

WOMEN'S AND FETAL HEALTH AND WELLBEING

Tartu, Estonia, September 19–20, 2018

Venue: Institute of Molecular and Cell Biology, University of Tartu, Omicum building, Riia 23b/2, auditorium 105

PROGRAMME:

Wednesday, September 19, 2018

09:30–10:00 Welcome coffee

10:00 Opening words, Professor Ants Kurg, University of Tartu

I session: ENDOMETRIOSIS PATHOGENESIS

10:15–10:50 **Christian Becker** (UOXF, Oxford, UK)
"Endometriosis, course of disease"

10:50–11:25 **Nilufer Rahmioglu** (UOXF, Oxford, UK)
"Largest genome-wide association meta-analysis of endometriosis and its subtypes including 63K cases and 482K controls reveals novel loci"

11:25–12:00 **Maarja Lepamets** (UTARTU, Tartu, EST)
"CNV analysis of endometriosis"

12:00–13:15 Lunch break

II session: EMBRYO GENOMICS

13:15–13:50 **Joris Vermeesch** (KU Leuven, Leuven, BEL)
"Genomic application in preimplantation and prenatal diagnosis"

13:50–14:25 **Olga Tšuiiko** (KU Leuven, Leuven, BEL)
"A closer look at chromosome instability in preimplantation embryos"

14:25–15:00 **Elia Fernandez-Gallardo** (KU Leuven, Leuven, BEL)
"Parallel single cell genome and transcriptome sequencing to study the chromosomal instability during human embryonic preimplantation development"

15:00–15:20 Coffee break

III session: SAFE REPRODUCTION

15:20–15:55 **Hanna Valli** (University of Pittsburgh, Pittsburgh, USA)
"Fertility preservation programs for women and men"

15:55–16:30 **Lauris Kaplinski** (UTARTU, Tartu, EST)
"Non-invasive prenatal diagnostics"

Thursday, September 20, 2018

09:00–09:30 Welcome coffee

IV session: TRILATERAL PATERNAL, MATERNAL AND EMBRYO COMMUNICATION

09:30–10:05 **Ingrid Granne** (UOXF, Oxford, UK)
"The influence of Seminal Fluid Extracellular Vesicles on human endometrium"

10:05–10:40 **Jennifer Southcombe** (UOXF, Oxford, UK)
"Endometrial immune profiles in subfertility – a detailed flow cytometric and transcriptomic investigation of immune cells in recurrent miscarriage and RIF"

10:40–11:15 **Kaarel Krjutškov** (UTARTU, Tartu, EST)
"READY-test: a novel endometrium receptivity test applying advanced biomarker profiling method"

11:15–11:50 **Alireza Fazeli** (UTARTU, Tartu, EST & University of Sheffield, UK)
"Embryo-Maternal Communication In the Era of Intercellular Epigenomics"

11:50–13:15 Lunch break

V session: NOVEL GENOMIC TECHNOLOGIES

13:15–13:50 **Omid Faridani** (Karolinska Institutet, Stockholm, SWE)
title TBD

13:50–14:25 **Edita Kriukien** (Institute of Biotechnology, Vilnius University, Vilnius, LIT)
"High resolution epigenomic technologies for DNA modification analysis"

14:25–14:45 Coffee break

VI session: FROM EMBRYO TO A CHILD

14:45–15:20 **Heleen Masset** (KU Leuven, Leuven, BEL)
"Single-cell embryo research"

15:20–15:55 **Valery Zukin** (Clinic of Reproductive Medicine "Nadiya", Kyiv, UKR)
"Tri-parental conception in practice"

15:55–16:30 **Régine PM Steegers-Theunissen** (Erasmus University Medical Center, Rotterdam, NLD) *title TBD*

Closing remarks, Professor Andres Salumets, University of Tartu