Longitudinal Studies
20-22 April 2020

Wellcome Genome Campus,
Hinxton, Cambridge, UK

Draft Conference Programme

Monday, 20 April 2020

12:00-13:00  Registration with lunch

13:00-13:10  Welcome and introduction
Programme Committee: Nicholas Timpson, University of Bristol, UK

13:10-14:10  Keynote lecture
Chair: Nicholas Timpson, University of Bristol, UK

Looking to the future of early detection research: the Accelerating Detection of Disease cohort
Fiona Reddington
Early Disease Detection Research Project, UK

14:10-15:40  Session 1: Contemporary approaches to longitudinal population studies
Chair: Rebecca Hardy, UCL, UK

14:10  Genes & Health: knockouts, monogenic and polygenic risk in British South Asians
David van Heel
Queen Mary University of London, UK

14:40  What’s next for UK Biobank: big plans and big data
Naomi Allen
UK Biobank, UK

15:10  Short talk selected from abstracts

15:25  Short talk selected from abstracts

15:40-16:15  Afternoon tea
16:15-17:45  
**Session 2: Apparent peak health**  
*Chair: Eline Slagboom, Leiden University Medical Centre, Netherlands*

16:15  
Talk title TBC  
*Dorret Boomsma*  
*Amsterdam University, Netherlands*

16:45  
Longitudinal studies of cardiovascular health – challenges and opportunities  
*Alun Hughes*  
*University College London, UK*

17:15  
Short talk selected from abstracts

17:30  
Short talk selected from abstracts

17:45-18:15  
**Lightning talks**  
*Chair: Eline Slagboom, Leiden University Medical Centre, Netherlands*

18:15-19:45  
**Poster session 1 (odd numbers) with drinks reception**

19:45  
**Buffet dinner**

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**Tuesday, 21 April 2020**

09:00-10:30  
**Session 3: Differences across the sexes**  
*Chair: Eline Slagboom, Leiden University Medical Centre, Netherlands*

09:00  
Gender, sex and health – longitudinal studies among adolescents and older adults  
*Susan Picavet*  
*National Institute for Public Health and the Environment, Netherlands*

09:30  
Sex differences and sex-specific analyses: biological differences  
*Ken Ong*  
*University of Cambridge, UK*

10:00  
Short talk selected from abstracts

10:15  
Short talk selected from abstracts

10:30-11:00  
**Morning coffee**
11:00-12:30  Session 4: Molecular markers and prediction
Chair: Nicholas Timpson, University of Bristol, UK

11:00  Identification of molecular markers of ageing and mortality using metabolomics
  Joris Deelen
  Max Planck Institute for Biology of Ageing, Germany

11:30  Construction, validation and cataloging of polygenic scores for population-based studies
  Michael Inouye
  University of Cambridge, UK

12:00  Short talk selected from abstracts

12:15  Short talk selected from abstracts

12:30-14:00  Lunch

14:00-15:30  Session 5: Translational
Chair: Rose Anne Kenny, Trinity College Dublin, Ireland

14:00  Longitudinal data for gender, education and health
  Camilla Stoltenberg
  Norwegian Institute of Public Health, Norway

14:30  COMETS; a global initiative to harmonize; meta-analyse and interpret metabolomics data from over 50 cohorts
  Rachel Kelly
  Harvard Medical School, USA

15:00  Short talk selected from abstracts

15:15  Short talk selected from abstracts

15:30-16:00  Afternoon tea

16:00-17:30  Session 6: Frailty
Chair: Rebecca Hardy, UCL, UK

16:00  Frailty in longitudinal studies
  Roman Romero-Ortuno
  Trinity College Dublin, Ireland

16:30  Using omics technologies to develop biomarkers of frailty
  Nicholas Rattray
  University of Strathclyde, UK

17:00  Short talk selected from abstracts
17:15  Short talk selected from abstracts

17:30-18:00  **Lightning talks**  
*Chair: Rebecca Hardy, UCL, UK*

18:00-19:30  **Poster session 2 (even numbers) with drinks reception**

19:30  **Conference dinner**

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**Wednesday, 22 April 2020**

09:00-10:30  **Session 7: Longitudinal studies in LMIC**  
*Chair: Rose Anne Kenny, Trinity College Dublin, Ireland*

09:00  Longitudinal study of aging in India  
*Jinkook Lee*  
*University of Southern California, USA*

09:30  Short talk selected from abstracts

09:45  Short talk selected from abstracts

10:00  China health and retirement longitudinal study: design, progress and results  
*Xinxin Chen*  
*Peking University, China*

10:30-11:00  **Morning coffee**

11:00-12:00  **Keynote lecture**  
*Chair: Eline Slagboom, Leiden University Medical Centre, Netherlands*

Talk title TBC  
*Mia Crampin*  
*Malawi Epidemiology and Intervention Research Unit, Malawi*

12:00-12:15  **Closing remarks**  
*Programme Committee: Eline Slagboom, Leiden University Medical Centre, Netherlands*

12:15-13:30  **Lunch**

13:30  **Coach to Heathrow airport via Stansted airport departs**

13:45  **Coach to Cambridge departs**