

Symposium: Innovative Fetal Diagnosis & Therapies

Date: Friday 8th of December 2023 Time: 09.30 – 16.30

Location: Karolinska Institutet (KI), ANA Futura room 9Q Månen, floor 9, Alfred Nobles Allé 8, Flemingsberg

Program

09.30 – 10.00 **Registration and Coffee**

10.00 – 10.15 Welcome & Introduction

Ganesh Acharya, Head of Division of Obstetrics & Gynecology, Dept. of Clinical Science, Intervention and Technology (CLINTEC), KI

Chairs of the morning session: Assoc. Prof. Gunilla Ajne and Assoc. Prof. Sverker Ek

10.15 – 10.40 Perinatal therapy using fetal mesenchymal stem cells

Cecilia Götherström, Associate Professor, CLINTEC, KI

10.40 – 11.05 Making embryo models and cell therapies using embryonic stem cells

Fredrik Lanner, Assistant Professor, CLINTEC, KI

11.05-11.20 **Coffee Break**

11.20 -11.45 Toxic legacy: Fetal exposure to environmental chemicals

Pauliina Damdimopoulou, Senior Lecturer, CLINTEC, KI

11.45 – 12.10 Perinatal infections

Karin Pettersson, Associate Professor, CLINTEC, KI

12.10 – 12.30 Treatment of perinatal brain damage with human mesenchymal stem cells

Henrik Hagberg, Professor, University of Gothenburg

12.30 – 13.15 **Lunch (will be available in the venue)**

Chairs of the afternoon session: Assistant professor Lotta Herling and Dr. Peter Lindgren

13.15 – 13.45 Advanced fetal ultrasound imaging: Where are we today?

Peter Conner, Associate Professor, Director of Center for Fetal Medicine

13.45 – 14.15 Prenatal precision medicine: Advances in embryonic and prenatal genetic diagnosis

Andres Salumets, Professor of Reproductive Medicine, CLINTEC, KI

14.15 – 14.45 Artificial Intelligence (AI) in embryonic & fetal medicine

Masoud Zamani Esteki, Associate Prof, Maastricht University,

14.45 -15.00 **Coffee break**

15.00 – 15.30 Recent advances in fetal therapy

Roland Devlieger, Professor of Maternal & Fetal Medicine, KU Leuven

15.30 – 16.00 Fetal therapy in Sweden: A historical perspective

Magnus Westgren, Professor Emeritus, CLINTEC, KI

16.00.- 16.30 **Thanking Magnus and concluding remarks**

19.00- **Dinner at Sjöfarhuset (Skeppsbron 10, SE-111 30 Stockholm) for invited speakers**