

aviesan

alliance nationale
pour les sciences de la vie et de la santé
ITMO Santé publique



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

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| 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

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| 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
Hiroko Dodge, Michigan University, USA
- 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
Stefan Walter, UCSF, USA
- 9.10am – 9.20am Discussion
- 9.20am–9.35am Survival after Dementia Diagnosis in Five Racial/Ethnic Groups
Elisabeth-Rose Mayeda, UCSF, USA
- 9.35am – 9.45am Discussion
- 9.45am – 10am How dimensional can we go: Using multiple tests to model cognitive change
Alden Gross, John Hopkins School of Public Health, Baltimore, USA
- 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
Geneviève Chêne, Inserm u1219, Bordeaux University, France
- 9.55am – 10.30am The UK dementia platform
John Gallacher, Oxford University, UK
- 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
Riccardo Marioni, Edinburgh University, Scotland
- 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