

**Finnish Atherosclerosis Society / Suomen Ateroskleroosiyhdistys ry
Seventh Annual Meeting in Turku**

Time: 15.-16.3.2013

Place: Auditorium, Puutarhakatu 1, Turku

Program

Friday 15.3.

12:30-13:15

Registration + Coffee

13:15-13:20

Opening words

13:20-14:00

Plenary lecture: Brown fat and cardiometabolic risk factors

Prof. Pirjo Nuutila, University of Turku

Session I

Molecular research on vascular biology

Chairs: Hannu Järveläinen and Anna-Liisa Levonen

14:00-14:15

Endoplasmic reticulum stress mediated regulation of AT1R expression by posttranscriptional mechanisms

Michael Backlund, University of Helsinki

14:15-14:30

Visualization of ORP2-VAP complexes at lipid droplet-endoplasmic reticulum contacts: Novel clues to oxysterol-binding protein function

Henriikka Kentala, Minerva Foundation Institute for Medical Research, Helsinki

14:30-14:45

Selective depletion of Foxp3+ regulatory T cells promotes hypercholesterolemia and exacerbates experimental atherosclerosis

Robert Badeau, University of Turku

14:45-15:00

Molecular Lipids Identify Cardiovascular Risk and Are Efficiently Lowered by Simvastatin and PCSK9 Deficiency

Reijo Laaksonen, ZORA Biosciences Oy, Espoo

15:00-15:15

Sponsor's view

Susanna Rosin, Raisio Oyj

15:15-15:30

Coffee

- 15:30-15:45 **CETP interaction with HDL: an atomistic molecular dynamics approach**
G Clipa-Karhu, University of Helsinki
- 15:45-16:00 **RIFL: the most insulin-stimulated gene in human adipose tissue**
J Soronen, University of Helsinki
- 16:00-16:15 **Plasma Eicosanoids are Potential Biomarkers for Muscle Weakness and Pain related to Statin Treatment**
Reijo Laaksonen, ZORA Biosciences Oy, Espoo
- 16:15-16:30 **Spatial analysis of lipids and atherosclerotic markers**
Satu Lehti, Wihuri Research Institute, Helsinki
- 16:30-16:45 **Osbp18 deficiency in mouse causes HDL elevation and gender-specific alterations of lipid metabolism**
Olivier Beasles, Minerva Foundation Institute for Medical Research, Helsinki
- 16:45-17:00 **High-Throughput Metabolite Profiling in Cardiovascular Epidemiology – Molecular Underpinnings of Risk Factor Profiles in Young Adults**
Peter Würtz, University of Oulu
- 17:00-17:15 **Optical coherence tomography in the assessment of coronary artery wall structures and vessel healing after stent implantation in patients undergoing percutaneous coronary intervention**
Tuomas Kiviniemi, Turku University Hospital, Helsinki
- 17:15-17:30 **Sponsor's view**
Ergin Bedretin, MSD Finland
- 17:45-18:45 **Suomen Ateroskleroosiyhdistys ry:n 7. sääntömääräinen vuosikokous**
- 19:00- **Dinner in Suomalainen Pohja (Aurakatu 24 A, Turku)**

Saturday 16.3.

Session II

Epidemiological studies on atherosclerosis

Chairs: *Matti Jauhiainen and Vesa Olkkonen*

- 9:00-9:15 **Genomic, transcriptomic, and lipodomic profiling demonstrates the benefits of extreme phenotype approach and highlights the role of inflammation in individuals low HDL-cholesterol**
Pirkka-Pekka Laurila, University of Helsinki
- 9:15-9:30 **Association of Fitness with Vascular Intima-Media Thickness and Elasticity in Adolescence**
Katja Pahkala, University of Turku
- 9:30-9:45 **Ideal Cardiovascular Health in Adolescence – Effect of Lifestyle Intervention and Association with Vascular Intima-media Thickness and Elasticity. The STRIP study.**
Hanna Hietalampi, University of Turku
- 9:45-10:00 **Childhood Determinants of Adult Ideal Cardiovascular Health: The Cardiovascular Risk in Young Finns Study, the Childhood Determinants of Adult Health Study, and the Princeton Follow-up Study.**
Tomi Laitinen, University of Turku
- 10:00-10:15 **The associations of oxidized high-density lipoprotein lipids with risk factors for atherosclerosis. The Cardiovascular Risk in Young Finns Study.**
Petri Kresanov, University of Turku
- 10:15-10:30 **Youth Adiposity and Metabolic Disturbances in Predicting Carotid Intima-Media Thickness, Type 2 Diabetes and Cardiovascular Risk Factors in Adulthood. The Cardiovascular Risk in Young Finns Study.**
Juha Koskinen, University of Turku
- 10:30-11:00 **Coffee**
- 11:00-11:15 **Combined effects of child and adult elevated blood pressure on subclinical atherosclerosis. The International Childhood Cardiovascular Cohort Consortium.**
Jonna Juhola, University of Turku

Session III

Imaging of cardiovascular pathology

Chairs: *Olavi Ukkola and Markus Juonala*

- 11:30-11:45 **Prevalence and determinants of fatty liver in normal weight and overweight young adults. The Cardiovascular Risk in Young Finns Study.**
Emmi Suomela/Mervi Oikonen, University of Turku
- 11:45-12:00 **¹⁸F-fluoromethylcholine PET imaging of inflamed atherosclerotic plaques in mice**
Sanna Hellberg, University of Turku
- 12:00-12:15 **The association between coronary flow reserve and development of coronary calcifications: a follow-up study for 11 years in healthy young men**
Valtteri Uusitalo, University of Turku
- 12:15-12:20 **Closing words**
- 12:30-13:30 **Lunch and farewell**