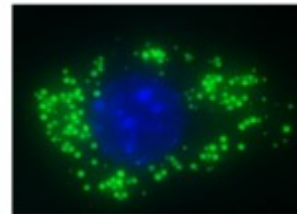


**The Finnish Atherosclerosis Society
16th Annual Conference
May 11-12, 2023**

PROGRAMME



SPONSORS



Thursday May 11, 2023

13:00-14:00 Registration and coffee

14:00-14:05 Opening of the meeting: Vesa Oikkonen

SESSION I: Genetics of lipid disorders

Chairs: Maria Maleeha and Anna-Kaisa Ruotsalainen

14:05-14:35 Samuli Ripatti (FIMM, Helsinki): *'Genetic influences in detailed lipid profiles and their role in cardiometabolic disease risk'*

14:35-14:50 Joanna Ciantar: *Difference in DNA methylation profiles between East and West Finns*

14:50-15:05 Maria Maleeha: *Genotype by genotype (g×g) interaction analysis in the UKBiobank CAD*

15:05-15:20 Mohammad M. Islam: *Functional analysis of LDLR variants using automated systems to improve rare-variant association studies*

15:20-15:50 Coffee break

SESSION II: Energy metabolism and lipids

Chairs: Martin Hermansson and Simon Pfisterer

15:50-16:20 Kirsi Pietiläinen (University of Helsinki): *'Adipose tissue dysfunction in obesity'*

16:20-16:35 Emilia Lähteenmäki: *HDL subclasses modulate energy metabolism in skeletal muscle cells*

16:35-16:50 Uma Thanigai Arasu: *Adipose tissue exposed to high fat diet affects extracellular matrix genes in the mesenchymal stem cell population*

16:50-17:05 Helena Gylling: *Impact of high cholesterol absorption on the ASCVD risk*

17:05-17:20 Break

17:20-18:00 Chris Packard (Glasgow University, UK): *'Triglyceride-rich lipoproteins : a new horizon in cardiovascular disease'*

18:00-19:30 Board meeting

19:30 Conference dinner

Friday, May 12

9:00-10:00 Annual meeting of the Society

SESSION III: Lipids and cardiovascular disease

Chairs: Iryna Hlushchenko and Eija Nissilä

10:00-10:15 *Petrus Nuotio: Both dietary alpha-linolenic and linoleic acids lower serum lipoprotein(a) concentration*

10:15-10:30 *Diana Törmä: Coronary microvascular dysfunction in a mouse model of heart failure with preserved ejection fraction – new mechanisms and therapeutic targets*

10:30-10:45 *Lauri Äikäs: Icosapent ethyl dietary supplement in normo-lipidemic subjects rapidly reduces cardiovascular disease risk markers and improves plasma and lipoprotein lipidome reducing their atherogenicity*

10:45-11:00 *Sonja Rajic: Regulation of nc886 RNAs is associated with cardiometabolic risk factors, death and stroke*

11:00-11:30 Coffee break

11:30-12:00 *Anne Langsted (University of Copenhagen, Denmark): ‘Remnant cholesterol and cardiovascular risk’*

12:00-12:15 *Sanna Kettunen: Deletion of the murine equivalent of the 9p21.3 risk locus leads to metabolic phenotype in hyperlipidemic mice*

12:15-12:30 *Iryna Hlushchenko: Linking biological variation to outcomes of statin treatment in the general population*

SESSION IV: New angles to the etiology of cardiovascular disease

Chairs: Markus Ojanen and Minna Kaikkonen-Määttä

12:30-12:45 *M. Manzoor: Metagenome-wide association study of oral microbiome features in young-onset cryptogenic ischemic stroke*

12:45-13:00 *Jouni Rantanen: SomaLogic*

13:00-14:00 LUNCH

14:00-14:15 *Markus Ojanen: Bacteria-specific virus-like particle conjugate vaccine in prevention of cardiovascular diseases*

14:15-14:30 *Eija Nissilä: Antibodies against Streptococcus pneumoniae pneumolysin correlate with modified HDL levels and complement activation markers in atherosclerosis*

14:30-14:45 *Siiri Suominen: Liver-on-a-chip: Development of patient-specific liver models utilizing iPSCs and novel microfluidic chip devices*

14:45-15:00 *Mishra Pashupati: Genetic risk score for human serum lipidome and its association with high carotid intima media thickness and coronary artery disease*

15:00-15:15 *Redouane Aherrahrou- Genetic regulation of atherosclerosis-relevant phenotypes and gene expression in human vascular smooth muscle cells (SMCs)*

15:15-15:30 Young investigator awards and closing remarks

15:30-16:00 *COFFEE and farewell*