

Teisipäev, 17. detsember / Tuesday 17. December

9.15-9.30 Konverentsi avamine: Instituudi direktor prof. Toivo Maimets

Opening of the conference: Director of the institute prof. Toivo Maimets

Hommikune session / Morning session, juhatab /chair Tiina Tamm

9.30-10.30 Imetajad / Mammals

Tiit Örd "Tribbles homolog 3 (Trib3) in the mouse brain"

Kadri Õunap "The human WBSCR22 protein is involved in the biogenesis of the 40S ribosomal subunits in mammalian cells"

Sirje Lulla "Expression and Localization Dynamics of Guanine Nucleotide Exchange Factor RIC8 During Mammalian Oogenesis"

10.30-11.30 Stendiettekannete session / Poster session

Kohvipaus / Coffee break

11.30-12.30 Biokeemia / Biochemistry

Pratyush Kumar Das "RNA modulation by alphaviral nonstructural protein 2: a tale of an intimate communication between distant domains"

Carmen Juks "Scavenger receptor mediated uptake of PepFect14- oligonucleotide nanoparticles"

Mihhail Kurašin "What is the rate-limiting step in cellobiohydrolase catalysed cellulose hydrolysis?"

12.30-14.00 Lõunapaus / Lunch break

Pärastlõunane session / Afternoon session, juhatab / chair Silja Kuusk

14.00-15.00 Inimesed / People

Alena Kushniarevich "Genetic heritage of Slavic speakers"

Liis Leitsalu "Implementation of personalized medicine approach in the primary care practice of Estonia"

Marina Grigorova "Study in 1790 Baltic men: FSHR Asn680Ser polymorphism affects total testes volume"

15.00-15.30 Kohvipaus / Coffee break

15.30-16.30

Karl Annusver "Bioscience Students' Association: accomplishments and our future"

akad. Mart Ustav "Replication mechanisms of papillomaviruses"

Kolmapäev, 18. detsember / Wednesday 18. December

Hommikune session / Morning session, juhatab / chair Priit Väljamäe

9.15-10.35 Genoom ja selle ekspressioon / Genome and its expression

Lauri Saag "Reducing platform bias in next-generation sequencing"

Märt Roosaare "Protein domains in the cone snail *Conus consors*"

Katrin Viigand „Genomic MAL locus of a methylotrophic yeast *Hansenula polymorpha*: disclosing the role of two MAL-activator genes"

akad. Agu Laisk "Gene expression and functional development of photosystems in maize"

10.35-11.30 Stendiettekannete session / Poster session

Kohvipaus / Coffee break

11.30-12.30 Haigused / Diseases

Silva Kasela "Detection of cis and trans eQTLs in purified primary immune cells"

Kristina Mäemets-Allas "Potent AKT/PKB inhibitor reduces AKT phosphorylation and tumor cell growth in vitro and in vivo"

Toomas Runnel "The function of miR-10a in the skin and keratinocytes"

12.30-14.00 Lõunapaus / Lunch break

Pärastlõunane session / Afternoon session, juhatab / chair Tiina Sedman

14.00-15.00 Bakterite stress / Stress of bacteria

Tatjana Jatsenko "Contribution of *Pseudomonas putida* DNA polymerase IV (DinB) to 4-nitroquinilone 1-oxide induced mutagenesis"

Manoop Chenchiliyan "Excitation Intensity-dependent Picosecond Fluorescence from Photosynthetic Bacteria Adapted to Different Levels of Light"

Hedvig Tamman "Moderate toxin GraT from a novel toxin-antitoxin system GraTA influences stress tolerance of *Pseudomonas putida*"

15.00-15.30 Kohvipaus / Coffee break

15.30-16.30

akad. Eero Vasar "Three faces of Schizophrenia"

Aastakonverentsi kokkuvõte. Lõppsõna prof. Juhan Sedman

Ending of the conference. Closing remarks prof. Juhan Sedman