocytes boosts platelets in CVD	R. Biemann: Inflammation of adipose tissue
01:45–02:05 pm	J. Crawley: Platelet dependent NETosis under flow	R. Loos: Novel obesogens
02:05–02:25 pm	C. Deppermann: Platelets in liver disease	M. Blüher: New molecular mechanisms of obesity