



ANZPRA

Australian and New Zealand Placental Research Association

VIRTUAL SATELLITE MEETING 2021

Tuesday 14th December

11am - 4pm (AEDT) | 8am - 1pm (AWST) | 1pm - 6pm (NZDT)

11:00am **Welcome - A/Prof Natalie Hannan, ANZPRA President**

Session 1: Lessons from animal models

Chairs: Natasha de Alwis & Anandita Umapathy

11:10am **Dr Rebecca Wilson, University of Florida**
Understanding placental and fetal responses to nanoparticle gene therapy in the guinea pig maternal nutrient restriction model of fetal growth restriction.

11:30am **Dr Ashley Meakin, University of South Australia**
Altered drug metabolism in the materno-feto-placental unit: insight gained from sheep models of fetal growth restriction and maternal undernutrition

11:50am **Dr Camilla Whittington, University of Sydney**
Lizard, shark, and seahorse placental function and evolution

Session 2: High risk populations of poor pregnancy outcomes

Chairs: Bridget Arman & Lucy Bartho

12:10pm **Dr Karaponi Okesene-Gafa, University of Auckland**
The Healthy Mums and Babies randomised controlled trial

12:30pm **Dr Ricardo Ataide, Walter and Eliza Hall Institute/University of Melbourne**
Hofbauer cell profiles during malaria in pregnancy

12:50pm **Dr Emily Camm, The Hudson Institute of Medical Research**
The impact of maternal obesity on placental phenotype and offspring neurodevelopment

1:10pm **Lunch break**

Session 3: New and emerging vascular changes in pregnancy

Chairs: Bianca Fato & Rhiannon Eastment

1:40pm **Dr Kristen Bubb, Biomedicine Discovery Institute/Monash University**
The role of C-type natriuretic peptide in stimulating angiogenesis: Does this have implications in pregnancy?

2:00pm **Shanna Hosking, Robinson Research Institute/University of Adelaide**
Regulatory T cells modulate innate immune cells to promote vascular adaptations in mouse pregnancy

2:20pm **Nik Bappoo, Harry Perkins Institute/University of Western Australia**
In silico feto-placental research and novel insights into the breath of life, cardiac remodelling and interspecies relationships

Keynote Speaker

Chair: Sarah Marshall

2:40pm - 3:20pm **Prof. Angela Makris, Western Sydney University**
Animal models of preeclampsia for clinical therapeutic development

3:30pm **ANZPRA Annual General Meeting (AGM)**

4:00pm **Meeting close**



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