UK BIOBANK WINTER SCIENTIFIC CONFERENCE 2022

Transforming Future Health

Multi-omics | Dementia | Health outcomes

Thursday 8th December 2022

London QEII Conference Centre

www.ukbiobank.ac.uk

biobank uk

Enabling scientific discoveries that improve human health

MORNING SESSION

Multi-omics in UK Biobank

11:00 - 11:30 Registration and refreshments on arrival

11:30 -11:35 **Professor Lord Ajay Kakkar**, UK Biobank Chairman: Introduction and welcome

11.35 - 11:40 **Professor Valerie O'Donnell**, Cardiff University: Session Chair

11:40 - 11:50 **Dr Chris Whelan,** Janssen: The story so far – the UK Biobank Pharma Proteomics Project

11:50 - 12:00 **Heli Julkunen**, Senior Data Scientist, Nightingale Health: The value of metabolomics data in UK Biobank

12:00 - 12:10 **Dr Charlotte Warren-Gash**, LSHTM: Measuring infectious markers in UK Biobank and its potential value

12:10 - 12:20 **Professor Wolf Reik**, Altos: Epigenetic assay strategies

12:20 - 12:50 **Professor Caroline Relton,** Bristol University: panel member

12:20 - 12:50 **Panel Discussion**

12:50 - 1:50 Lunch - ECR poster presentations and UK Biobank Research Analysis Platform ask the experts!

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AFTERNOON SESSION

How UK Biobank is enabling dementia research

1:50 - 1:55 **Professor Julie Williams**, UK DRI: Session Chair

1:55 - 2:05 **Professor Paul Matthews**, Imperial College London: Added value of repeat imaging and assays

2:05 - 2:15 **Professor David Llewellyn**, Exeter University: Multi-morbidity and dementia risk

2:15 - 2:25 **Professor James Rowe**, University of Cambridge: Prediagnostic supranuclear palsy

2:25 - 2:35 **Professor Valentina Escott-Price**, Cardiff University: The use of genetic risk scores to stratify populations for dementia risk

2:35 - 3:05 **Panel discussion**

3.05 - 3.30 Tea break ECR poster presentations and UK Biobank Research Analysis Platform ask the experts!

Enhanced health outcomes data in UK Biobank

3:30 - 3:35 **Professor John Danesh**, Cambridge University: Session chair

3:35 - 3:45 **Professor Naomi Allen**, UK Biobank: UK Biobank's strategy for phenotyping health outcomes

3:45 - 3:55 **Professor Josh Denny**, NIH: Use of automated approaches for outcome phenotyping using existing linkages

3:55 - 4:05 **Kezia Gaitskell**, University of Oxford: Value of digital histopathology slides for phenotyping cancer outcomes

4:05 - 4:15 **Anthony Khawaja**, University College London: Value of linking to ophthalmic healthcare records

4:15 - 4:45 **Dr Michael Chapman**, HDRUK: Panel discussion member

4:15 - 4:45 **Panel Discussion**

4:45 - 4:55 **Professor Sir Rory Collins,** UK Biobank: Getting the most out of UK Biobank

4:55 - 5:00 **Professor John Iredale,** MRC: Closing remarks

5.00 - 6.00 **Drinks reception**

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