

Aastakonverents 2014 / Annual Conference 2014

AJAKAVA / PROGRAM

Esmaspäev, 15. detsember / Monday December 15th
9.15-9.30 **Konverentsi avamine / Opening of the conference prof. Toivo Maimets**

Hommikune sessioon / Morning session, juhatab /chair Ulvi Talas

9.30-10.30

Monika Karmin "A recent bottleneck of Y chromosome diversity coincides with a global change in culture"

Mari Tagel "Identification of new mutation rate affecting genes in *Pseudomonas putida*"

Manoop Chenchiliyan "Excitation energy trapping in *Rhodobacter Sphaeroides* in dependence of the antenna size, structure of the core complex and carotenoid contents"

10.30-11.30 **Stendiettekannete sessioon / Poster session**

Kohvipaus / Coffee break

11.30-12.30

Kadi Ainsaar "Metal tolerance systems in *Pseudomonas putida*"

Anton Terasmaa, Researcher at Department of Physiology, Faculty of Medicine, UT "Physiology of mammalian hibernation"

12.30-14.00 Lõunapaus / Lunch break

Pärastlõunane sessioon / Afternoon session, juhatab / chair Reidar Andreson

14.00-15.00

Natalia Pervjakova "Prediction of imprinted genes based on the genome-wide methylation analysis"

Mikk Puustusmaa "cRegions - a tool for identifying conserved regions in protein coding sequences"

Markus Vetemaa, Senior Researcher at Estonian Marine Institute, UT "Otolith microchemistry as a tool in fish migration studies"

15.00-15.30 Kohvipaus / Coffee break

15.30-16.30

Joachim Gerhold "Should I stay or should I go – mitochondrial replication factors transiently associate with DNA at the inner mitochondrial membrane"

Martin Sauk "CNV Discovery from Exome Sequencing Data via Bioinformatical tools"

Kaspar Ratnik "Serum Biomarkers for Predicting and Characterization of Preeclampsia"

Teisipäev, 16. detsember / Tuesday December 16th

Hommikune sessioon / Morning session, juhatab / chair Silja Laht

9.15-10.45

Valmar Kasuk "Cell penetrating peptides can be efficiently used for miRNA delivery into human embryonic stem cells"

Silva Lilleorg "On ribosome heterogeneity of the example of *E. coli* r-protein L31"

Janeli Viil "Characterization of the slowly cycling cell population in mouse liver"

Kessy Abarenkov, Researcher at Museum of Nature, UT
"Exploring global diversity of fungi - challenges in species delimitation and identification"

10.45-11.30 **Stendiettekannete sessioon / Poster session**

Kohvipaus / Coffee break

11.30-12.30

Maarja Lepamets "GenomeTester4: a toolkit for fast k-mer counting and basic set operations with k-mer lists"

Märt Roosaare "Identification of bacterial strains from raw sequencing reads using taxon-specific markers"

Radko Avi, Researcher at Institute of Microbiology, Faculty of Medicine, UT
"Diagnostics and Research of HIV Infection in Department of Microbiology"

12.30-14.00 Lõunapaus / Lunch break

Pärastlõunane sessioon / Afternoon session, juhatab / chair Lauris Kaplinski

14.00-15.00

Ilja Gaidutšik "Double-stranded DNA-dependent ATPase Irc3p is directly involved in mitochondrial genome maintenance"

Janeli Pae "Glycosaminoglycans mediate the translocation of amphiphatic cell-penetrating peptides across the plasma membrane"

Raul Vicente Zafra, Senior Researcher at Institute of Computer Science, Faculty of Mathematics and Computer Science, UT.
"Computational neuroscience: when math meets brain"

15.00-15.30 Kohvipaus / Coffee break

15.30-16.30

Tiina Alamäe "The Functional Food Ingredients project: production of levan and FOS using the levansucrase of *Pseudomonas syringae* pv. Tomato"

Mart Min, Research Professor at Baselab for Electronics and Communication Research, Thomas Johann Seebeck Department of Electronics, Tallinn University of Technology
"Electrical (bio-) impedance: what it is, and how to eat it"

16.30

prof. Maido Remm: Lõppsõna / Closing remarks