



SEMINAR SERIES

MULTI-OMIC INVESTIGATIONS IN OESOPHAGEAL ADENOCARCINOMA

PRESENTED BY ASSOCIATE PROFESSOR MICHELLE HILL

Bio: Associate Professor Michelle Hill obtained her PhD at the University of Queensland on insulin signaling using phosphoproteomics. Her postdoctoral work in Switzerland, Ireland, and at the Institute for Molecular Bioscience UQ focused on various aspects of signaling using subcellular proteomics. With a passion for translational proteomics research, she established the Cancer Proteomics Group at the UQ Diamantina Institute in 2009. Through interdisciplinary collaborations, the group has successfully developed a laboratory test for amyloidosis subtyping, and is in the process of developing a blood test for oesophageal adenocarcinoma detection. In April 2017, Michelle's research group will begin a new chapter at the QIMR Berghofer Medical Research Institute, where she intends to expand her fledgling lipidomics and chemical analysis capabilities. **Overview:** While the incidence of most cancers is now steady or declining, oesophageal adenocarcinoma continues an upward trend. With a poor survival rate of <20% at 5 years, there is an urgent need to improve the detection, treatment and prevention of this cancer. Risk factors for oesophageal adenocarcinoma include gastro-oesophageal reflux disease, overweight and obesity, and metaplastic change of the oesophageal epithelium (Barrett's oesophagus). This seminar will our research into early detection blood test, the involvement of the oesophageal microbiota and lipid metabolism changes in oesophageal adenocarcinoma.

Seminar details:

Date: Tuesday 9 May

Time: 12:00pm till 1:00pm

Venue: UQCCR Auditorium

Level 2 Building 71, RBWH Herston

