Centre for Population and Disease Genomics 2023 Symposium

Time	Name	Title
8:45 am	Grant Montgomery	Welcome

Session 1: Cardiovascular Disease and Disease Prediction

Time	Name	Title
9:00 am	Prof Gemma Figtree	Balancing screening for risk factors versus screening for the underlying disease in the fight against heart attack
9:45 am	Shawn Mo	The clinical utility of heart failure polygenic score among patients with hypertension
10:00 am	Anna Freydenzon	Health conditions preceding neurodegenerative disease: a cross-country study from Australia, France, and Sweden
10:15 am	Albert Xiong	Using spatial technologies to reveal transcriptomic patterns associated with cancer metastasis
10:30 am	MORNING TEA	

Session 2: Health and Disease

Time	Name	Title
11:00 am	Prof Glenn King	Deadly cures: a cardioprotective drug candidate from venom of the Australian funnel-web spider
11:30 am	Loic Thibaut	Saturated GWAS yields new functional annotation of the human genome
11:45 am	Ang Li	Identification of cell types and cellular dynamics genetically associated with brain disorders and cognitive traits
12:00 pm	Prof Gita Mishra	The Australian Longitudinal Study on Women's Health
12:30 pm	LUNCH	

Session 3: New Directions and Methods

Time	Name	Title
1:30 pm	Prof Haitham Tuffaha	Translational health economics and the role of early economic evaluation
2:00 pm	Zoe Hunter	Utilising transcriptomic data to uncover drug mechanisms of action
2:15 pm	Sugi Subramaniam	Cell based models for functional studies in endometriosis
2:30 pm	Jacky Xie	Deep learning models to detect cell and gene markers in cancer
2:45 pm	Jian Zeng	Genome-wide fine-mapping improves identification of causal variants
3:00 pm	AFTERNOON TEA	

Session 4: Data Access and Collaborations

Time	Name	Title
3:30 pm	Shannon D'Urso	Mendelian randomization analysis of maternal coffee consumption on offspring neurodevelopmental difficulties
3:45 pm	Alesha Hatton	Blood-based genome-wide DNA methylation correlations across body fat and adiposity-related biochemical traits
4:00 pm	Chris Flatley	Genome-wide association study of placental weight identifies distinct and shared genetic influences between placental and fetal growth
4:15pm	Tunde Olasege	Assessing ascertainment in biobanks
4:30pm	Gunn-Helen Moen	Mendelian randomization analysis on offspring outcomes accounting for offspring genetics
4:45 pm	Baptiste Couvy-Duchesne	Brain-wide association study of Alzheimer's disease across 11 neuroimaging datasets