
Session A6

Room: Brookfield, Wednesday 3.15- 6pm

Technology in Perinatal Healthcare: Helping Mums and Babies

Chair: Charles Garvey, CEO of Metabolomic Diagnostics

- Dr Yoke Yin Lim: Leanbh Study
- Caroline Nolan: PARROT study
- Prof Louise Kenny: Overview on Perinatal Research

The INFANT centre is focused on improving outcomes for pregnant women and newborn babies. Funded by Science Foundation Ireland, the multi-disciplinary team includes clinicians, scientists, engineers, nurses and research support staff. INFANT's mission is to make pregnancy safer and to improve health outcomes for mothers and babies worldwide. INFANT's research studies have a proven national and global impact, combining research expertise with industry partnerships to investigate perinatal healthcare solutions. INFANT's approach on Connected Health combines elements of hardware electronics and software with clinical applications. They aim to provide local and remote monitoring solutions for the monitoring of pregnant women and newborn babies. By facilitating personalised healthcare in the home and community, INFANT meets the challenges facing early diagnosis of birth complications. Our collaboration with IBM, using their InfoSphere Streams Technology, has resulted in projects like Babylink providing decision support for the neonatal unit by real-time processing of large amounts of anonymised physiological data. INFANT's research has a unique capacity to assist in clinical decision-making across multiple sites, with significant potential for future applications beyond the NICU. The potential of the research is both medical and commercial.