

ANZPRA

Australian and New Zealand Placental Research Association



Clinical & Health Sciences



THE UNIVERSITY of ADELAIDE

150 YEARS



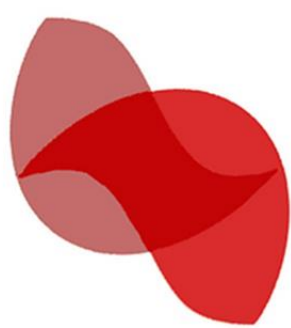
ROBINSON RESEARCH INSTITUTE

A blend of discovery and translational research

ANZPRA 2024 SATELLITE MEETING

Thursday 14th November

8:20	Registration open
9:00	Welcome & Acknowledgements
Session 1	
Chair: Claire Roberts	
9:10	Keynote presentation Alison Care, The University of Adelaide <i>Immune and Vascular Interactions in Early Pregnancy: Implications for Health and Disease</i>
9:55	Panel discussion: <i>Maternal Endothelial Dysfunction: Placental or Predestined?</i> Laura Parry, Alison Care, Jess Gehlert, Natalie Hannan
10:30	Morning tea
11:00	Icebreaker activity
Session 2	
Chairs: Ashley Meakin & Lucy Bartho	
11:15	Sreeparna Bhaumik, The University of Queensland <i>Glucocorticoid receptor (GR)α-D1 expression increases with inflammation and glucocorticoid treatment in placental explants, ex vivo</i>
11:35	Bianca Fato, The University of Melbourne <i>High glucose availability alters the proteomic profile of small placental extracellular vesicles and their ability to induce endothelial dysfunction</i>
11:55	Emmanuel Godinho, University of Leeds <i>Investigating miR-200c in the human placenta</i>
12:15	Melanie Young, Queensland Institute of Medical Research <i>The smoking-preeclampsia paradox: possible role of nicotine in reducing the risk of preeclampsia</i>
12:22	Elly Walters, The University of Adelaide <i>Derivation of cynomolgus monkey induced trophoblast stem cells via nuclear reprogramming</i>
12:30	Lunch Student Workshop: Lucy Bartho & Claire Richards
Session 3: Discovery, science and cohorts	
Chairs: Jess Williamson & Sarah Marshall	
1:30	Caitlin Wyrwoll, The University of Western Australia <i>Nitrate contamination of Australian drinking water and pregnancy outcomes: placental considerations and beyond</i>
2:00	Olivia Holland, Griffith University <i>The Placental Health Study – Mapping Health Across Pregnancy</i>
2:30	Kirsty Pringle, The University of Newcastle <i>New strategies to address renin-angiotensin system dysregulation in pregnancy</i>



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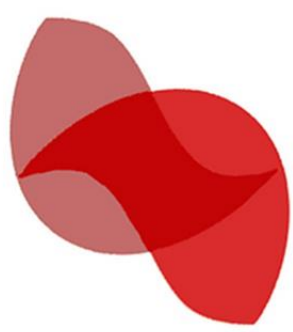


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3:00	Afternoon tea
Session 4	
Chairs: Demi Georgiou & Natalie Binder	
3:30	Anya Arthurs, Flinders University <i>Genetically editing placental organoids to uncover molecular mechanisms underpinning gene associations</i>
3:55	Siddharth Acharya, The University of Newcastle <i>The mechanisms underpinning mitochondrial remodelling in cytotrophoblasts and the syncytiotrophoblast</i>
4:08	Ananya Raman, University of Technology Sydney <i>Development of the first trimester vascularised placental organoids with tuneable extracellular matrices</i>
4:21	Sunhild Hartmann, The University of Melbourne <i>Investigating the Contribution of P300 to Preeclamptic Senescence</i>
4:34	Veronica Botha, The University of Newcastle <i>Deciphering Placental Iron-Sulfur Cluster Assembly in Fetal Growth Restriction</i>
5:00	Meeting close
6-10	Conference dinner Serafino Wines

Friday 15th November

Session 5: New techniques for viewing the placenta	
Chair: Evie Lovell & Amy Wooldridge	
9:00	Jo James, University of Auckland <i>Integrated imaging approaches to improve understanding of the fetoplacental circulation</i>
9:30	Janna Morrison, University of South Australia <i>Seeing the placenta and the fetus</i>
10:00	Claire Richards, University of Technology Sydney <i>Advanced microscopy techniques for assessing 3D cell models of the placenta</i>
10:30	Morning tea
Session 6	
Chair: India Brooker & Melanie Smith	
11:00	Amy Wooldridge, The University of Adelaide <i>Advanced maternal age: consequences for vascular adaptations to pregnancy</i>
11:25	Ashley Meakin, University of South Australia <i>The impact of betamethasone and sex on ovine placental androgen signalling</i>
11:45	Jessica Williamson, Flinders University <i>High folic acid dysregulates placental hormone secretion: a potential pathway to Gestational Diabetes Mellitus (GDM)?</i>
12:00	Lunch
Session 7: 2023 ANZPRA ECR Awardee presentations	
Chair: Ananya Raman & Josh Fisher	
1:00	Bianca Fato & Amy Garrett



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	<p><i>Assessing the role of gap junctions in the initiation of labour using primary ex vivo models of myometrial contractility</i> (Natasha De Alwis) & Rebecca Brady <i>Investigating the effect of thyroid antibodies on migration and function of first trimester placental cells</i></p>
1:30	Panel discussion: Collaborations, Consumers & Grants Tu'uhevaha Kaitu'u-Lino, Lauren Perry, Tony Perkins
2:30	Afternoon tea
3:00	ANZPRA AGM Natalie Hannan, Sarah Marshall, Kirsty Pringle
4:00	Closing Remarks
4.05	Networking and drinks Serafino Cellar Door
5:00	Meeting close