

Investigating the molecular genetics of sulphate biology in fetal development

Research Project Overview

Project title:	Investigating the molecular genetics of sulphate biology in fetal development.
Project duration:	6 weeks
Description:	<p>Sulphate is an important nutrient for fetal growth and development. In recent years, clinical interest in the physiological roles and regulation of sulphate during pregnancy has expanded following the characterisation of adverse fetal outcomes in animal models of sulphate deficiency.</p> <p>In this project, the scholar will extract and analyse existing genetic data to understand the ontogeny of sulphate biology-related gene expression in fetal development.</p> <p>The scholar will also have an opportunity to measure the expression levels of sulphate relevant genes during fetal development using existing animal tissues.</p>
Expected outcomes and deliverables:	Scholars may gain skills in data collection and analysis. They will also have the opportunity to produce a report or oral presentation at the end of their project.
Suitable for:	This project is open to applications from undergraduate students with a background in medicine or biomedical science.
Primary Supervisor:	Associate Professor Paul Dawson
Further info:	<p>Please contact Paul if you would like to know more about this project before applying.</p> <p>Email: paul.dawson@mater.uq.edu.au</p>