



41st European Lipoprotein Club meeting September 10th to 13th, 2018

Monday afternoon, Sep 10	
16.00 - 18.00	Arrival and Registration
18.00 - 20.00	Dinner
Monday evening, Sep 10	
20.00 - 20.05	Patrick Rensen (Leiden, The Netherlands) Welcome and introduction of Keynote Lecturer
20.05 - 21.00	Keynote lecturer: Gerald Watts (Crawley, Australia) Go with the flow: unravelling lipoprotein metabolism with isotopes
Tuesday morning, Sep 11	
Session 1: Chairperson:	Circulation Ruth Frikke-Schmidt (Copenhagen, Denmark)
8.30 - 9.10	Invited speaker: Kausik Ray (London, UK) Utilising the net benefit approach to selecting add on lipid modification therapy
9.10 - 9.30	George Liu (Beijing, China) Gene-targeted hamsters: generation of human-like small rodent models for study on dyslipidemia and coronary atherosclerosis
9.30 - 9.50	Amber Ouweneel (Leiden, The Netherlands) Scavenger receptor BI deficiency alters megakaryopoiesis and platelet production in mice by elevation of HDL cholesterol
9.50 - 10.10	Isabelle Guillas (Paris, France) Purification and multi-omics characterization of human pre-beta-HDL reveals a specific proteomic and lipidomic signature relevant to biological activities
10.10 - 10.30	Mustafa Yalcinkaya (Zurich, Switzerland) HDL inhibits ER stress-induced apoptosis of pancreatic beta cells by interaction with Smoothed
10.30 - 11.00	Coffee Break

Session 2: Chairperson:	Surface Thorsten Hornemann (Zurich, Switzerland)
11.00 - 11.40	Invited speaker: Christoph Binder (Vienna, Austria) Functional role of microvesicles carrying oxidation-specific epitopes in CVD
11.40 - 12.00	Michael Ploug (Copenhagen, Denmark) A disordered acidic domain in GPIHBP1 harbouring a novel sulfated tyrosine regulates lipoprotein lipase
12.00 - 12.20	Arnold von Eckardstein (Zurich, Switzerland) Differential and antagonistic regulation of transendothelial transport of HDL and LDL by sphingosine-1-phosphate receptors 1 and 3
12.20 - 12.40	Christina Christoffersen (Copenhagen, Denmark) The apolipoprotein M/S1P axis controls triglyceride metabolism and brown fat activity

Tuesday afternoon, Sep 11	
12.40 - 13.40	Lunch
14.00 - 16.00	Free afternoon, networking
16.00 - 18.00	Wine and Science
18.00 - 19.00	Dinner

Tuesday evening, Sep 11	
Session 3: Chairpersons:	Gut Dagmar Kratky (Graz, Austria)
19.00 - 19.20	Melanie Korbilius (Graz, Austria) ATGL/CGI-58-dependent hydrolysis of a lipid storage pool in enterocytes
19.20 - 19.40	Daniel Sanchez-Lopez (Lille, France) Regulation of intestinal ApoB-TRL secretion by the nuclear receptor Rev-Erb α
19.40 - 20.00	Vinay Sachdev (Graz, Austria) Ileal FGF15 mediates bile acid metabolism in LAL-deficient mice
20.00 - 20.20	Zhuang Li (Leiden, The Netherlands) Gut microbiota play a key role in the induction of beneficial effects of butyrate on host energy metabolism
20.20 - 20.40	Tarek Moustafa (Graz, Austria) Targeting host and microbial choline metabolism by a semi-synthetic bile acid suppresses TMA/TMAO formation and ameliorates atherosclerosis and NASH in mice

Wednesday morning, Sep 12

Session 4:
Chairpersons:

Fat
Kati Öörni (Helsinki, Finland), Ludger Scheja (Hamburg, Germany)

8.30 - 9.10	Invited speaker: Jan van Deursen (Rochester, USA) Senescent cells: an emerging target for atherogenic disease
9.10 - 9.30	Vinay Sachdev (Graz, Austria) presenting the abstract of Madalina Duta-Mare (Graz, Austria) Lysosomal acid lipase regulates fatty acid channelling in brown adipose tissue to maintain thermogenesis
9.30 - 9.50	Markus Heine (Hamburg, Germany) Lipolysis triggers a systemic insulin response essential for efficient energy replenishment of activated brown adipose tissue in mice
9.50 - 10.10	Enchen Zhou (Leiden, The Netherlands) Bile acid sequestrant colesevelam enhances beneficial effects of brown fat activation on cholesterol metabolism and atherosclerosis development in APOE*3-Leiden.CETP mice
10.10 - 10.30	Ioannis Evangelakos (Hamburg, Germany) Role of the alternative pathway-derived bile acids in lipid metabolism
10.30 - 11.00	Coffee Break
11.00 - 11.20	Maaïke Schilperoort (Leiden, The Netherlands) GPR120 agonism promotes metabolic health by stimulating calcium-dependent mitochondrial respiration in brown fat
11.20 - 11.40	Gudrun Liebscher (Innsbruck, Austria) The LAMTOR-complex in regulation of fat metabolism
11.40 - 12.00	Wietse In het Panhuis (Leiden, The Netherlands) Time-restricted feeding is a promising strategy to alleviate effects of circadian rhythm disturbances on atherosclerosis
12.00 - 12.40	ELC status and general discussion
12.40 - 13.40	Lunch

