



4th SCIENCE DAY OF THE KAUPPI CAMPUS
THURSDAY 9th FEBRUARY 2012
ARVO-BUILDING, JARMO VISAKORPI AUDITORIUM

9.00-9.10 OPENING WORDS: Professor Seppo Parkkila, MD, PhD
University of Tampere

SESSION 1

9.10-9.45	PLENARY LECTURE I:	Professor Onni Niemelä, MD, PhD Seinäjäki Central Hospital and University of Tampere <i>Alcohol and health</i>
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9.45-10.05 Sergio Caja: *Coeliac disease-specific autoantibodies targeted against transglutaminase 2 disturb vessel morphogenesis in vitro and in vivo through RhoB*

10.05-10.25 Olli Nevalainen: *Long-term mortality in a population-based cohort of newly diagnosed patients with epilepsy*

10.25-10.40 COFFEE BREAK

SESSION 2

10.40-11.00 Suvi Kalliokoski: *Injection of coeliac patient immunoglobulins to mice reproduces a condition mimicking early developing coeliac disease*

11.00-11.20 Ashok Aspatwar: *CARP VIII is indispensable for normal embryogenesis in zebrafish and its lower expression due to the knockdown effect mimics the phenotype found in human patients*

11.20-11.40 Ville J. Kujala: *Human iPS cell-derived cardiomyocytes in long QT syndrome modeling*

11.40-12.00 Henri Taanila: *Predictors of low back pain in physically active conscripts with special emphasis on muscular fitness*

12.00-13.00 LUNCH BREAK AND POSTERS

SESSION 3

13.00-13.30	PLENARY LECTURE II:	Professor Matti Uusitupa, MD, PhD University of Eastern Finland <i>Diet and inflammation</i>
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13.30-14.45	PANEL DISCUSSION: <i>Pathogenesis and risk factors of atherosclerosis with special emphasis on cholesterol-lowering drugs (in Finnish)</i>
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CHAIRPERSON: Professor Ilkka Pörsti MD, PhD, University of Tampere

PANELISTS: Professor Matti Uusitupa MD, PhD; Professor emeritus Pentti Tuohimaa MD, PhD;
Biologist Christer Sundqvist PhD; Cardiologist Erkki Ilveskoski, MD, PhD

14.45-15.20 COFFEE BREAK

SESSION 4

- 15.20-15.40 Sanni Salonen: *Behaviour of human adipose stem cells in microstructured scaffolds*
- 15.40-16.00 Katariina Lassila: *The effect of alternative oxidase (AOX) on Drosophila melanogaster models of Alzheimer's disease based on inducible transgenic expression of A β 40 and A β 42*
- 16.00-16.20 Juha Taavela: *Small-bowel mucosal damage and serology associate to patient-related outcomes and clinical data in celiac disease*
- 16.20-16.40 Niko Sillanpää: *The mid-M1 segment of the middle cerebral artery is a cut-off clot location for good outcome in intravenous thrombolysis*
- 16.40-17.00 **CLOSING WORDS / THE BEST ORAL PRESENTATION AWARD**

POSTER PRESENTATIONS:

1. Laura Airaksinen: *Genetic background of coeliac disease – Chemokine receptor CCR9 and its ligand CCL25*
2. Heidi Ali: *Classification of mismatch repair gene missense variants by PON-MMR*
3. Toni Grönroos: *TEL-AML1 leukemia modeling in zebrafish*
4. Noora Huotari: *Reciprocal regulation of the expression of an inflammatory gene tristetraprolin by p38 MAPK and MKP-1*
5. Liisa Ikonen: *Vascularized heart tissue model for cardiac toxicity testing*
6. Tuire Ilus: *Persistent duodenal intraepithelial lymphocytosis despite a long-term strict gluten-free diet in celiac disease*
7. Jarmo Kantonen: *Impact of the ABCDE triage in primary care emergency department on the number of patient visits to different parts of the health care system in Espoo City*
8. Heidi Kontro: *Cellular and tissue expression of DAPIT, a phylogenetically conserved peptide*
9. Anna Koskinen: *Adiponectin is associated with joint inflammation and cartilage degradation in osteoarthritis*
10. Kirsi Kujala: *The effect of electrical field stimulation on cardiomyocyte growth on collagen gel and 2D-coating*
11. Sampo Kukkurainen: *Dynamics of the talin-integrin complex at the lipid bilayer*
12. Katri Leinonen: *Correlation of ERG expression with other genetic and expression abnormalities in prostate cancer*
13. Sirpa Leivo-Korpela: *Adipokine adipsin is associated with the degree of parenchymal fibrosis in asbestos-exposed patients*
14. Lauri J. Moilanen: *TRPA1 activation contributes to acute inflammatory response and mediates carrageenan-induced paw edema in the mouse*
15. Kari-Matti Mäkelä: *Genome-wide association study pinpoints a new functional ApoB variant influencing oxidized LDL levels and cardiovascular events*
16. Preethy Sasidharan Nair: *VariBench: A benchmark database for variations*
17. Renuka Natarajan: *Biomarkers of disease progression and activity in MS: Prospective clinical and MRI follow-up study*
18. Abhishek Niroula: *Feature selection for classification of single amino acid polymorphisms*
19. Marisa Ojala: *The effect of different culture conditions on cardiac differentiation of pluripotent stem cells (hESC and iPS)*
20. Ayodeji Olatubosun: *PON-P: Pathogenic-Or-Not Pipeline*
21. Mimmi Patrikainen: *Novel in vitro culture conditions of adipose stem cells for clinical cell therapy applications*
22. Tiina Rauhavirta: *The effects of TG2 inhibitors on gliadin-induced toxicity – implications for future coeliac disease therapy*
23. Johanna Salonen: *2-D DIGE analysis of B cell maturation*
24. Henri Taanila: *Predictors of low back pain in physically active conscripts with special emphasis on muscular fitness*
25. Juha Taavela: *Validation of morphometric analyses of small intestinal biopsy readouts in celiac disease*
26. Andrey Taranukhin: *Combined toxicity of taurine and ethanol*
27. Kaisa Teittinen: *Small nucleolar RNAs as classifiers of leukemia subtypes*
28. Gabriel Teku: *Immunome protein interactome decomposition identifies subnetworks relevant for T cell function*
29. Laura Tirkkonen: *Optimization of osteogenic medium components for human adipose stem cells*
30. Anni Viinamäki: *Subclinical bulimia predicts conduct disorder in middle adolescent girls*

THE EVENT ORGANIZED BY THE MD-PHD PROGRAM FOR MEDICAL STUDENTS,
UNIVERSITY OF TAMPERE