

Online symposium: Novel perspectives in maternal and fetal health

Please register on Eventbrite to join: <http://bit.ly/NPMFH21Reg>

Wednesday, May 5th 2021, 9:00 – 10:00 am BST (British Summer Time)

Parallel poster sessions:

- Session 1: Imaging/modelling and new technologies
- Session 2: Pathology and Maternal Health
- Session 3: Proteo-genomics of the placenta

All posters accessible for comment from May 4 to May 8, 2021, for registered delegates only.

Thursday May 6th 2021, 8:00 am – 1:00 pm BST (British Summer Time)

8:00 am BST	Welcome	
	Section 1: Next generation models and diagnostics of PE and IUGR	
8:10 - 8:30	Carlos Salomon, U Queensland	Placental extracellular vesicles across gestation and their potential as early biomarkers of preeclampsia
8:30 - 8:40	Natalia Gebara, U Turin	Characterization and function of amniotic fluid derived extracellular vesicles in pre-eclampsia
8:40 - 9:00	Jo James, U Auckland	Knowledge is power: Linking anatomical and functional changes to improve the prediction and detection of fetal growth restriction
9:00 - 9:15	Q&A	
9:15 - 9:25	Samprikta Manna, UC Cork	Investigation of premature cellular senescence in Pre-eclampsia and Intrauterine Growth restriction
9:25 - 9:35	Jessica O'Callaghan, Queensland U of T	Sex-specific methylation and expression differences in the placenta of infants born small for gestational age
9:35 - 9:45	Gwenaëlle Rabussier, Mimetas	Development of a 3D microphysiological placenta in-vitro model as a tool for drug transport studies
9:45 - 10:05	Patricia Maguire, UC Dublin	AI_PREMie: a novel risk stratification tool for preeclamptic toxemia
10:05 - 10:20	Q&A	
10:20 - 10:50	Panel discussion: Challenges in pregnancy research	



10:50 am BST	Section 2: Adverse pregnancies, a stress test for further maternal complications	
10:50 - 11:10	Susan Ozanne, U Cambridge	Exploring the consequences of obesity during pregnancy for mother and child: a window of opportunity
11:10 - 11:30	Asma Khalil, St George's Hospital, U of London	Impact of Covid-19 on pregnancy
11:30 - 11:45	Q&A	
11:45 - 11:55	Antonia Hufnagel, U Cambridge	Diet-induced maternal obesity leads to reduced uterine artery compliance and fetal growth-restriction in a murine model
11:55 - 12:05	Rachael Crew, U of Western Australia	Characterising the structural, haemodynamic and molecular phenotype of the feto-placental vascular network in a rat model of fetal growth restriction
12:05 - 12:25	Peter Barrett, UC Cork	Hypertensive disorders of pregnancy and the risk of chronic kidney disease: A Swedish registry-based cohort study
12:25 - 12:40	Q&A	
12:40 - 13:00	Prizes Prizewinning posters: Elevator pitches Close	

