THEME – Model systems in placental research

Thursday 30th November 2023 – DAY 1

6.30 – 7.30 Optional activity: Surf Club Swim/Walk ALL ARE WELCOME! 8.00 – 8.50 Registration 8.01 – 9.10 Welcome + Acknowledgments 9.10 – 9.30 Developing placental xenograft models for therapeutic testing and discovery 1.02 – 9.30 Insulin sensitivity in pregnancy is associated with miRNA profile in circulating extracellular vesicles 9.45 – 10.00 Adapting 3D placentoid cultures for human trophoblast stem cells Targeting the C-type natriuretic peptide system to treat vascular dysfunction in ex vivo preeclamptic models 10.15 – 10.30 A novel approach to modelling chronic placental hypoxia/reoxygenation exposure in fetal growth restriction Morning tea 11.00 – 11.20 Bridging the gap between in vivo and ex vivo studies with computational techniques 11.20 – 11.40 Using animal models to tease apart how different biochemical markers of thyroid dysfunction increase risk of pregnancy complications 11.40 – 12.00 12.00 – 12.15 The impact of paternal stress on placental development mediated by the sperim epigenome Rapid Not Topics session #1 12.20 – 12.25 Rapid Hot Topics session #1 Placenta exports miRNAs associated with insulin sensitivity in small extracellular vesicles and regulate glucose metabolism in gestational diabetes 12.30 – 12.35 Rapid Hot Topics #1 Question Time Chair: TBD (ECR/Student) Chair: TBD (ECR/Student) Soumyalekshmi Nair exterior paportunities and aspirations — we welcome input and curiosity from all stages of career. This session will involve Panel discussions and engagement activity. 3.30 – 4.00 Alternoan tea Plenary Session: Maternal control of embryo implantation: understanding the gatekeeper 5.40 The surf Club Mologoplaba	Time	Title	Presenter / Who
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5.30 The Surf Club Mooloolaba	4.00 – 5.00		, -
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Friday 1st December 2023

Time	Title	Presenter
9.00 – 9.55	Factors and determinants of placental disease	Chair: TBD
9.00 – 9.20	PFAS exposure and its impacts on the placenta and offspring	Jacinta Martin
9.20 – 9.35	Unravelling soluble (pro)renin receptor-mediated endothelial dysfunction	Lachlan Schofield
9.35 – 9.50	Metabolic Convergence: Unravelling Iron Dysregulation in Fetal	Veronica Botha
	Growth Restriction due to Mitochondrial and Placental Dysfunction	
9.50 – 10.05	Rapid Hot Topics Session #2	Chair: TBD (ECR/Student)
9.50 – 9.55	Placental-specific ciclesonide to des-ciclesonide conversion is not	Ashley Meakin
	impacted by gestational age or placental sex	
9.55 – 10.00	Identification of Altered Protein Composition in Extracellular	Angel Nilesh D'Crus
10.00 – 10.05	Vesicles from Aspirin-Treated Women at High Preeclampsia Risk Rapid Hot Topics #2 Question Time	
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10.10 – 10.30	The how to and the what - from the ANZPRA collaborative award	Josh Fisher and Tess Symington
	winners (2022)	3,11111,51011
		Chair: Kirsty Pringle
10.30 – 11.00	Morning tea	
11.00 – 12.00	Session 4 – Clinical Perspectives	Chair: TBD
11.00 – 11.20	Prediction and prevention of placental dysfunction	Fabricio da Silvia Costa
11.20 – 11.40	Patterns of tobacco and nicotine use in pregnancy and preliminary	Angela Ratsch
	placental findings	
11.40 – 12.00	Sulforaphane in the management of preeclampsia	Neville Fields
12.00 – 1.30	Lunch	
1.00 – 3.00	Workshop 2: Networking with purpose The benefit and importance of networks for our research impact is clear. But how to network is less clear. This workshop will explore the value of networks, but most importantly how to network with a purpose for greatest impact. This session will involve a group discussion and activity.	Chaired by Natasha de Alwis and Lucy Bartho
3.00 – 3.30	Afternoon tea	
3.30 – 4.00	What's in your freezer?	Tony Perkins
4.00 – 5.00	Annual General Meeting (all are welcome)	Natalie Hannan, Kirsty Pringle
		and Sarah Marshall
5.00 onwards	Close – informal drinks (James Squire Pub Mooloolaba Wharf)	