Optimising Multistudy Integrative Research
18 – 20 September 2019
Wellcome Genome Campus,
Hinxton, Cambridge, UK

Programme

Wednesday, 18th September

11:30-12:30  Registration

12:30-12:40  Welcome and introductions
Scientific Programme Committee

12:40-13:40  Keynote lecture
Chair: Scott Hofer
Integrative data analysis: Promises, challenges, and recommendations
Patrick Curran
University of North Carolina at Chapel Hill, USA

13:40-14:00  Session 1: Approaches for multistudy analysis
Chair: Josep Maria Haro

13:40  Undertaking data harmonization: Challenges and opportunities
Isabel Fortier
McGill University, Canada

14:10  Advantages and challenges of the IALSA coordinated analytical approach
Graciela Muniz
University of Edinburgh, UK

14:40-15:00  Afternoon Tea

15:00-16:30  Session 1 continued: Approaches for multistudy analysis
Chair: Josep Maria Haro

15:00  DataSHIELD: take the analysis to the data - not the data to the analysis
Paul Burton
Newcastle University, UK
15:30 Optimum weighting schemes when performing Matching-Adjusted Indirect Comparisons
Dan Jackson
Astra Zeneca, UK

16:00 Discussion

16:30-17:00 Lightning talks

17:00-18:30 Poster session with drinks reception

18:30 prompt Buffet dinner

18:30 Cash bar

Thursday, 19th September

09:00-10:40 Session 2: Applications of integrative data analysis
Chair: Graciela Muniz

09:00 Assessing cardiovascular risk using multiple studies: The emerging risk factors collaboration
Angela Wood
University of Cambridge, UK

09:30 Multistudy research on risk factors for dementia: Assessment of reverse causation
Archana Singh-Manoux
INSERM, France

10:00 Variations in age-related depression trajectories
Emma Waterston
University of Edinburgh, UK

10:20 Discussion

10:30-11:00 Morning coffee

11:00-12:40 Session 3: Challenges and solutions related to heterogeneity in data, measurement, and multistudy results
Chair: Edwin van den Heuvel

11:00 Scientific replication and prediction: The major role of multi-study integrative research
Scott Hofer
University of Victoria, Canada

11:30 The ATHLOS project: Harmonizing population cohorts in ageing research
Josep Maria Haro
University of Barcelona, Spain
12:00  The Older Persons and Informal Caregivers Survey Minimum Dataset (TOPICS-MDS): an example and experiment of nationwide open data sharing in gerontology and geriatrics
René Melis
Radboud University Medical Center, The Netherlands

12:20  Discussion

12:40-14:00  Lunch

14:00-15:00  Session 4: Data sharing: Ethical and legal challenges for collaborative research
Chair: Isabel Fortier

14:00  Ethical and legal challenges revisited in practice
Michaela Mayrhofer
BBMRI-ERIC, Austria

14:40  Discussion

15:00-15:30  Afternoon tea

15:30-18:00  Session 5: Measurement harmonization: Approaches and recommendations
Chair: Isabel Fortier

15:30  Fitting the harmonization approach to the harmonization problem: the IGEMS experience
Chris Beam
University of Southern California, USA

16:00  The tools of harmonization
Edwin van den Heuvel
Eindhoven, The Netherlands

16:30  The Healthy Life Trajectories Initiative: A prospective harmonization of four mother and child cohorts
Julie Bergeron
Maelstrom Research, Canada

17:00  Harmonizing longitudinal measures of cognition across AIBL and ADNI (two of the largest global studies on Alzheimer’s)
Rosita Shishegar
CSIRO, Australia

17:30  Discussion

18:00-18:30  Drinks reception

18:30 prompt  Silver service conference dinner

18:30  Cash bar
Friday, 20th September

09:00-10:30  
Session 6: Experiences in multistudy collaborative research  
Chair: Graciela Muniz

09:00  Multistudy research in the LifeCycle Consortium: Setting up the EU Child Cohort Network  
Janine Felix  
Erasmus University Medical Center, The Netherlands

09:30  Two decades of data harmonization and analysis in the MORGAM / BiomarCaRE consortium  
Kari Kuulasmaa  
National Institute for Health and Welfare (THL), Finland

10:00  Dementias Platform UK (DPUK): Developing solutions for multi-cohort and multi-modal data  
John Gallagher  
Dementias Platform, UK

10:30-11:00  
Morning coffee

11:00-12:30  
Session 6 continued: Experiences in multistudy collaborative research  
Chair: Michaela Mayrhofer

11:00  Exclusivity or open relationships? An experience of working within 10/66 and ATHLOS  
Matthew Prina  
Kings College, London

11:30  MINDMAP: integrating longitudinal ageing studies, policy information, and area-level environmental exposures to identify opportunities offered by the urban environment for mental well-being of older adults  
Mariëlle Beenackers  
Erasmus University Medical Center, The Netherlands

12:00  Aspects of multi-study integrative research in the design of the population-based health surveys HUNT in Norway  
Andreas Weser  
Norwegian University of Science and Technology, Norway

12:20  Discussion

12:40-13:30  
Session 7: Panel discussion - Optimising results from multistudy consortia: Lessons learned and persisting challenges  
Chair: Scott Hofer

13:30-13:45  
Closing remarks  
Scott Hofer, University of Victoria, Canada

13:45 -14:00  
Take away lunch
14:00 prompt

**Coaches depart to Cambridge City Centre and Train Station, Heathrow Airport via Stansted Airport**