

Annual Conference 2018

PROGRAM

Tuesday December 11th 2018

9.15-9.30 Opening of the conference: Director of the IMCB Prof. **Toivo Maimets**,
Director of the IG PhD **Mait Metspalu**

Morning session

9.30-9.50 **Julia Bokajeva** „Influence of human X chromosome structural variations and aberrations on X chromosome inactivation”

9.50-10.10 **Rain Inno** „Identifying eQTL influence on gene expression through microRNAs“

10.10-10.30 **Arina Lavrits** „Characterization of extracellular vesicles produced by single human embryos at early stages of development“

10.30-11.00 *Coffee break*

11.00-11.20 **Viktorija Kukuškina** “Endometrial receptivity revisited: endometrial transcriptome adjusted for tissue cellular heterogeneity”

11.20-11.40 **Artjom Stepanjuk** „MUC20 expression marks the receptive phase of the human endometrium“

11.40-12.00 **Marili Palover** „Introducing personalized management to EGCUT female participants with breast cancer-related genetic findings (estPerMed1 project)“

12.00-12.40 **Prof. Tambet Teesalu** University of Tartu, Faculty of Medicine, Institute of Biomedicine and Translational Medicine, Department of Biomedicine, Cancer Biology Research Group, “Tumor homing peptides version 2.0: intratumoral ZIP codes”

12.40-14.00 *Lunch break*

Afternoon session

14.00-14.20 **Kairi Raime** „K-mer based method for the identification of plant taxa directly from raw sequencing reads of metagenomic sample”

14.20-15.00 **Prof. Hannes Kollist** University of Tartu, Faculty of Science and Technology, Institute of Technology, “Guard Cells In Action”

15.00-17.00 *Poster session*

Wednesday December 12th 2018

Morning session

- 9.10-9.30 **Tina Saupe** „A method to detect chromosomal aneuploidy for human ancient DNA“
9.30-9.50 **Linda Ongaro** „The European heritage of American Populations“
9.50-10.10 **Maarja Lepamets** „New CNV quality measure enables discovering novel disease associations from genome-wide CNV analysis“
10.10-10.30 **Anette Kalnapek** „pQTL mapping and rare variant analysis for plasma proteins

10.30-11.00 *Coffee break*

- 11.00-11.20 **Diana Bahhir** “A novel link between mtDNA stress and global metabolic reprogramming”
11.20-11.40 **Silva Lilleorg** „Remodeling of the bacterial ribosome during transition into stationary growth phase“
11.40-12.00 **Vlad-Julian Piljukov** „Irc3 is active as a monomer on replication fork like DNA cofactors “
12.00-12.20 **Kristina Põšnograjeva** “Genome mining of non-conventional yeasts: search and characterization of MAL clusters and prediction of substrate specificity of α -glucosidases “

12.20-14.00 *Lunch break*

Afternoon session

- 14.00-14.20 **Sirli Rosendahl** “The effects of toxin-antitoxin systems to the fitness and stress tolerance of *Pseudomonas putida*”
14.20-14.40 **Ingrem Metsik** „Evolution of bacterial populations in *m*-cresol-containing environment“

14.40-15.30 *Coffee break*

- 15.30-15.50 **Triin Korb** „Aerobic bioleaching of Estonian graptolite argillite at neutral pH”
15.50-16.30 **Prof. Kalle Kirsimäe** University of Tartu, Faculty of Science and Technology, Institute of Ecology and Earth Sciences, Chair of Geology and Mineralogy, „Microbes on and in terrestrial basalt”

16.30 **Ending of the conference, closing remarks and the award ceremony**