

"Exploring Science and Culture" 6th Joint Tartu – Turku - Tallinn Meeting

May 11-13, 2011 Tallinn, Estonia

Wednesday, May 11

- 07.00 **Bus leaves from Turku (Medisiina, Kiinamylyynkatu 10)**
Breakfast in the bus (coffee/tea and rolls)
- 10.30 Departure from Helsinki, TallinkSilja, m/s Superstar (Länsisatama)
- 12.30 Arrival to Tallinn/D-terminal
Bus to hotel: Meriton Grand Conference & Spa Hotel , Paldiski mnt. 4, 10149 Tallinn
<http://www.meritonhotels.com/conference-spa-hotel-tallinn/>
- 13.30 Lunch at the hotel

Scientific Program

Meriton Grand Conference & Spa Hotel, Conference room Peterson I

- 14.30 **Opening words**
Professor Erkki Truve, Graduate School of Biomedicine and Biotechnology
(Tallinn University of Technology)
- 14.35 Guest speaker: Professor Hannu Larjava, University of British Columbia, Canada:
"Graduate studies in Canada"
- 15.15 **Student presentations**
Chairperson: Valtteri Rinne
- 15.15 Oliver Meikar: Chromatoid body and piRNAs
- 15.25 Matteo Da Ros: Function of the chromatoid body in spermatogenesis and its
involvement in small RNA
- 15.35 Ida Björkgren: The role of Dicer in the epididymis
- 15.45 Riin Tamm: In search of (genetic) factors influencing TPMT activity
- 15.55 Anu Tammiste: Exome sequencing identifies a set of genes that may be associated with
escitalopram treatment response in major depression
- 16.05 Jemiina Salo: Decorin binding by DbpA and B of *Borrelia garinii*, *Borrelia afzelii* and
Borrelia burgdorferi ss.
- 16.15 Senthil Palani: CLEVER-1 is a scavenging and adhesion molecule in human placental
type II macrophages
- 16.25 Tatjana Jatsenko: Involvement of specialized DNA polymerases in mutagenic processes
in *Pseudomonas putida*
- 16.35 Julia Sidorenko: Study of the functions on DNA polymerase I in *Pseudomonas putida*
- 16.45-17.15 **Coffee Break**
- 17.15 **Student presentations**
Chairperson: Neeme Tõnisson
- 17.15 Mehdi Farshchian: Identification and characterization of SerpinA 1 as a Novel
Biomarker for Progression of Cutaneous Squamous Cell Carcinoma
- 17.25 Emilia Kaivosoja: Regenerative medicine materials: controlling stem cell fate

- 17.35 Karin Tamm: The tissue specific role of estrogen in human endometrium and mammary gland
- 17.45 Subhash Tripathi: Identification of the genes characterizing human TH17 cell differentiation
- 17.55 End of presentations
- 19.00 Dinner at the hotel**

Thursday, May 12

- 09.30 Bus from hotel to University Tallinn, Technical University**
Natural Sciences Building, room number 109, ground floor,
address: Ehitajate tee 15, <http://geen.ttu.ee/?id=10313>
- Time to set up posters (entrance hall walls/lecture room)
- 10.00 Student presentations**
Chairperson: Bhanupratap Chouhan
- 10.00 Jenni Mäki-Jouppila: Anti-mitotic miRNAs as novel suppressors of the spindle assembly checkpoint
- 10.10 Maria Salmela: Echovirus 1 related cell adhesion complex
- 10.20 Triinu Visnapuu: Mutational analysis of levansucrase from *Pseudomonas syringae*
- 10.30 Jekaterina Jutkina: Analysis of plasmid-containing bacterioplankton in the Baltic Sea water
- 10.40 Egon Urgard: Metagenes associated with survival in NSCLC
- 10.50 Niina Santio: Pim-selective inhibitors - new tools to target cancer cell motility
- 11.00-11.15 Break**
- 11.15 Student presentations**
Chairperson: Kari Kurppa
- 11.15 Margit Nõukas: SNP array study of uniparental disomy in Estonian mental retardation patients and general population
- 11.25 Maykel Lopez Rodriquez: High-throughput imaging of neuronal function to identify druggable targets in stress signalling pathways
- 11.35 Valtteri Rinne: Pharmacokinetic and bioavailability evaluations of new ligand-based series of Sirtuin inhibitors
- 11.45 Henrik Paavilainen: Spread and replication of glycoprotein C positive and negative HSV-1 BAC-derived recombinants and WT HSV-1 (17+) in SJL mice
- 12.00-13.30 Lunch/Posters**
- 13.30 Student presentations**
Chairperson: Paulina Mikołajczak
- 13.30 Mirrka Heinonen: Novel function for small GTPASE coding GIMAP family genes in human T helper cell differentiation
- 13.40 Marek Budzynski: Role of HSF1 Phosphorylation In The Heat Shock Response
- 13.50 Michaela Nygårdas: Gene therapy of experimental autoimmune encephalomyelitis with HSV1 vector expressing leukemia inhibitory factor (LIF)
- 14.00 Jonna Sinkkonen: Uptake of [18F]FDG and [18F]EF5 is Associated with the Hypoxic Phenotype in HNSCC Cell Lines and Mouse Xenografts
- 14.10 Kristi Laur: GLI proteins as transcription activators and repressors
- 14.20 Jaanus Suurväli: RGS16 is involved in the TLR-mediated expression of proinflammatory cytokines and the receptors CD14 and C5aR
- 14.30 Liisa Arike: Quantitative proteomics applied on studies of microorganisms

