

## Longitudinal Studies 20-22 April 2020

Wellcome Genome Campus,  
Hinxton, Cambridge, UK

### Draft Conference Programme

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#### 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 I: 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 I (odd numbers) with drinks reception**

19:45

**Buffet dinner**

**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**

### **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**