

ESRI Conference 2024

Social Program: [see website](#), and let us know your preferences [here!](#)

Tuesday 8th October

- 18.00h **Visit the Anatomic Museum** This museum is next to the lecture hall.
- 18:30 **Registration**
- 19:00 **Opening lecture: His-tor-RI: The immunogenetic link between reproduction and transplantation** Frans Claas
- 19:45 **Drinks + Live Music**

Wednesday 9th October

- 08:00 **Registration**
- NEW METHODS AND TOOLS IN REPRODUCTIVE IMMUNOLOGY**
- 08:30 **Key note: Utilizing primary HLA-G+ EVT and EVT-like cell lines to study maternal-fetal interactions** Tamara Tilburgs
- 08:55 **Tissue-Specific Immune Variation and Reconstitution in the Human Uterus** Niklas Björkström
- 09:20 **Lactobacillus crispatus Surface Layer Proteins, multifaceted players of women's health** Alexiane Decout
Selected orals
- 09:45 **The effect of co-inhibitory ligand expression by extravillous trophoblasts on conventional CD4+ T cell phenotype**
Liseanne van 't Hof
- 10:00 **Enhancing revascularization in ovarian tissue transplantation through ovarian endothelial cell supplementation: a novel therapeutical approach** Mariagiulia Spazzapan
- 10:15 **Impact of TCR and BCR signaling on vaccination response in pregnant women** Kristin Thiele
- 10:30 **Coffee/tea**
- AUTO-IMMUNE OR AUTO-INFLAMMATORY DISEASES, AND REPRODUCTION**
- 11:00 **Key note: How the Ingenuity of Pregnancy Informs and is Informed by Autoimmunity and Microchimerism** Lee Nelson
- 11:25 **Role of T-cell cytokines produced during pregnancy on autoimmune disorders and inflammatory diseases activity**
Marie-Pierre Piccinni
- 11:50 **Proof-of-concept that microchimeric cells arising from pregnancy are able to produce rheumatoid arthritis-specific autoantibodies** Nathalie Lambert
Selected orals
- 12:15 **The FaMaLE study: investigating failing maternal-fetal tolerance in pregnant women with SLE** Wendy Dankers
- 12:30 **Understanding the role of immune mediated inflammatory disease-related cytokines IL-17 and IL-23 in pregnancy**
Liana Barenbrug
- 12:45 **Lunch**
- PREECLAMPSIA: IMMUNOLOGIC ETIOLOGY AND BIOMARKERS OF OUTCOME**
- 13:45 **Preeclampsia** Mark Spaanderman
- 14:10 **Preeclampsia, fetal-maternal crosstalk and cardiovascular risk** Annetine Staff
- 14:35 **Galectins at the Heart of the Maternal Niche: Key Players in Feto-Maternal Harmony and the Path to Preeclampsia**
Sandra Blois
- 15:00 **High-dimensional profiling of maternal immune dynamics and the maternal-fetal immune landscape in preeclampsia** Dorien Feyaerts
Selected oral
- 15:25 **Prediction of hypertensive complications in oocyte donation pregnancy using fetal-maternal HLA-mismatches and PIRCHE-II scores: a multicenter cohort study in The Netherlands** Géraldine Lafeber
- 15:40 **Coffee/tea**
- 16:00 **Poster session**
- MATERNAL-FETAL EXCHANGE, INTERACTION, AND CLINICAL IMPLICATIONS**
- 16:55 **Autologous immune cell transfer through the human placenta in an ex vivo perfusion system** Udo Markert
- 17:20 **Is personalized management possible for FNAIT?** Joanne Verweij
- 17:45 **Regulation of human placentation by uterine Natural Killer cells** Ashley Moffett

