

**Finnish Atherosclerosis Society / Suomen Ateroskleroosiyhdistys ry
8th Annual Meeting in Helsinki**

Time: 14.-15.3.2014

Place: Biomedicum, Haartmaninkatu 8, Helsinki

Program

Friday 14.3.

- 12:30-13:00 **Registration + Coffee**
- 13:00-13:45 **Opening words**
Matti Jauhiainen
- Diagnosis, management and the genetic architecture of Familial
Hypercholesterolaemia**
*Marta Futema, Cardiovascular Genetics,
University College London, UK*
- Session I
 Varia
 Chairs: *Anna-Liisa Levonen and Vesa Olkkonen*
- 13:45-14.00 **Identification and Analysis of HDL Binding Recombinant
Antibodies from Synthetic scFv-antibody Library**
Priyanka Negi, Department of Biotechnology, University of Turku
- 14:00-14:15 **Dehydroepiandrostrone Fatty Acyl Esters in HDL: Influence on
Phosphorylation of Endothelial Nitric Oxide Synthase in Human
Endothelial Cells**
*Veera Vihma, Folkhälsan Research Center; Department of Medicine,
University of Helsinki; Division of Cardiology, Helsinki University Central
Hospital*
- 14.15-14:30 **Endoplasmic reticulum stress and Angiotensin II type 1 receptor
expression**
*Michael Backlund, Department of Medicine, University of Helsinki and
Helsinki University Central Hospital*
- 14:30-14:45 **iPS cell derived hepatocytes as a model to identify new biomarkers
for atherosclerosis**
Mostafa Kiamehr, Heart Group, BioMediTech, University of Tampere
- 14:45-15:00 **Bone marrow MSCs immunosuppressive capacity decreases
during expansion and is reflected by important changes in the
membrane lipid composition**
*Lotta Kilpinen, Advanced Therapies & Product Development, Finnish
Red Cross Blood Service, Helsinki*

- 15:00-15:30 **Coffee**
- Session II
 Genetics and functional studies
 Chairs: *Katariina Öörni and Matti Jauhiainen*
- 15:30-15:45 **The effect of lipid levels on adenoviral gene therapy**
Annikka Kivelä, Department of Biotechnology and Molecular Medicine, A.I. Virtanen Institute for Molecular Sciences, University of Eastern Finland, Kuopio
- 15:45-16:00 **Preliminary results from genome-wide association study of 19 different circulating cytokines - The Cardiovascular Risk in Young Finns Study and Finrisk97 Study**
Ari Ahola-Olli, Research Centre of Applied and Preventive Cardiovascular Medicine, University of Turku, Turku
- 16:00-16:15 **Characterization of a common gene regulatory protein**
Pirkka-Pekka Laurila, National Institute for Health and Welfare, Helsinki
- 16:15-16:30 **VEGF-B-induced vascular growth leads to metabolic reprogramming and ischemia resistance in the heart**
Riikka Kivelä, Wihuri Research Institute, Helsinki
- 16:30-16:45 **The susceptibility of LDL for aggregation depends on LDL lipid composition**
Maija Ruuth, Wihuri Research Institute, Helsinki
- 16:45-17:00 **Apolipoprotein A-I mimetic peptide 4F blocks sphingomyelinase-induced LDL aggregation: Interaction of the amphipathic helical peptide with LDL particles**
Su Nguyen, Wihuri Research Institute, Helsinki
- 17:00-17:15 **Insulin sensitizer rosiglitazone reduces hepatic angiopoietin-like 3 (Angptl3) and VLDL synthesis and secretion**
Anna Tikka, National Institute for Health and Welfare, Helsinki
- 17:15-17:30 **Regulation of Angiopoietin-like proteins (ANGPTLs), 3 and 8 by insulin in vivo and in cultured cells**
Nidhina Haridas, Minerva Foundation Institute for Medical Research, Helsinki
- 17:30-17:45 **The low-expression variant of fatty acid-binding protein 4 favors reduced manifestations of atherosclerotic disease and increased plaque stability**
Jani Saksi, Research Programs Unit, Molecular Neurology, Biomedicum Helsinki, University of Helsinki
- 18:00-19:00 Suomen Ateroskleroosiyhdistys ry:n 8. sääntömääräinen vuosikokous
- 19:00-22:00 **Dinner in Biomedicum**

Saturday 17.3.

- 8:30-9:15 **Should we consider objectively measured physical activity together with aerobic and neuromuscular fitness as a risk factors of CVD?**
Tommi Vasankari, UKK Institute for Health Promotion Research
- Session III
Metabolic syndrome
Chairs: Pirkko Pussinen and Olavi Ukkola
- 9:15-9:30 **Metabolic Syndrome from Adolescence to Early Adulthood – Effect of Lifestyle Intervention. The Special Turku Coronary Risk Factor Intervention Project (STRIP).**
Mari Nupponen, Research Centre of Applied and Preventive Cardiovascular Medicine, University of Turku
- 9:30-9:45 **Markers of periodontal disease are associated with metabolic syndrome**
Kati Hyvärinen, Institute of Dentistry, University of Helsinki, Helsinki
- 9:45-10:00 **Impaired Cholesterol Efflux into HDL2 in Metabolic Syndrome**
Timo Paavola, Department of Internal Medicine and Biocenter Oulu, University of Oulu and Medical Research Centre, Oulu University Hospital
- 10:00-10:15 **Prevalence and determinants of fatty liver in normal weight and overweight young adults. The Cardiovascular Risk in Young Finns Study**
Emmi Suomela, Research Centre of Applied and Preventive Cardiovascular Medicine, University of Turku
- 10:15-10:30 **A novel microRNA up-regulated in the visceral adipose tissue of human subjects with NAFLD**
Raghavendra Mysore, Minerva Foundation Institute for Medical Research, Helsinki
- 10:30-10:45 **Endotoxemia and cardiometabolic disorders**
Elisa Kallio, Institute of Dentistry, University of Helsinki, Helsinki
- 10:45-11:15 **Coffee**

Session IV

Factors predictive of cardiovascular diseases

Chairs: *Tiina Solakivi and Hannu Järveläinen*

- 11:15-11:30 **Lifetime Measures of Ideal Cardiovascular Health and their Association with Subclinical Atherosclerosis and Type 2 Diabetes Mellitus: The Cardiovascular Risk in Young Finns Study**
Tomi Laitinen, Research Centre of Applied and Preventive Cardiovascular Medicine, University of Turku
- 11:30-11:45 **Missing teeth predict future cardiovascular events, diabetes and death**
John Liljestrand, Institute of Dentistry, University of Helsinki, Helsinki
- 11:45-12:00 **Plasma Analytes Predict Fatal Cardiovascular Outcome in Coronary Artery Disease Patients**
Reijo Laaksonen, Zora Biosciences, Espoo
- 12:00-12:15 **Adult dyslipidemia prediction is improved by repeated measurements in childhood. The Cardiovascular Risk in Young Finns Study**
Joel Nuotio, Research Centre of Applied and Preventive Cardiovascular Medicine, University of Turku
- 12:15-12:30 **The function of serum MMP-9 as a diagnostic and prognostic marker in acute coronary syndrome and its recurrence**
Laura Lahdentausta, Institute of Dentistry, University of Helsinki, Helsinki
- 12:30-12:45 **Place of residence, cardiometabolic risk factors and intima-media-thickness - The Cardiovascular Risk in Young Finns Study**
Lauri Vähämurto, Research Centre of Applied and Preventive Cardiovascular Medicine, University of Turku
- 12:45-12:50 **Closing words**
Matti Jauhiainen
- 13:00-14:00 **Lunch and farewell**