

# AUSTRALIAN and NEW ZEALAND Placental Research Association

Satellite meeting 2013



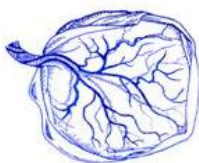
**Novotel**

**Darling Harbour**

**25<sup>th</sup> August 2013**



## Programme



*Australia and New Zealand  
Placental Research Association*



THE UNIVERSITY OF  
**SYDNEY**

# ANZPRA Satellite Programme Overview

## Major Aims

1. Create a forum for ANZPRA members to network, exchange ideas and set up collaborations.
2. Provide an opportunity for ANZPRA members including ECRs to showcase their research.
3. Update ANZPRA members on key advances emerging in the field around the world.

8.00-8.30	Registration
8.30-8.35	<b>Welcome - President of ANZPRA</b>
8.35-10.00	<b>Session 1. <i>Trophoblast and Decidual interaction and Placental Development</i></b>
10.00-10.30	Coffee Break
10.30-12.00	<b>Session 2. <i>A Healthy Start To Life</i></b>
12.00-12.50	Lunch Break
12.50-1.00	<b>Update - Editor of Placenta</b>
1.00-2.30	<b>Session 3. <i>Placental Microenvironment</i></b>
2.30-3.00	Coffee Break
3.00-3.45	<b>Session 4. <i>What's Hot in Placental Research</i></b>
3.45-4.15	<b>ANZPRA AGM</b>

## DETAILED PROGRAMME- SUNDAY 25<sup>th</sup> AUGUST

8.30 am      PRESIDENT'S WELCOME: *Professor Claire Roberts*

### SESSION I – Trophoblast and Decidual interactions and Placental Development

Chairs: *Padma Murthi and Bill Kalionis*

8.35 am      Culturing Cytotrophoblasts Reverses Gene Dysregulation in Preeclampsia Revealing Possible Causes  
*Speaker: Professor Susan Fisher, UCSF California*

9.00 am      Does the extent of decidualization matter in placentation?  
*Speaker: A/Professor Eva Dimitriadis, Prince Henry's Institute, Monash University*

9.20 am      The placental renin angiotensin system: implications for pregnancies complicated by placental insufficiency  
*Speaker: Dr Kirsty Pringle, Mothers and Babies Research Centre Hunter Medical Research Institute*

9.40 am      Placento-Maternal Transfection: Exosomes as surrogate biomarkers of placental function  
*Speaker: Dr Carlos Salomon, University of Queensland Centre for Clinical Research*

10.00 am      COFFEE BREAK

### SYMPOSIUM II – A Healthy Start to Life

Chairs: *Megan Jones and Jonathan Morris*

10.30 am      Placental specific mRNA in the maternal circulation: novel biomarkers of placental function to predict adverse pregnancy outcomes  
*Speaker: Dr Clare Whitehead, Mercy Hospital for Women, University of Melbourne*

10.55 am      Role of the Beta isoform of the thromboxane A<sub>2</sub> receptor in preeclampsia – integrating oxidative stress and poor placentation.  
*Speaker: Dr Anthony Ashton, Kolling Institute, University of Sydney*

11.15 am      Melatonin as an antioxidant strategy for the management of preeclampsia  
*Speaker: Dr Rebecca Lim, The Rickie Centre for Translational Medicine, Monash Institute of Medical Research*

11.40 am Identification of candidate genes in human placenta involved in the development of childhood allergy  
*Speaker: Dr Astrid Tuck, Robinson Institute, University of Adelaide*

12.00 am LUNCH

12.50 pm Update – Editor Placenta: *A/Professor Vicki Clifton*

### **SESSION III – Placental Microenvironment**

*Chairs: Tony Perkins and Peter Mark*

1.00 pm Progesterone metabolism in the placenta in clinical states of parturition and fetal growth restriction.  
*Speaker: Dr Penny Sheehan, The Royal Women’s Hospital, Victoria*

1.25 pm Fas signalling at the maternal fetal interface regulates maternal immunity – the role of placental exosomes.  
*Speaker: Dr Sharon McCracken, Kolling Institute, University of Sydney*

1.45 pm Loss of the slc13a4 sulfate transporter causes fetal death in mice  
*Speaker: Joanna Rakoczy, School of Biomedical Sciences, University of Queensland, Mater Research, Translational Research Institute, Queensland*

2.10 pm Killer antibodies- an unexpected mechanism by which antiphospholipid antibodies contribute to preeclampsia  
*Speaker: Ms Chez Viall Auckland University*

2.30 pm COFFEE BREAK

### **SESSION IV – What’s Hot in Placental Research**

*Chairs: Tina Bianco-Miotto and Guiying Nie*

3.00 pm Selective delivery of placental therapeutics using nanotechnology  
*Speaker: Professor Jeffrey Keelan, University of Western Australia*

3.25 pm The role of DNA methylation in placental function  
*Speaker: Dr Boris Novakovic, Murdoch Children’s Research Institute, Victoria*

3.45 pm ANZPRA AGM