

Animal reproduction, technology and welfare

December 3-4, 2018

Estonian University of Life Sciences

Kreutzwaldi 1, Tartu, 51006, Estonia

The conference is free of charge to all, but registration is required.
Lunch will be provided for all attendees.

Register at searmet@emu.ee

For more information searmet@emu.ee

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Program

Monday, December 3

- 8:30-9:00 Registration
- 9:00-9:45 Keynote lecture: Pluripotent stem cells in animals and man
Poul Hyttel, *University of Copenhagen, Denmark*
- 9:45-10:00 Coffee break
- 10:00-12:30 Short presentations
- 10:00-10:30 Genome-edited disease resistant animals
Christopher Proudfoot, *Roslin Institute, University of Edinburgh, United Kingdom*
- 10:30-11:00 Animal welfare and ethics in cloning
David Arney, *Estonian University of Life Sciences, Estonia*
- 11:00-11:30 Time related changes in gene expression in bovine endometrial epithelial cells (bEEC) following LPS challenge
Yongzhi Guo, *Swedish University of Agricultural Sciences, Sweden*
- 11:30-12:00 Embryo and fetal genomic studies
Andres Salumets, *Competence Centre on Health Technologies, Estonia*
- 12:00-12:30 Impact of negative energy balance on gene expression in bovine endometrial cells from post-partum dairy cows
Wiruntita Chankeaw, *Swedish University of Agricultural Sciences, Sweden*
- 12:30-14:00 Lunch
- 14:00-15:30 SEARMET results I
- 14:00-14:30 The SEARMET project
Ülle Jaakma, *Estonian University of Life Sciences, Estonia*
- 14:30-14:45 EliteOva and EliteSemen
Jan Bojsen-Møller Secher, *University of Copenhagen, Denmark*
- 14:45-15:00 OPU in Estonia
Elina Mark, *Estonian University of Life Sciences, Estonia*
- 15:00-15:15 Latest Biotechnological Developments in Animal Breeding with emphasis on bovine in vitro production (IVP) and global overview
Lotte Bjørg Strøbech, *EmbryoTrans Biotech, University of Copenhagen, Denmark*
- 15:15-15:30 Bovine cloning in Estonia
Marilyn Ivask, *Estonian University of Life Sciences, Estonia*

Tuesday, December 4

- 8:30-9:00 Registration
- 9:00-9:45 Keynote lecture: Interface between wildlife conservation and reproductive science
William Holt, *University of Sheffield, United Kingdom*
- 9:45-10:00 Coffee break
- 10:00-12:00 Short presentations
- 10:00-10:30 Latest news in nuclear reprogramming of somatic cells
Pasqualino Loi, *University of Teramo, Italy*
- 10:30-11:00 Can chemokines affect embryo implantation in pig
Aneta Andronowska, *Polish Academy of Sciences, Poland*
- 11:00-11:30 Analysis of seminal plasma proteins in bull semen by fast protein liquid chromatography
Jane Morrell, *Swedish University of Agricultural Sciences, Sweden*
- 11:30-12:00 The effect of depletion of bovine serum extracellular vesicles on JAr sphere outgrowth
Aili Tagoma, *University of Tartu, Estonia*
- 12:00-13:30 Lunch
- 13:30-14:45 SEARMET results II
- 13:30-14:00 Investigating whether the presence of spermatozoa alters the physical characteristics and microRNA content of extracellular vesicles secreted by porcine oviductal epithelial cells in an in vitro model of the female reproductive tract
Lisa Thurston, *Royal Veterinary College, University of London, United Kingdom*
- 14:00-14:15 Bovine semen sex ratio alteration by colloid centrifugation and sperm sex determining dual colour FISH
Olavi Reinsalu, *University of Tartu, Estonia*
- 14:15-14:30 Dairy cattle fertility - impacts of metabolic stress and use of new technologies
Andres Valdmann, *Estonian University of Life Sciences, Estonia*
- 14:30-14:45 Preimplantation embryo metabolomics
Monika Nõmm, *Estonian University of Life Sciences, Estonia*
- CHANGE OF LOCATION to University of Tartu Assembly Hall, Ülikooli 18
- 16:15-17:00 The first language I spoke: a new era in intercellular communication
Alireza Fazeli, *University of Tartu/University of Sheffield*
Inaugural lecture for professorship in University of Tartu
- 17:00-18:00 Closing ceremony at University of Tartu Assembly Hall – drinks and appetizers