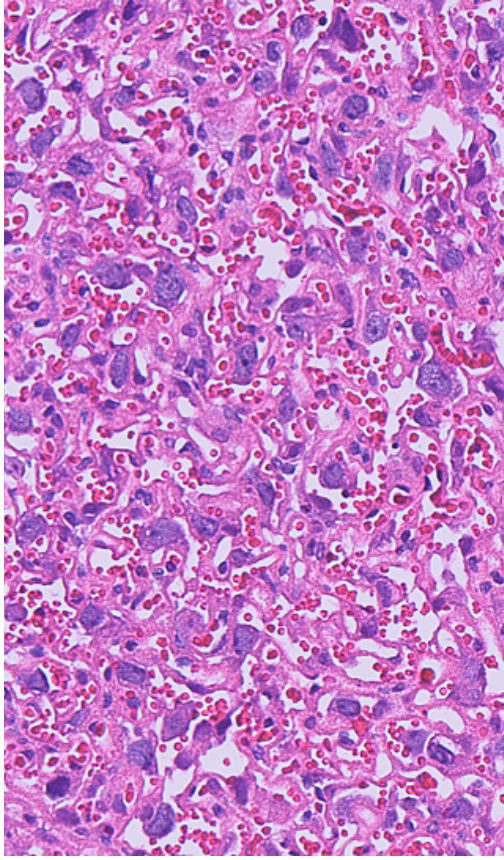

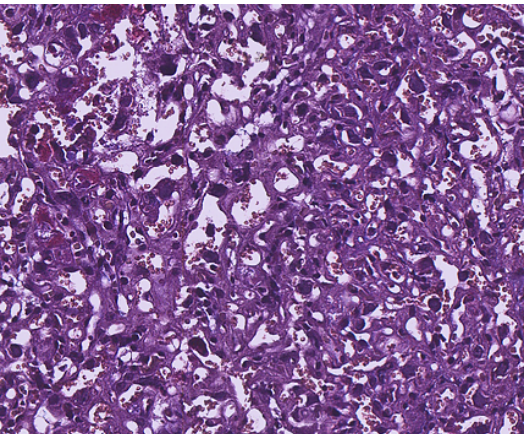

IFPA-ANZPRA SATELLITE MEETING 2022 PROGRAMME

Nov 17th-18th, Hanmer Springs Hotel, North Canterbury

IFPA
International Federation of Placenta Associations

ANZPRA
Australian and New Zealand Placental Research Association

Day 1 - 17th November

8:00 am-8:50am **Registration**

8:50am-9:00am **Welcome and Acknowledgements**

Professor Natalie Hannan & Associate Professor Jo James

9:00am-10:30am **Te Pō nui – Session I**

Moderators TBA

Evidence for primitive blood progenitors in first trimester placentae

Dr Anna Boss, University of Auckland

First trimester placenta is dependent on aerobic glycolysis to facilitate growth and development

Dr Joshua Fisher, University of Newcastle

Prenatal alcohol exposure is associated with sex-specific alterations in placental acetylcholine

Sarah Steane, University of Queensland

Day 1 - 17th November

Upregulation of pregnancy disease-related proteins in micro-vesicles from human placentae following treatment with an antiphospholipid antibody in vitro
Bridget Tsai, University of Auckland

Placental release of Corticotropin-Releasing Hormone (CRH) mRNA within extracellular vesicles (EVs) is inhibited by nitric oxide
Nilanjana Paul, University of Newcastle

Integrin β1, is involved in the uptake of placental large extracellular vesicles by endothelial cells
Yourong Feng, University of Auckland

10:30am-11:00am Morning Tea

11:00am-12:30pm **Te Pō namunamu ki taiao**
Moderators TBA

Speakers and Titles TBA

Day 1 - 17th November

12:30pm-1:30pm Lunch

1:30pm-2:30pm **IFPA-ANZPRA Koru Award Session**

Moderators: Associate Professor Kirsty Pringle & Dr Natasha de Alwis

Award finalists to be announced soon!

