

Tartu Ülikooli Molekulaar- ja Rakubioloogia Instituut, Eesti Biokeskus ja Eesti
 Geenivaramu/
 Institute of Molecular and Cell Biology, Estonian Biocentre and
 Estonian Genome Centre

Aastakonverents 2016 / Annual Conference 2016

esmaspäev, 19. detsember / Monday December 19th

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

9.30-10.30 **Laura Kasak** „Copy number variation profile in the placental and parental genomes of recurrent pregnancy loss families“
Keiu Kask “RIC8A: a new player in the development of type II lissencephaly associated disorders”
Kristi Krebs “Association of myopathy inducing SLCO1B1 polymorphisms with discontinuation of statin treatment”

10.30-11.30 stendiettekannete session / Poster session

kohvipaus / Coffee break

11.30-12.30 **Riin Kont** “Inter-domain synergism is required for efficient feeding of cellulose chain into active site of cellobiohydrolase Cel7A”
Karin Ernits “The endo-levanase of *Bacteroides thetaiotaomicron* cuts bacterial and plant levans into palatable pieces to feed himself and other community members”
Silva Lilleorg “The intersubunit bridge B1b of the bacterial ribosome facilitates initiation of protein synthesis and maintenance of translational fidelity”

12.30-14.00 lõunapaus / Lunch break

pärastlõunane session / Afternoon session

14.00-14.45 **Pärt Peterson** “Enigmatic central immune tolerance”

14.45-15.10 kohvipaus / Coffee break

15.10-16.30 **Kairi Raime** “K-mer based method for identification of plant taxons: a case study of tomato”
Andres Ainelo “In search for the target of the toxin GraT”
Mikk Puustusmaa “Evolutionary history of viruses – what can we learn from protein domain based view”
Martin Sauk “Fast method to detect chromosomal aneuploidy in NIPT samples”

teisipäev, 20. detsember / Tuesday December 20th
hommikune session / Morning session

9.00-10.20 **Märt Roosaare** “StrainSeeker – Fast identification of bacterial strains from unassembled sequencing reads using user-provided guide trees”

Ilja Gaidutšik „Irc3 is a multifunctional mitochondrial genome stability factor in *S.cerevisiae*“

Natalia Pervjakova “Investigating parent of origin effects in NMR metabolites”

Helen Post „The phylogeny of the most frequent Y chromosome lineages in Eastern Europe“

10.20-11.20 stendiettekannete session / Poster session

kohvipaus / Coffee break

11.20-12.40 **Valmar Kasuk** “Transfecting human embryonic stem cells”

Kärt Ukkivi “Involvement of transcription-coupled repair in mutational processes in *Pseudomonas putida*”

Allan Reinapae “Regulative effect of Fkh1 on early firing replication origins requires precisely positioned binding sites and concurrent assembly of pre-replicative complex”

Hanna Ainelo “Transcription regulation of the surface adhesion protein LapA”

12.40-14.00 lõunapaus / Lunch break

pärastlõunane session / Afternoon session

14.00-15.00 **Mart Saarma** “Structure, Biology and Therapeutic Potential of Novel ER Located Growth Factors”

15.00-15.30 kohvipaus / Coffee break

15.30-16.20 **Elin Org** “The host-gut microbiota interactions and metabolic traits in mice and human”

Petri-Jaan Lahtvee “Quantitative Multi-Layer Stress Regulation Analysis in Yeast”

16.20 Aastakonverentsi kokkuvõte ja auhinnad. Lõppsõna **prof. Jaanus Remme**
 Ending of the conference and prizes. Closing remarks **prof. Jaanus Remme**