- 14.40 **Poster session / Wine and cheese**
- 16.15 **** Award presentation for the best oral and best poster presentations ****
- Posters take off
 Bus to the hotel
- 18.30 **Dinner at Beerhouse** <http://www.beerhouse.ee/> (walking distance from the hotel)
 Tallinn by night: "Pub Crawl" with "guided" tour in Tallinn old town

Friday, May 13

Meriton Grand Conference & Spa Hotel
Breakfast at the hotel

Free time, Kumu art museum, etc.

- 13.00 **Meeting at the terminal (D-terminal)**
- 14.00 Departure from Tallinn, TallinkSilja, m/s Superstar
- 16.00 in Helsinki
- 18.15 Arrival to Turku



POSTER PRESENTATIONS

Drug Discovery Graduate School (DDGS)

Roope Huttunen: Single-label time-resolved fluorescence based estrogen receptor-ligand binding assay

Kirsi Ketola: Drugs with known pharmacological profiles, such as monensin, disulfiram and salinomycin, show cancer-selective inhibition of prostate cancer cell growth by increasing oxidative stress

Niina Santio: Pim inhibitor DHPCC-9 reveals Pim kinases as stimulators of cancer cell migration and invasion

Turku Graduate School of Biomedical Sciences (TuBS)

Paulina Mikołajczak: TRANSCRIPTION FACTORS IRF4 AND IRF8 CONTROL PLASMA CELL DIFFERENTIATION

Jenny Joutsen: Sumoylation of stress proteins - Regulatory role of SUMO-ubiquitin interplay

Alexandra Elsing : APC/C participates in the heat shock response by modulating HSF2 levels

Matti Lahti: THE STRUCTURE OF COLLAGEN RECEPTOR INTEGRIN $\alpha 1$ DOMAIN IN ACTIVE CONFORMATION

Kari Kurppa: ErbB4 mutations in cancer - unleashing the beast?

The National Doctoral Programme in Informational and Structural Biology (ISB)

Bhanupratap Chouhan: Conservation of the human integrin type beta-propeller domain in Bacteria

Bartosz Gabryelczyk: Finding material-specific peptides by directed evolution methods

Heidi Luoto: The evolution of the membrane pyrophosphatase ion translocation specificity

Heidi Tuominen: Structural aspect for CBS-pyrophosphatase regulation

Graduate School of Biomedicine and Biotechnology (University of Tartu, Tallinn University of Technology)

Kaie Kirotar: Methylation markers of early-stage non-small cell lung cancer

Marina Solovjova: Genome-wide detection of copy number alterations in non-small cell lung cancer

Liisi Võsa: *"Papillomavirus interaction with host cellular chromatin"*

Hanna Vihma: Regulation of different protein isoforms of NFAT family by neuronal activity

Kaur Jaanson: BAC transgenic cell lines for studying BDNF gene regulation

Indrek Koppel: BAC transgenic mice for studying BDNF gene regulation in vivo

Mari Sepp: Molecular dissection of the calcium-regulated transcriptional activator TCF4/ITF2/E2-2 in neurons

Priit Pruunsild: Regulation of human BDNF transcription by neuronal activity

Anne Pink: Soluble CD44 interacts with Intermediate Filament Protein Vimentin on Endothelial Cell Surface

Merle Saaremäe: Involvement of RGS16 in PCV2 pathogenesis

Keiu Kask: Guanine nucleotide exchange factor Ric-8 in mammalian neurogenesis and characterization of transgenic NestinCreRic-8lacZ/lox mouse strain

Organized by:

Graduate School of Biomedicine and Biotechnology (BMBT), University of Tartu
Tallinn University of Technology

and

Turku BioNet Graduate Schools:

Drug Discovery Graduate School (DDGS)

The National Graduate School of Clinical Investigation (CLIGS)

The National Doctoral Programme in Informational and Structural Biology (ISB)

National Doctoral Programme of Musculoskeletal Disorders and Biomaterials (TBDP)

Turku Graduate School of Biomedical Sciences (TuBS)