Thursday 10th October

08:00 **Registration****MALE REPRODUCTIVE IMMUNOLOGY, ENDOMETRIAL IMMUNITY, AND IMPLANTATION FAILURE**08:30 **Immunological alterations in subfertile men** Jean-Pierre Allam08:55 **MAIA, the human-specific oocyte ligand, facilitates gamete membrane fusion** Katerina Komrskova09:20 **Immune polymorphic marker expression in sperm quality evaluation** Irene Athanassakis*Selected orals*09:45 **N-Acetylcysteine prevents Acetaminophen-induced subfertility in mice** Maria Victoria Bazzano10:00 **The immune-silenced dialogue in endometrial cancer TME escape: could the volume be tuned up by the fetal-maternal immune tolerance cross-talk?** Valentina Bruno10:15 **Galectin-1: A Key Regulator of Ovarian Follicle Balance and Angiogenesis Under Controlled Ovarian Hyperstimulation**
Xue Wang10:30 **Coffee/tea****BEST ABSTRACT SESSION - ORAL PRESENTATIONS**11:00 **Dysregulated immune checkpoint inhibitor expression is evident in women with chronic histiocytic intervillitis before they conceive** Emily Cornish11:15 **Decidual natural killer cells promote extravillous trophoblast developmental pathways: evidence from trophoblast organoid co-cultures** Morgan L. Zych11:30 **Differential Effect of Prenatal Challenges on Fetal Microglia in Mice** Ragnar Rabe11:45 **Maternal-fetal HLA compatibility and pregnancy outcome in a genetically isolated population** Liseanne van 't Hof**BEST POSTER SESSION - ORAL PITCH PRESENTATIONS**12:00 **Oral - best poster** – to be selected from the poster session12:05 **Oral - best poster** – to be selected from the poster session12:10 **Oral - best poster**– to be selected from the poster session12:15 **Oral - best poster**– to be selected from the poster session*(After this session: Photomoment of 10 EFIS Travel Grand winners, award winners please come forward)*12:30 **Lunch**12:45 **General assembly ESRI****PRECONCEPTIONAL IMMUNOLOGICAL CHALLENGES**14:00 **Key note: Menstrual Effluent Analysis: Emerging Insights into Endometriosis Diagnosis and Treatment** Christine Metz14:25 **Periconception microbiome & immunology** Sam Schoenmakers14:50 **Endometrial immune profiling and targeted therapy increase live birth rate after embryo transfer** Nathalie Ledée*Selected orals*15:15 **Exploring the Impact of an Anti-inflammatory Diet on Pain and Inflammatory Markers in Women with Endometriosis: a Feasibility Study** Aysel Gurbanova15:30 **Maternal galectin signature in pregnancy is related to insulin resistance** Mariana Garcia15:45 **T-helper cells populations in the endometrium and peripheral blood during the window of implantation** Rumiana Ganeva16:00 **Coffee/tea****PLACENTA MORPHOLOGY AND INFLAMMATION**16:30 **Prevention of recurrent placental rejection with an anti transplant rejection regimen** David Williams16:55 **Placental pathology** Lotte van der Meeren17:20 **3D organoid cultures to model cellular interactions in early human placentation** Sandra Haider*Selected orals*17:45 **Neutrophil Heterogeneity and Function in Early Placental Development: Regulators of trophoblast invasion?** Julia Kargl18:00 **Tacrolimus and hydroxychloroquine have no acute effects on placental explant morphology and immune cell composition** Chloe Brady18:15 **Prevalence and association of placental lesions with obstetrical features and outcome: data from French prospective study** Noémie Abisror19:30 **Conference Dinner + Awards** (FEBS open bio Best Poster Award and 2 JRI Young Investigator Awards for Clinical/Basic Science)

Friday 11th October

08:30 **Registration****PRETERM BIRTH AND IMMUNOLOGY**9:00 **Adverse neonatal outcomes following antenatal infection and mechanical ventilation in preterm born lambs; charting paths for cell based interventions** Tim Wolfs9:25 **Single-Cell Proteomic and Transcriptomic Immune Signatures Preceding Spontaneous Preterm Birth** Ina Stelzer
*Selected orals*9:50 **Chemokine Receptor Patterns and Trophoblast-Regulated Cytokine Production in Peripheral Gamma/delta T Cells During Early Human Pregnancy: Insights into Potential Migratory Pathways** Banan Alrawashdeh10:05 **Engagement of CD96 (TACTILE) on human uterine NK cells contributes to cell activation** Corinna Mayer10:20 **Coffee/tea****RECURRENT PREGNANCY LOSS: IMMUNOLOGICAL ETIOLOGY AND IMMUNOTHERAPY**10:50 **Prevention of Recurrent Pregnancy Loss by prednisolone?** Yentl Béquet11:15 **Immunotherapy in Recurrent Pregnancy Loss, (why) do we need RCTs?** Lisa Lashley11:40 **The potential of lifestyle changes in recurrent pregnancy loss** Tess Meuleman
*Selected orals*12:05 **Impact of moderate aerobic exercise intervention on Natural Killer cells in women with unexplained Recurrent Pregnancy Loss** Amber Lombardi12:20 **Intravenous immunoglobulin and prednisolone to women with unexplained recurrent pregnancy loss undergoing assisted reproductive technology treatment: a randomized, double-blinded, placebo-controlled trial** Ole Christiansen12:35 **IL-34 regulated by HNF4A/circ_100737/GRP78 axis impairs placentation and maternal-fetal tolerance in recurrent pregnancy loss** Songcun Wang12:50 **Lunch****TRANSFER OF IMMUNITY AND PATHOGENS TO THE FETUS**13:45 **Prenatal modulation of infant immunity against infection** Petra Arck14:10 **Extracellular vesicle messaging between the immune system and the placenta** Beth Holder14:35 **Semi Live C-section** Marie-Louise van der Hoorn15:00 **Thank you and good-bye**