



**Finnish Atherosclerosis Society
Suomen Ateroskleroosiyhdistys ry**

10th Annual Meeting in Helsinki



Time: 18.–19.3.2016

Place: Biomedicum, Haartmaninkatu 8, Helsinki

**Finnish Atherosclerosis Society/Suomen Ateroskleroosiyhdistys ry/Finlands Aterosklerosförening rf
10th Annual Meeting in Helsinki**

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Place: Biomedicum, Lecture hall 3, Haartmaninkatu 8, Helsinki

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**

15:50-16:50 **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 Lahdentausta, 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**