



MELODEM PROGRESS MEETING

June 30th and July 1st 2016

Abbaye Des Vaux de Cernay, France

AGENDA





MELODEM Progress Meeting

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THURSDAY JUNE 30TH 2016

11.00am – 11.10am **Welcoming**

Geneviève Chêne, Director of Public Health thematic institute, AVIESAN,

France

Carole Dufouil, Inserm u1219, Bordeaux University, France

SESSION TITLE: SELECTION

DISCUSSANT: **Niels Kieding**, Copenhagen University, Denmark

11.10am – 11.25am Comparison of mixed models, GEE, weighted GEE, and joint models for longitudinal data truncated by death

Hélène Jacqmin-Gadda, Inserm u1219, Bordeaux University, France

11.25am – 11.35am Discussion

11.35am – 11.50am Ignorability for general longitudinal data

Daniel Farewell, Cardiff University, UK

11.50am – 12.00pm Discussion

12.00pm – 12.15pm Quantifying attrition bias in a longitudinal study of diverse older adults using real and simulated data predictors of death and dropout in WHICAP and estimated bias from simulation

Laura Zahodne, Columbia University, New-York, USA

12.15pm – 12.25pm Discussion

12.25pm – 12.45pm General discussion

12.45pm – 2.15pm LUNCH

SESSION TITLE: DECLINING TRENDS IN DEMENTIA: WHAT IS NEXT?

DISCUSSANT: **Maria Glymour**, UC San Francisco, USA

2.15pm – 2.30pm Summary of epidemiological evidence in Europe

Ingmar Skoog, Gothenburg University, Sweden

2.30pm – 2.40pm Discussion

2.40pm – 2.55pm What are the potential causal explanations?

Sudha Seshadri, Boston University, USA

2.55pm – 3.05pm Discussion

3.05pm – 3.30pm General discussion and implications for MELODEM

3.30pm – 4.00pm COFFEE BREAK



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SESSION TITLE: TIME VARYING COVARIATES AND CONFOUNDERS

DISCUSSANT: Jay Kaufman, McGill University, Montreal, Canada

4.00pm – 4.15pm	Life-course blood pressure in relation to brain volumes: the ARIC Neurocognitive Study (ARIC-NCS) <i>Melinda Power, George Washington University, DC, USA</i>
4.15pm – 4.25pm	Discussion
4.25pm – 4.40pm	Time-dependent confounding in the context of time-varying exposure: what it is, why it can cause bias, and how MSMs can help (an introduction) ? <i>Jennifer Weuve, Boston University, USA</i>
4.40pm – 4.55pm	Discussion
4.55pm – 5.10pm	Discussion

SESSION TITLE: EQUATOR AND MELODEM

DISCUSSANT: Carole Dufouil, Inserm u1219, Bordeaux, France

5.10pm – 5.40pm	EQUATOR network: How can we reduce waste in research and increase research value <i>Philippe Ravaud, Inserm u1153, Paris 5 University, Paris, France</i>
5.40pm – 6.15pm	Discussion, including a quick summary of Melodem achievements and priorities

8.00pm – 10.00pm DINNER



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FRIDAY JULY 1st 2016

SESSION TITLE: IMPROVING MEASUREMENT

DISCUSSANT: Jennifer Manly, Columbia University, New-York, USA

8.30am–8.45am	Use of High-Frequency Data May Reduce Sample Sizes Needed in Clinical Trials <i>Hiroko Dodge, Michigan University, USA</i>
8.45am–8.55am	Discussion
8.55am–9.10am	Does education modify the effect of brain health biomarkers on MMSE and General Cognition, a latent variable growth models approach <i>Stefan Walter, UCSF, USA</i>
9.10am – 9.20am	Discussion
9.20am–9.35am	Survival after Dementia Diagnosis in Five Racial/Ethnic Groups <i>Elisabeth-Rose Mayeda, UCSF, USA</i>
9.35am – 9.45am	Discussion
9.45am – 10am	How dimensional can we go: Using multiple tests to model cognitive change <i>Alden Gross, John Hopkins School of Public Health, Baltimore, USA</i>
9.35am – 9.45am	Discussion

SESSION TITLE: DATA SHARING: HOW TO OPTIMIZE DATA USE ?

DISCUSSANT: Geneviève Chêne, Inserm u1219, Bordeaux University, France

9.45am – 9.55am	Experience of data sharing in HIV, new perspectives with EU regulation <i>Geneviève Chêne, Inserm u1219, Bordeaux University, France</i>
9.55am – 10.30am	The UK dementia platform <i>John Gallacher, Oxford University, UK</i>
10.30am – 11.00am	Discussion

11.00am – 11.30am COFFEE BREAK

SESSION TITLE: HIGH DIMENSIONAL DATA

DISCUSSANT: Sudha Seshadri, Boston University, USA

11.30am – 11.45am	Genetic stratification to identify prodromal cases <i>Riccardo Marioni, Edinburgh University, Scotland</i>
11.45am – 11.55am	Discussion



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11.55am– 12.10pm Is timing everything? Dealing with the realities of introducing new measures into a longitudinal study design
Charles Di Carli, UC Davis, USA

12.10pm – 12.20pm Discussion

12.20pm – 12.45pm General discussion

12.45pm – 2.15pm LUNCH

FRIDAY JULY 1st 2016

SESSION TITLE: METHODOLOGICAL CHALLENGES WITH INSTRUMENTAL VARIABLES

DISCUSSANT: Jamie Robins, Harvard School of Public Health, Boston, USA

2.15pm–2.30pm Is obesity a risk factor for dementia? Evidence from cohort studies
Mika Kivimaki and Archana Singh-Manoux, University College of London, UK

2.30pm–2.40pm Discussion

2.40pm–2.55pm Toward a Clearer Portrayal of Confounding Bias in Instrumental Variable Applications

Sonja Swanson, Erasmus University, Rotterdam, The Netherlands

2.55pm–3.05pm Discussion

3.05pm–3.15pm General Discussion

SESSION TITLE: CLOSING SESSION

DISCUSSANTS: Carole Dufouil and Maria Glymour

3.15pm – 3.35pm High priority areas for methodological innovation
Jamie Robins, Harvard school of public health, Boston USA

3.35pm – 3.45pm Discussion

3.45pm – 4.00pm Quick summary and next steps

Carole Dufouil, INSERM U1219, Bordeaux University, France

Maria Glymour, UCSF, USA