2:30pm-3:30pm **ECR Lightning Talks**

Moderators: TBA

Leucine-rich repeat-containing G-protein coupled receptor 5 (LGR5) and its ligand expression in preeclampsia, possible functional roles in progenitor cytotrophoblasts

Georgia Wong, University of Melbourne

Invasive placentation a double edged sword? Transposable elements in the placenta and cancer

Chi Lynch-Sutherland, University of Otago

Day 1 - 17th November

The autocrine role of placental extracellular vesicles from missed miscarriage in causing senescence: possible pathogenesis of missed miscarriage

Yi Zhang, University of Auckland

Placental extracellular vesicles contain vascular function-associated proteins: a potential mechanism by which the fetus may control maternal vascular adaptation to pregnancy

Xinyi Sun, University of Auckland

E**valuating New Gene Delivery Technologies for Targeting FKBPL in Preeclampsia**

Dorsa Morshedi Rad, University of Technology Sydney

SPINT1 levels are reduced in the maternal circulation of pregnancies with placental insufficiency, manifesting as concurrent preeclampsia and fetal growth restriction

Ciara Murphy, University of Melbourne

Day 1 - 17th November

The role and regulation of endothelin-1 in gestational diabetic patients on diet versus insulin treatment

Bianca Fato, University of Melbourne

Investigating transposable element-derived genes in pre-eclampsia

Laura Keighley, Univeristy of Otago

3:30pm-4:00pm Afternoon Tea

4:00pm-5:00pm **ANZPRA Plenary Speaker**

Moderator: Professor Natalie Hannan

Placental extracellular vesicles cause long-term changes to maternal physiology

Professor Larry Chamley, University of Auckland

Day 1 - 17th November

6:00pm-Late

Conference Dinner

Monteiths Brewery
47 Amuri Avenue, Hanmer Springs 7334, New Zealand

Please bring: Your boogie shoes.

Day 2 - 18th November

9:00am-10:30am

Te Pō nui – Session II

Moderators: TBA

Circulating chemerin is increased preceding preeclampsia and upregulated with placental hypoxia

Dr Lucy Bartho, University of Melbourne

Phosphoglutamase-5 is dysregulated in pathological placenta and in models of placental dysfunction

Dr Natasha de Alwis, University of Melbourne

Developing a 3D microfluidics model of early placental tissue to elucidate FKBPL signaling in preeclampsia

Sahar Ghorbanpour, University of Technology Sydney

SLC38A4 amino acid transporter in placenta from pregnancies complicated by fetal growth restriction

Dr Elife Kadife, University of Melbourne

Day 2 - 18th November

Physical activity and sedentary behaviour during pregnancy and their associations with placental growth factors

Jade Kubler, University of Queensland

Decreased Angiotensin-Converting Enzyme 2 (ACE2) is associated with reduced nuclear receptor factor-2 (NRF2) driven antioxidant capacity in placentas associated with fetal growth restriction

Dr Sarah Delforce, University of Newcastle

10:30am-11:00am Morning Tea

11:00am-12:30pm **Pressure Cooker: The Future of Placental Research**

Moderator: Dr Sarah Delforce

Session I: Career Development & Diversity

Panel members: A/Prof Kirsty Pringle, Dr Joshua Fisher, Prof Natalie Hannan & Vladimira Foteva

Day 2 - 18th November

Session II: Opportunities & Engagement

Panel members: Dr Sarah Marshall, Dr Caitlin Wyrwoll, Dr Natasha de Alwis & further speakers TBA

12:30pm-1:30pm Lunch

1:30pm-2:30pm **Te Whai ao**

Moderators: Associate Professor Jo James & Dr Joshua Fisher

Unravelling the mysteries of spiral artery remodeling

Professor Gendie Lash, Guangzhou Women and Children's Medical Center

The Placenta in Demise: Can we detect it - can we do something about it

Professor Anthony Perkins, University of the Sunshine Coast

2:30pm-3:00pm Afternoon Tea

Day 2 - 18th November

3:00pm-4:30pm	**Enhancing Research Collaboration Workshop** Moderator: Dr Caitlin Wrywoll
4:30pm-5:00pm	**ANZPRA AGM** Moderator: ANZPRA Executive
5:00pm-6:00pm	**Networking**
6:00pm	**Meeting Close**