

Molecular Epidemiology Symposium: The Role of Proteomics in Disease

Friday 9th May 2025

IGC Lecture Theatre

11.15 Welcome – Tim Aitman (IGC)

Session 1 - Chair: Hannah Smith (IGC)

11.20 **Sarah Harris (The Lothian Birth Cohorts)**
Proteomic biomarkers for cognitive decline prior to dementia onset

11.40 **Austeja Ciulkinyte (Biomedical Sciences)**
Brain vascular proteome changes in ageing and dementia

12.00 Lunch

Session 2 - Chair: Riccardo Marioni (IGC)

13.00 **Josie Robertson (IGC)**
A large-scale study of the mass-spectrometry proteome in Generation Scotland: DNA methylation and beyond

13.20 **Lee Murphy (Edinburgh Clinical Research Facility-Genetics Core)**
Sequencing-based proteomics using Olink Reveal

13.40 **Zhana Kuncheva (bioXcelerate)**
The Future of Proteomics in Causal Inference – A Parkinson's Disease Study

14.05 **Robert Scott (GSK)**
Q&A session: Molecular Epidemiology from an Industry Perspective

14.30 Tea/Coffee

Session 3 - Chair: Sarah Harris (The Lothian Birth Cohorts)

15.00 **Mine Koprulu (Queen Mary University of London)**
Proteogenomic insights from an international multi-cohort meta-analysis

15.30 **Ben Sun (Bristol Myers Squibb)**
Genetic and non-genetic drivers of proteome variation in health & disease

16.00 **Keenan Walker (NIA)**
Using Plasma Proteomics to Identify Peripheral Immune Drivers of Alzheimer's Disease

16.30 End

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