**ANZPRA Online Satellite Programme**

**Thursday 22nd October - 1-4pm NZT / 11am-2pm AEST / 9am – 12pm in WA.**

**Please note the schedule below is in NZT.**

**Session 1:** **Placental development, uterine adaptation, and fetal growth**

* **1pm – Welcome, Jo James**
* **1:05-1:20pm - Anna Boss** (University of Auckland). Multicolour flow cytometry reveals progenitor heterogeneity in the placental core across gestation and in FGR.
* **1:20-1:35pm - Nik Bappoo** (University of Western Australia). Computational modelling of the placental circulation.
* **1:35-1:50pm - Chi Lynch-Sutherland** (University of Otago). The placenta as a model to understand retroviral-mediated invasion in pregnancy and cancer
* **1:50-2:05pm – Dr Jessica Hebert** (Oregon Health and Science University, USA). The impact of fetal sex on uteroplacental vascular adaptation.
* **2:05-2:20pm - Ashley Meakin** (University of Queensland). Sex specific differences in placental androgen signaling impact fetal growth.

15min option to join breakout sessions with speakers, or walk away and take a real break.

**Session 2:** **Factors released from the placenta – mechanisms, biomarkers and therapies.**

* **2:45-3pm:** **Melanie Smith (**University of Adelaide). miRNA clusters and other placenta derived transcripts as pregnancy biomarkers in maternal plasma.
* **3:00 -3:15pm** – **Dr Priya Pantham** (University of California San Diego, USA). Optimisation of transcriptomic profiling of small RNA from urinary extracellular vesicles during pregnancy.
* **3:15-3:30pm - Dr Sandy Lau** (University of Auckland). The effect of placental EVs on maternal cardiovascular adaptation to pregnancy.
* **3:30-3:45pm –** **Dr Nanthini Jayabalan** (University of Queensland). The potential role of adipose tissue derived exosomes on placental function in gestational diabetes pregnancy.

15min option to join breakout sessions with speakers.

**4-4:30pm ANZPRA AGM**