Finnish Atherosclerosis Society
Suomen Ateroskleroosiyhdistys ry

10th Annual Meeting in Helsinki

Place: Biomedicum, Haartmaninkatu 8, Helsinki
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Program

Friday 18.3.

12:30-13:00 Registration + Coffee

13:00-13:10 Opening words
Anna-Liisa Levonen

13:10-13:50 Heterogeneity of NAFLD: Implications for cardiovascular disease
Hannele Yki-Järvinen, Professor, MD, FRCP
Professor of Medicine, University of Helsinki, Helsinki

Session I
Pathogenic processes within the arterial wall
Chairs: Annukka Kivelä and Anna-Kaisa Ruotsalainen

13:50-14:10 Unstable LDL – novel mechanism of atherogenesis and link to cardiovascular death
Maija Ruuth, Wihuri Research Institute, Helsinki

14:10-14:30 The role of NRF2 in bone marrow –derived macrophages in atherosclerosis
Virve Sihvola, University of Eastern Finland, Kuopio

14:30-14:50 Extracellular lipid in aortic stenosis and atherosclerosis
Satu Lehti, Wihuri Research Institute, Helsinki

14:50-15:10 Neutral proteases released from activated human mast cells generate LDL particles with athero-inflammatory properties
Katariina Maaninka, Wihuri Research Institute, Helsinki

15:10-15:30 Carboxyl-terminal cleavage of apolipoprotein A-I by human mast cell chymase impairs its anti-inflammatory properties
Su Nguyen, Wihuri Research Institute, Helsinki

15:30-15:50 Coffee

15:50-16:00 Annual meeting of the Finnish Atherosclerosis Society (in Finnish, only for society members)
Session II

Novel insight into biomarkers and risk factors of atherosclerosis

Chairs: Satu Lehti and Jani Saksi

16:50-17:00  
Sponsor takes the floor:  
**Evolocumab - PCSK9 inhibitor - new opportunity for high risk patients**  
Päivi Lakkakorpi, AMGEN

17:00-17:20  
**Apical periodontitis and coronary heart disease**  
John Liljestrand, University of Helsinki and Helsinki University Hospital, Helsinki

17:20-17:40  
**Serum and saliva MMP-9, MMP-8 & MPO in coronary artery disease and periodontitis – the effect of periodontal disease to cardiovascular diagnostics**  
Laura Lahdentautsa, University of Helsinki, Helsinki

17:40-18:00  
**Mechanisms behind ANGPTL3-deficiency induced hypolipidemia**  
Anna Tikka, National Institute for Health and Welfare, Helsinki

18:00-18:20  
**NRF2 deficiency improves hepatic mitochondrial function and alleviates hepatic steatosis in LDL-receptor deficient mice**  
Anna-Kaisa Ruotsalainen, University of Eastern Finland, Kuopio

18:20-18:40  
**Evaluation of novel apoA-I two-site immunoassays**  
Janita Lövgren, University of Turku, Turku

18:40-19:00  
**Study of anti-human apoB-100 monoclonal antibody – lipoprotein interactions with two complementary techniques: partial filling affinity capillary electrophoresis with adsorption energy distribution calculations and quartz crystal microbalance**  
Evgen Multia, University of Helsinki, Helsinki

19:30-  
**Dinner at Restaurant Kuusihokki (Ravintola 11), Pihlajatie 34, 00270 Helsinki (about 700 m from Biomedicum, 10 min walk)**
Saturday 19.3.

Session III
Genetics and epidemiology of atherosclerosis
Chairs: Peter Würtz and Pirkka-Pekka Laurila

9:00-9:20   Genotype and tissue dependent association between n-6 PUFA and inflammation
            Maria Lankinen, University of Eastern Finland, Kuopio

9:20-9:40   Childhood physical, environmental and genetic predictors of adult dyslipidemia: The Cardiovascular Risk in Young Finns Study
            Joel Nuotio, University of Turku, Turku

9:40-10:00  Adverse cardiometabolic profile in Eastern Finland? East-West differences in CHD markers 1980–2011
            Lauri Vähämurto, University of Turku, Turku

10:00-10:20 Bacterial Signatures in Symptomatic Atherosclerotic Plaques
            Pekka Karhunen, University of Tampere, Tampere

10:20-10:40 Coffee

10:40-11:00 Comprehensive metabolic profiling of statin therapy: longitudinal evidence and Mendelian randomization
            Peter Würtz, University of Oulu, Oulu

11:00-11:20 Effects of atorvastatin and diet interventions on atherosclerotic plaque inflammation and [18F]FDG uptake in LDLR-/ApoB100/100 mice
            Sanna Hellberg, University of Turku, Turku

11:20-11:40 Tobacco smoke exposure and epigenetic switches
            Ismo Hänninen, University of Tampere, Tampere

11:40-12:00 Outcomes of a two-year intervention study on body weight and metabolic syndrome in obese subjects randomized to web-based health behavior change support system versus group lifestyle counseling (PrevMetSyn trial)
            Tuire Salonurmi, University of Oulu, Oulu

12:00-12:05 Closing words
            Anna-Liisa Levonen

12:15-      Lunch and have a safe trip back home