

Finnish Atherosclerosis Society/ Suomen Ateroskleroosiyhdistys ry

9th Annual Meeting in Kuopio

Time: 13.-14.3.2015

Place: Kuopio University Hospital, Auditorium, Puijonlaaksontie 2, Kuopio

PROGRAM

Friday 13.3.

12.30-13.00 Registration and coffee

13.00-13.05 Opening words
Anna-Liisa Levonen

SESSION I: Non-coding RNAs in cardiovascular diseases

Chairs: Anna-Liisa Levonen and Minna Kaikkonen

13.05-13.45 **The role of non-coding RNAs in atherosclerosis**
Reinier Boon, Goethe University, Frankfurt

13.45-14.15 **Enhancers revealing the complexity of transcriptional responses during atherogenesis**
Minna Kaikkonen, University of Eastern Finland, Kuopio

14.15-14.30 **Characterizing chromatin architecture and hypoxia-regulated gene expression in human primary vascular endothelial cells**
Henri Niskanen, University of Eastern Finland, Kuopio

14.30-14.45 **MicroRNA Profiling of Pericardial Fluid Samples from Patients with Heart Failure**
Suvi Kuosmanen, University of Eastern Finland, Kuopio

14.45-15.00 Amgen

15.00-15.30 coffee break

SESSION II: Mechanism of atherosclerosis

Chairs: Vesa Olkkonen and Katariina Öörni

- 15.30-16.00 **HIF Prolyl 4-hydroxylase-2 Inhibition Protects Against Development of Atherosclerosis**
Peppi Karppinen, University of Oulu, Oulu
- 16.00-16.15 **Neutral proteases released from activated human mast cells generate multiply modified LDL particles**
Katariina Maaninka, Wihuri Research Institute, Helsinki
- 16.15-16.30 **Expression of sVEGFR3 decoy receptor in atherosclerotic mouse model decreases lipid accumulation and changes cardiac lymphatic vessel organization**
Taina Vuorio, University of Eastern Finland, Kuopio
- 16.30-16.45 **Characterization of the extracellular lipid particles in atherosclerotic carotid artery intima**
Satu Lehti
- 16.45-17.00 **Global Nrf2 deficiency alleviates diet-induced atherosclerosis in LDL-receptor deficient mice**
Anna-Kaisa Ruotsalainen, University of Eastern Finland, Kuopio
- 17.00-17.15 **p38 δ MAPK – Characterization of a novel effector in NLRP3 inflammasome activation upregulated in human coronary atherosclerotic lesions**
Kristiina Rajamäki, Wihuri Research Institute, Helsinki
- 17.30-18.30 **Annual meeting of the Finnish Atherosclerosis Society (in Finnish)**
- 19.30- **Dinner at Restaurant Kummisetä, Minna Canthin katu 44**

Saturday 14.3.

Chairs: Matti Jauhiainen and Peppi Karppinen

8.30-9.15 **Familial hypercholesterolemia**
Annukka Lahtinen, HUSLAB, Helsinki

SESSION II continues: Mechanisms of atherosclerosis

9.15-9.30 **Chronic intermittent psychological stress promotes macrophage reverse cholesterol transport by impairing bile acid absorption in mice**
Reija Silvennoinen, Wihuri Research Institute, Helsinki

9.30-9.45 **LDL aggregation - A novel biomarker for atherosclerosis**
Maija Ruuth, Wihuri Research Institute, Helsinki

9.45-10.15 **Oxysterols and oxysterol-binding proteins: Roles in atherogenesis?**
Vesa Olkkonen, Minerva Foundation Institute for Medical Research, Helsinki

10.15-10.30 Coffee break

SESSION III: Varia

Chairs: Jaana Rysä and Pirkko Pussinen

10.30-10.45 **Optimizing clot stability in a mouse model of *in situ* thromboembolic stroke and thrombolysis**
Olli Mattila, University of Helsinki, Helsinki

10.45-11.00 **Deficiency in Melanocortin 1 Receptor Signaling Predisposes to Vascular Endothelial Dysfunction and Increased Arterial Stiffness in Mice and Humans**
Ari Ahola-Olli, University of Turku, Turku

11.00-11.15 **Activating transcription factor 3 (ATF3) and its downstream inflammatory targets are dysregulated in human calcific aortic valve disease**
Pauli Ohukainen, University of Oulu, Oulu

- 11.15-11.30 **Translation of a knockout mouse model to humans**
Pirkka-Pekka Laurila, National Institute for Health and Welfare, Helsinki
- 11.30-11.45 **The fat mass and obesity-associated (FTO) gene variant rs9939609 predicts future incidence of cardiovascular disease and related death independent of the traditional risk factors**
Olavi Ukkola, Institute of Clinical Medicine, Department of Internal Medicine, University of Oulu and Medical Research Center Oulu, Oulu University Hospital, Oulu
- 11.45-12.00 **The effect of α -linolenic acid and fish on lipid profile and low-grade inflammation in subjects with impaired glucose metabolism**
Maria Lankinen, University of Eastern Finland, Kuopio
- 12.00-12.15 **Postprandial response in lipid metabolism in human subjects with ANGPTL3 deficiency**
Anna Tikka, National Institute for Health and Welfare, Helsinki
- 12.15 **Closing words**
- 12.30- **Lunch, KYS restaurant**