



European Lipoprotein Club

48th Annual Scientific Meeting

September 8-11, 2025

Evangelische Akademie

Tutzing, Germany

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Monday September 8

12:00-13:30 **Arrival, registration, & lunch**

13:30 - 14:00 **Welcome address**
Alexander Bartelt, Munich, Germany

Session A: Hepatic metabolism & steatosis

Chairperson: Leanne Hodson, Oxford, United Kingdom

14:00 - 14:30 **Invited speaker: Ana Paula Arruda, USA**
The role of endoplasmic reticulum architecture in the regulation of hepatic lipid metabolism

14:30 - 14:45 **1. Ottavia Terenghi, Milan, Italy***
Angiopoietin-like 3 (ANGPTL3) deficiency alters hepatic metabolism and promotes substrate rerouting

14:45 - 15:00 **2. Cristy Verzijl, Groningen, the Netherlands***
Understanding sex-dependent hepatic cholesterol handling by studying the lysosomal proteome and interactome

15:00 - 15:15 **3. Katharina Künzel, Copenhagen, Denmark***
Arachidonoyl-taurine protects from diet-induced hepatic steatosis and inflammation

15:15 - 15:30 **4. Martina Colognesi, Padova, Italy***
Functional characterization of genetic variants affecting the intracellular domains of ABCA1

15:30 - 17:00 **Coffee, Cake, and Posters I (No. 1-12)**

Session B: EAS Young Fellows

Chairperson: Fabrizia Bonacina, Milan, Italy

17:00 - 17:15 **5. Jiao Luo, Copenhagen, Denmark***
Novel causal insights of atherogenic lipoproteins for risk of dementia - potential for efficient prevention and improved brain health

17:15 - 17:30 **6. Anastasia Blokhina, Zurich, Switzerland***
Genetic and metabolic factors of familial dysbetalipoproteinemia phenotype: insights from the cross-sectional study

17:30 - 17:45 **7. Marion Mussbacher, Graz, Austria**
Platelets accelerate endoplasmic reticulum stress and promote hepatic steatosis

17:45 - 18:00 **8. Liv Tybjærg Nordestgaard, Bristol, United Kingdom**
Cholesterol-lowering drug targets reduce risk of dementia: mendelian randomization of 1 million individuals

18:00-18:20 **Industry sponsor flash talks**

18:20-19:30 **Dinner**

19:30 – 20:30 **Keynote Lecture**

Chairperson: Alexander Bartelt, Munich, Germany

Philipp Scherer, Dallas, United States of America

The Expanding World of Adipose Tissue:
Functionality and Metabolic Health

20:30 – 24:00 **Bar open**

Tuesday September 9

07:30 - 08:30 **Breakfast**

Session C: Adipose tissue

Chairperson: Wilfried Le Goff, Paris, France

08:30-09:00 **Invited speaker Antje Körner, Leipzig, Germany**

Human obesity: Adipogenic Hits on Kids

09:00-09:15 **9. Elisabeth Ableitner, Graz, Austria***

Adipocyte lipolysis as a driver of atherosclerosis in mice

09:15-09:30 **10. Anna Jung, Munich, Germany***

The new SHB complex regulates insulin receptor stability and adipocyte metabolism

09:30-09:45 **11. Canelle Reydellet, Paris, France***

Critical role of adipocyte ABCG1 expression in adipose tissue remodeling and progression of insulin resistance during diet-induced obesity

09:45-10:00 **12. Eija Laakkonen, Jyväskylä, Finland**

Hormones and Cardiometabolic Health (HoCa) study: Modelling Menopause-Induced Metabolic Changes in Adipose Organoids

10:00 - 11:30 **Coffee break, Cake and Posters II (No. 13-28)**

Session D: Brown Adipose Tissue

Chairperson: Renate Schreiber, Graz, Austria

11:30 - 11:45 **13. Min Mao, Munich, Germany***

Ubiquitin-proteasome system failure induces beta-catenin activation leading to impaired adipogenesis and lipodystrophy

11:45-12:00 **14. Janina Behrens, Hamburg, Germany***

Interplay of lipid and ketone body metabolism in activated brown adipose tissue

12:00-12:15 **15. Theresa Auer, Munich, Germany***

Coordination of muscle and brown fat development by Nfe2l1 in Myf5+ progenitors

12:15-12:30 **16. Ludger Scheja, Hamburg, Germany**

Dynamics of brown adipocyte subtypes in murine brown adipose tissue uncovered by single-nucleus RNA-seq

