



# 2019 MELODEM Progress Meeting

## July 21-24, 2019

### Oceano Hotel and Spa, Half Moon Bay, CA

#### Sunday, July 21, 2019

**4:30pm – 4:45pm** **Welcome: Given by Attending MELODEM leadership**  
Carole Dufouil, Jennifer Weuve, Elizabeth Rose Mayeda, Maria Glymour, Suzanne Judd  
*Montara room, first floor*

*Theme: Selection*

*Moderator: Carol Brayne, Cambridge University*

**\*\* The 30 minute blocks represent, 15 minute presentations and 15 minute discussions**

**\*\*\* All presentations and meals will be in the Montara room, unless otherwise specified**

**4:45pm – 5:15pm** **“Selection bias in CTE”**  
Yorghos Tripodis, Boston University

**5:15pm – 5:45pm** **“Can Selective Survival Explain Sex Differences in Dementia Incidence? A Simulation Study”**  
Crystal Shaw, University of California, Los Angeles

**5:45pm – 6:15pm** **“Selection processes in community based cohorts such as the Rhineland Study”**  
Monique Breteler, German Center for Neurodegenerative Diseases

**6:15pm – 6:45pm** **“Imaging markers and cognitive decline in the oldest-old: What are we missing?”**  
Maria Corrada, University of California, Irvine

**7:00pm – 9:00pm** **Welcome Reception and Dinner**  
*Atrium on the first floor*

#### Monday, July 22, 2019

*Theme: Measurement*

*Moderator: Genevieve Chene, INSERM*

**8:30am – 9:00am** **“An Environment-Wide Study and Genetic Correlations with Cognitive Performance in the 23andMe Cohort”**  
Stella Aslibekyan, 23andMe

**9:00am – 9:30am** **“Estimated prevalence of biomarker and clinically defined Alzheimer’s disease in France”**  
Carole Dufouil, INSERM Center UMR1219, ISPED, Bordeaux University

**9:30am – 10:00am** **“Use of algorithmic dementia diagnoses for disparities research”**  
Melinda Power and Kan Gianattasio, George Washington University



SSRC



School of Public Health



LISTER HILL CENTER FOR HEALTH POLICY  
The University of Alabama at Birmingham

**Monday continued**

**10:30am - 11:00am Coffee Break**

*Theme: Disease heterogeneity*

*Moderator: Laura Gibbons, University of Washington*

11:00am – 11:30pm **“Does  $\beta$ -amyloid reduction improve cognitive outcomes? Integrated evidence from randomized trials of amyloid targeting therapies”**  
Sarah Ackley, University of California, San Francisco

11:30pm – 12:00pm **“Heterogeneity: the Good, the Bad, and the Ugly”**  
Deborah Blacker, Massachusetts General Hospital, Harvard Medical School

12:00pm – 12:30pm **Tentative title: “Heterogeneity in biomarkers and clinical manifestations of ADRD: different diseases or different people?”**  
Sudha Seshadri, Glenn Biggs institute for Alzheimer's and Neurodegenerative Diseases

**12:30pm – 1:30pm Lunch**

*Theme: Confounding and exposure characterization*

*Moderator: Suzanne Judd, University of Alabama*

1:30pm – 2:00pm **“Using genetic information to identify early manifestations of Alzheimer's disease”**  
Willa Brenowitz, University of California, San Francisco

2:00pm – 2:30pm **“Selection bias on the association between vascular factors and dementia”**  
Chi-Hun Kim, Oxford University

2:30pm – 3:00pm **“Time-dependent confounding in life course research: put time in a bottle without all the unwanted confounding”**  
Jennifer Weuve and Ruijia Chen, Boston University

3:00pm – 3:30pm **“Lifecourse work-family patterns and later-life memory decline among U.S. women”**  
Elizabeth Rose Mayeda, University of California, Los Angeles

**Monday continued**  
**Incorporating the Social Exposome to Address Alzheimer's Disease and Related Dementias, with the Social Sciences Research Council**

*Introduction to the Social Exposome,*  
*Moderator: Michelle Odden, Stanford University*

4:00pm – 4:30pm Jennifer J. Manly, Columbia University

4:30pm – 5:00pm Aric Prather, University of California, San Francisco

5:00pm – 6:00pm Discussion of emailed questions

1. From your perspective, what is one dimension of social experience that is most significant for dementia?
2. From your perspective, what is one dimension of social experience most unexplored with respect to dementia-related research and/or clinical practice?
3. What are some potential technical tools that could be developed or better deployed to support interactive research and other collaborative efforts in these fields?

**6:30pm – 8:30pm Dinner**

**Tuesday, July 23 Social Exposome**

*Why incorporate the social exposome in ADRD research?*  
*Moderator: TBD*

9:00am – 9:30am Hector Gonzales, University of California, San Diego

9:30am – 10:00am Kate de Medeiros, Miami Ohio University

10:00am – 10:30am Zhenmei Zhang, Michigan State University

**10:30am - 11:00pm Coffee Break**

*How do we accomplish this?*  
*Moderator: Jennifer Weuve, Boston University*

11:00am – 11:30am Chirag Patel, Harvard University

11:30am – 12:00pm Michelle Carlson, Johns Hopkins Bloomberg School of Public Health

12:00pm – 12:30pm Maria Glymour, University of California, San Francisco



SSRC



School of Public Health



LISTER HILL CENTER FOR HEALTH POLICY  
The University of Alabama at Birmingham

## Tuesday continued

**12:30pm – 1:30pm Lunch**

### *Available Data Sources*

*Moderator: Elizabeth Rose Mayeda, UCLA*

1:30pm – 1:40pm Robert Ream, University of California, Riverside

1:40pm – 1:50pm Rachel Whitmer, University of California, Davis

1:50pm - 2:00pm Hiroko Dodge, Oregon Health & Science University and University of Michigan

2:00pm - 3:30pm Break into assigned groups to work on questions (discussion notes into google docs)

**3:30pm - 4:00pm Break**

4:00pm - 6:00pm **Analytic approaches**  
Break into assigned groups to work on questions (discussion notes into google docs)

**6:30pm-8:30pm Dinner:**  
**Social Exposome dinner with invited participants at the Moss Beach Distillery**

**MELODEM participants, we will provide a list of nearby restaurants for you to choose from**

## Wednesday

9:00am – 10:30am **Opening discussion based on the google docs from day before and data analysis open discussion**  
Moderating: Alexa Dietrich and Elizabeth Rose Mayeda

10:30am – 10:45am Break

10:45am – 12:00pm **Moving forward discussion, point people towards three goals**  
Carole Dufuoil, , INSERM Center UMR1219, ISPED, Bordeaux University

**12:30pm – 1:30pm Lunch and depart**



SSRC



School of Public Health



LISTER HILL CENTER FOR HEALTH POLICY  
The University of Alabama at Birmingham