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
13:10-14:10  Keynote lecture

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

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
16:15  Dorret Boomsma  
Amsterdam University, The 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

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

19:45  Buffet dinner

Tuesday, 21 April 2020

09:00-10:30  Session 3: Differences across the sexes

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**

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  
*M. 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**

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  
*R. 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**

16:00  Frailty in longitudinal studies  
*R. Romero-Ortuno*  
*Trinity College Dublin, Ireland*

16:30  Using omics technologies to develop biomarkers of frailty  
*N. 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
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

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
      Xinxin Chen
      Peking University, China

10:30-11:00  Morning coffee
11:00-12:00  Keynote lecture

      Mia Crampin
      Malawi Epidemiology and Intervention Research Unit, Malawi

12:00-12:15  Closing remarks
12:15-13:30  Lunch
13:30  Coach to Heathrow airport via Stansted airport departs
13:45  Coach to Cambridge departs