CTR Spring Half Day Seminar
Thursday 13th May 2021

Programme:

13:00 - 13:40  **Welcome and keynote**
Prof Kathy Niakan (Director of Centre for Trophoblast Research)
*Molecular mechanisms regulating human trophectoderm initiation*

13:40 - 14:25  **Session 1: Early trophoblast and placental immunology**
Chair: Dr Irving Aye

*Delineating regulators of primate trophoblast development from preimplantation to early invasion*
Dylan Siriwardena (Department of Physiology, Development and Neuroscience)

*Primitive macrophage progenitors in the first trimester human placenta*
Jake Thomas (Department of Pathology)

*Analysis of human placental macrophages and the identification of emerging populations during pregnancy*
Anna Appios (Department of Pathology)

14:25 - 14:40  **Coffee Break**

14:40 - 15:25  **Session 2: The placenta in health and disease**
Chair: Dr Vicente Perez-Garcia

*The RNA landscape of the human placenta in health and disease*
Dr Sung Gong (Department of Obstetrics and Gynaecology)

*Maternal and fetal p110α deficiency induces sex-specific changes in feto-placental growth and placental mitochondrial function*
Daniela Pereira Carvalho (Department of Physiology, Development and Neuroscience)

*Diet-induced maternal obesity leads to reduced uterine compliance and fetal growth-restriction in a murine model*
Antonia Hufnagel (Institute of Metabolic Science)

15:25 - 15:55  **Keynote speaker** (introduced by Dr Courtney Hanna)
Prof Jenny Nichols (Stem Cell Institute)
*Specification of trophectoderm in the early mammalian embryo*