12:30-13:30 **Lunch**

13:30-16:00 **Networking & OC meeting**

Session E: Lipids & lipoproteins

Chairperson: Bart van de Sluis, Groningen, the Netherlands

16:00-16:30

Invited speaker: Oliver Bruns, Dresden, Germany

New techniques for non-invasive lipid and lipoprotein imaging

16:30 – 16:45

17. Rom Keshet, Ramat Gan, Israel

Identification and Characterization of Tumor-Associated LDL (tLDL)

16:45-17:00

18. Melina Musfeldt, Hamburg, Germany*

The Impact of Lactate Dehydrogenase A on Low-Density Lipoprotein Metabolism

17:00-17:15

19. Ivan Bradic, Odense, Denmark*

Steroid signaling inhibition drives NPC1-independent lysosomal cholesterol export

17:15-17:30

20. Sarah Ali, Paris, France*

Intracellular remodeling of LDL-derived ceramides as a key regulator of muscle insulin resistance

17:30-17:45

21. Amandine Vanduyse Paris, France*

miR-100-5p contributes to interindividual variability of postprandial triglyceride response by targeting PCSK9

17:45-18:00

22. Jan-Albert Kuivenhoven, Groningen, the Netherlands

Dual targeting of hepatic GPR146 and ANGPTL3 as a novel strategy to treat homozygous familial hypercholesterolemia

18:00 - 19:00

Dinner

19:00 – 21:00

Wine & Posters III (No. 29-49)

21:00 – 24:00

Bar open

Wednesday September 10

07:30 - 09:00 **Breakfast**

Session F: CVD: Mechanisms

Chairperson: Noam Zelcer, Amsterdam, the Netherlands

09:00 - 09:30 **Invited speaker: Claudia Monaco, Oxford, UK**
Decoding macrophage heterogeneity in atherosclerosis

09:30 - 09:45 **23. Dominique Guerrini, Paris, France***
Exploring the involvement of macrophage phosphatidylethanolamine in obesity-associated metaflammation

09:45 - 10:00 **24. Simone Bini, Rome, Italy***
ANGPTL3 and PCSK9 levels regulate the cellular switch between lipolysis and lipogenesis through STAT3

10:00 - 10:15 **25. Aldo Grefhorst, Amsterdam, the Netherlands**
Triglycerides are present in bile and stimulate gall stone formation

10:15 - 10:30 **26. Cedric Le May, Nantes, France**
The E97G variant of hepatic lipase enhances the antiatherogenic effect of evinacumab in Ldlr^{-/-} mice and does not affect energy homeostasis in C57BL6/J mice

10:30 - 11:30 **Coffee break**

Session G: CVD: Risks

Chairperson: Núria Amigó, Reus, Spain

11:30 - 11:45 **27. Ruth Frikke-Schmidt, Copenhagen, Denmark**
Small for gestational age and lipid parameters during the first 14-16 months of life

11:45 - 12:00 **28. Jennifer Härdfeldt, Stockholm, Sweden**
Exogenous Sex Hormone Manipulation Modulates PCSK9 and Lipid Profiles in Cisgender and Transgender Individuals

12:00 - 12:15 **29. Rikke Mohr Lytsen, Copenhagen, Denmark***
Association of HDL Cholesterol, Apolipoprotein E and A1 Concentrations with Fetal Growth, Maturation, and Placental Insufficiency

12:15 - 12:30 **30. Sebastià Alcover, Graz, Austria***
Examining the impact of EPA ω -3 fatty acid supplementation on mortality and cardiac damage in the setting of myocardial infarction: benefits beyond triglyceride reduction

12:30 - 13:30 **Lunch**

Session H: CVD: Therapy

Chairperson: Pirka-Pekka Laurila, Helsinki, Finland

*Eligible for Young Investigator Award

13:30 - 13:45	31. Ilaria Micallo, Amsterdam, the Netherlands* Towards the therapeutical targeting of the S1P-SPRING axis
13:45 - 14:00	32. Viktoria Juhasz, Vienna, Austria Targeting APRIL reduces circulating triglyceride levels
14:00 - 14:15	33. Ariana Moretti, Milan, Italy* Engineered human CD34+ hematopoietic stem cells as an innovative approach to modulate the immunoinflammatory response during atherosclerosis.
14:15 - 14:30	34. Lisaidy Ramos Regalado, Barcelona, Spain* Healthy bone marrow transplantation restores lipid metabolism and enhances cardiac healing after myocardial infarction in hypertriglyceridemic rats
14:30 - 15:30	General Assembly <i>Chairpersons: Alexander Bartelt, Nicola Ferri, & Katariina Öörni</i>
15:30 - 17:30	Networking
17:30 – 23:00	Social event & Young Investigator Awards
23:00 – late	Bar open

Thursday September 11

07:30 - 09:30 **Breakfast**

09:30 – 12:00 **Departure**