**Optimising Multistudy Integrative Research**  
18 – 20 September 2019  

Wellcome Genome Campus,  
Hinxton, Cambridge, UK

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**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*

13:40-14:40  
**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  
**TBC**  
*Paul Burton*  
*Newcastle University, UK*

15:30  
Optimum weighting schemes when performing Matching-Adjusted Indirect Comparisons
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
Saturday, 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 Gallacher
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