

Program: European Workshop on Fetal Growth Restriction

Wednesday 4th July 2018

6:30pm **Welcome Reception: Monash Prato**

Thursday 5th July 2018

Session 1: Definition, Biomarkers and Screening for FGR
Chair: **Dr Kirsten Palmer**

8:55am	Prof Euan Wallace <i>Introduction and welcome</i>
9:00am	Prof Sue Walker <i>Defining FGR; Blind Men and Elephants</i>
9:25am	Prof Gordon Smith <i>The definition of Fetal Growth Restriction and how to screen for affected pregnancies</i>
9:50am	Dr Tu'uhevaha Kaituu-Lino <i>New biomarkers for the detection of fetal growth restriction</i>
10:40am	Morning Tea

Session 2: Emerging Clinical Data
Chair: **Prof Euan Wallace**

11:15am	Prof Anna David <i>EVERREST trial</i>
11:40am	Dr Katie Groom <i>Sildenafil for FGR – the STRIDER Trials</i>
12:05pm	Dr Christoph Lees <i>Fetal compromise in the third trimester: The planned TRUFFLE 2 Study</i>
12:30pm	Dr Miranda Davies-Tuck <i>Does a change in practice to prevent term stillbirth improve the detection of small babies?</i>
	Abstract session
12:50pm	Dr Rebecca Spencer <i>Maternal serum concentration of placental growth factor may help in targeting therapies for fetal growth restriction that aim to increase uterine artery volume flow</i>
1:00pm	Lunch

Program: European Workshop on Fetal Growth Restriction

Thursday 5th July 2018

Session 3: Mechanisms and Morbidities – Cardiovascular Chair: Dr Beth Allison & Dr Tamara Yawno

2:00pm	Prof Berndt Urllesberger <i>FGR infants: Cerebral oxygenation and its aspects during immediate neonatal transition</i>
2:25pm	Prof Janna Morrison <i>Is timing everything: Cardiorespiratory consequences of IUGR</i>
2:50pm	A/Prof Graeme Polglase <i>Early detection of altered cardiovascular function in preterm FGR lambs and babies</i>
3:10pm	Prof Rosemary Horne <i>Cardiovascular consequences of sleep disordered breathing in children born preterm</i>
	Abstract sessions
3:30pm	Dr Elizabeth Cottrell <i>Maternal beetroot juice supplementation improved cardiovascular function in pregnant eNOS mice and has therapeutic potential in hypertensive pregnant women</i>
3:40pm	Fieke Terstappen <i>Prenatal sildenafil treatment improves long-term cardiovascular function in offspring of Dahl salt-sensitive rats</i>
3:50pm	Afternoon tea

Session 4: Mechanisms and Morbidities, Brain I Chair: A/Prof Suzie Miller

4:15pm	Prof Dino Giussani <i>Chronic fetal hypoxia markedly impairs fetal brain sparing responses to acute stress</i>
4:40pm	Prof Carina Mallard <i>Are systemic bacterial infections injurious to the preterm brain?</i>
5:05pm	Dr Emily Cohen <i>Brain-sparing; benefit or burden?</i>
5:20pm	Dr Margie Castillo-Melendez <i>Neuroprotective effects of umbilical cord blood cells in late pre-term growth restriction</i>
5:30pm	Prof David Walker <i>Animal Models for Obstetric Problems - Sense or Nonsense?</i>
7:30pm	Conference Dinner, La Limonaia

Program: European Workshop on Fetal Growth Restriction

Friday 6th July 2018

Session 5: Mechanisms and Morbidities, Brain II

Chair: Dr Margie Castillo-Melendez

8:45am	Prof Petra Hüppi <i>Neurodevelopment in IUGR and prematurity: Neuroimaging</i>
9:10am	A/Prof Michael Stark <i>Impact of fetal growth restriction on brain perfusion and metabolism in the perinatal and immediate neonatal period</i>
9:35am	Dr Atul Malhotra <i>Umbilical cord blood stem cell therapy for fetal growth restriction</i>
	Abstract Sessions
9:55am	Dr Ellen Meijer <i>The pig as a model for brain development in low-birthweight human infants</i>
10:05am	Dr Joakim Ek <i>Identifying biomarkers of preterm brain injury from whole blood transcriptomic analysis in a sheep model of intrauterine asphyxia</i>
10:15am	Dr Clare Whitehead <i>Fetal MRI evidence of reduced oxygen delivery in late onset FGR is associated with a reduction in neonatal brain size, maturation and connectivity that may lead to adverse neurodevelopment outcomes</i>
10:25am	Dr Maryam Adalam <i>Dysmaturation of GABAergic interneurons following umbilical cord occlusion in preterm fetal sheep</i>
10:45am	Morning Tea
	Session 6: Designing and Implementing Large RCT's Chairs: Prof Rosemary Horne
11:15am	Prof Ben Mol <i>What should intervention trials in fetal growth restriction look like?</i>
11:40am	Dr Sanne Gordijn <i>Standardization in FGR studies; do you agree?</i>
12:05pm	Dr Wessel Ganzevoort <i>MCA Doppler in (near) Term SGA - Indicator of FGR and an Indication for delivery?</i>
	Abstract Session
12:30pm	Dr Liset Hoftiezer <i>Risk factors for intrauterine growth restriction and low birthweight: myth or reality?</i>
12:40pm	Poster session
1:20pm	Lunch

Program: European Workshop on Fetal Growth Restriction

Friday 6th July 2018

Session 7: Interventions

Chair: A/Prof Graeme Polglase & Dr Atul Malhotra

1:50pm	Prof Colin Sibley <i>Developing phenotype-specific treatments for placental dysfunction</i>
2:15pm	Dr Ed Johnstone <i>New and old treatments for placental disease</i>
2:40pm	Dr Stacey Ellery <i>Placental Creatine Synthesis in Fetal Growth Restriction: Implications for Placental Bioenergetics and Potential Intervention Strategies.</i>
3:00pm	Dr Beth Allison <i>Understanding the role of vessels in the pathology of growth restriction</i>
3:20pm	Dr Kirsten Palmer <i>PROTECT Me: A Randomised Controlled Trial of Antenatal Melatonin Supplementation in Fetal Growth Restriction for Fetal Neuroprotection</i>
	Abstract Sessions
3:40pm	Dr Tamara Yawno <i>Treating the growth restricted fetus with progesterone - a natural neuroprotective therapy?</i>
3:50pm	Prof Ekkehard Schlei�ner <i>Pentaerithryl tetranitrate (PETN) for secondary prevention of intrauterine growth restriction (PETN-Trial)</i>
4:00pm	Afternoon Tea
	Session 8: Advancing Healthy Pregnancies Joint EPRD Symposium Chairs: Dr Stacey Ellery and A/Prof Peter Temple-Smith
4:20pm	Dr Fiona Denison <i>Placental imaging and MR Spectroscopy - a window into placental function?</i>
4:45pm	Dr Rebecca Spencer <i>Developing standard maternal and fetal adverse event severity grading criteria: building the framework for trials of obstetric and fetal therapies</i>
	Abstract Session
5:10pm	Dr Lynne Warrander <i>Does severity of early-onset fetal growth restriction affect long-term fetal heart rate patterns?</i>
	Closing Session
5:20pm	Prof Euan Wallace <i>Fetal growth restriction - full steam ahead or steady as we go?</i>
7:00pm	Joint function, FGR workshop and EPRD symposium – Il Dek, Prato