Wednesday afternoon, Sep 12

Session 5: Genetics & Lifestyle

Chairperson: Jan-Albert Kuivenhoven (Groningen, The Netherlands)

14.00 - 14.40	Invited speaker: Catherine Boileau (Paris, France) Genetic and molecular architecture of familial hypercholesterolemia
14.40 - 15.00	Antoine Rimbart (Groningen, The Netherlands) Genetics, Lifestyle, and Low-Density Lipoprotein Cholesterol in Young and Apparently Healthy People
15.00 - 15.20	Alejandro Gugliucci (Vallejo, USA) Improved lipid profiles and de novo lipogenesis after fructose restriction in adolescents correlate with D-lactate changes: a new link between fructose and dyslipoproteinemia?
15.20 - 15.40	Dorina Ibi (Leiden, The Netherlands) Genome-wide association study on triglyceride response identifies genetic variation in the lipoprotein lipase (LPL) gene
15.40 - 16.00	Lisanne Blauw (Leiden, The Netherlands) Circulating CETP causally decreases large HDL and increases small VLDL without affecting LDL
16.00 - 16.30	Coffee Break

Session 6: Liver

Chairperson: Laurent Martinez (Toulouse, France)

16.30 - 16.50	Hanna Ruhanen (Helsinki, Finland) Angptl3 depletion alters lipid profile and metabolism of human hepatocytes
16.50 - 17.10	Philip Ruppert (Wageningen, The Netherlands) Transcriptional profiling of <i>Ppara</i> ^{-/-} and <i>Creb3l3</i> ^{-/-} livers reveals disparate regulation of hepatoproliferative and metabolic functions of PPAR α
17.10 - 17.30	Christina Leopold (Graz, Austria) Hepatic lysosomal acid lipase protects from diet-induced obesity but promotes liver fibrosis and inflammation
17.30 - 17.50	Roelof Smit (Leiden, The Netherlands) No evidence for a causal association between liver fat and (sub)clinical disease outcomes, including insulin resistance, type 2 diabetes, and coronary artery disease
18.40 and 19.00	Bus transfer from Evangelische Akademie to Social Event

Thursday morning, Sep 13

Session 7: **Brain**
Chairperson: Nicola Ferri (Padova, Italy)

9.00 - 9.40	Invited speaker: Joachim Herz (Dallas, USA) Roles of lipoprotein receptors in neurodegenerative diseases
9.40 - 10.00	Ida Juul Rasmussen (Copenhagen, Denmark) Blood-brain barrier transcytosis genes, risk of dementia and cerebrovascular disease -a study of 74,754 individuals
10.00 - 10.20	Liv Tybjærg Nordestgaard (Copenhagen, Denmark) Genetic variation in clusterin and risk of dementia and ischemic vascular disease in the general population - cohort studies and meta-analyses of 362,338 individuals
10.20 - 10.50	Coffee Break
10.50 - 11.10	Young Investigator Awards

Session 8: **Cell**
Chairperson: Stefan Nilsson (Umea, Sweden)

11.10 - 11.30	Monica Gomaschi (Milan, Italy) Fatty acid accumulation impairs LAL activity in vitro and in vivo: rescue by PPAR-alpha activation
11.30 - 11.50	Sander Kersten (Wageningen, The Netherlands) Angiopoietin-like 4 promotes the intracellular cleavage of lipoprotein lipase by furin in adipocytes
11.50 - 12.10	Alexander Bartelt (Boston, USA) Nfe2l1-mediated proteasomal activity promotes white adipocyte health and protects from insulin resistance in mice and humans
12.10 - 12.30	Noam Zelcer (Amsterdam, The Netherlands) Inactivation of the E3 ubiquitin ligase IDOL protects mice from diet-induced obesity and metabolic dysfunction
12.30 - 13.30	Farewell, Lunch, Departure