

# Placental abnormalities and fetal hypoxia

## Honours or HDR Project Description

Project Title	Characterisation of placental abnormalities in pregnancies complicated by antenatal and intrapartum fetal compromise
Project duration:	1-3 years
Availability	Research Quarter 1 2022
Description:	This project aims to elucidate placental changes in pregnancies complicated by perinatal hypoxia. It will involve developing models of trophoblast culture, investigating hypoxia related changes and potentially identifying suitable biomarkers for clinical use to identify pregnancies at risk. This project will be nested within a larger Medical Research Future Fund funded trial.
Expected outcomes and deliverables:	HDR Thesis Laboratory skills relevant to the project Publications and presentations
Suitable for:	This project would be suitable for either an Honours student or someone wishing to undertake a PhD  Applications with a background in cell and molecular biology or histopathology are encouraged to apply.
Primary Supervisor:	Professor Sailesh Kumar (University of Queensland)
Further info:	For an informal discussion please contact Prof Sailesh Kumar e: sailesh.kumar@mater.uq.edu.au