

Meeting Agenda
NIA-Sponsored Biomarker Network Meeting
Wednesday, April 10, 2019
JW Marriott, Austin, TX
Lone Star E

8:30 - 9:15 Welcome and Update on Network Activities –
Teresa Seeman and Eileen Crimmins

NIA – Lis Nielsen, Jon King, John Phillips, Georgeanne Patmios

Telomere Validation Study - Jessica Faul
Epigenetics Meeting and Network - Steve Cole

9:15 - 10:15 Dried Blood Spots
Dried Blood Spot Samples and their Validation
Axel Börsch-Supan, Martina Börsch-Supan, Luzia Weiss

Dried Blood Spots: Effects of Interviewer Collection, Shipping Time, Heat, and Humidity
Eileen Crimmins, Yuan Zhang, Jung Ki Kim, Stephen Frochen, Hyewon Kang, Hyunju Shim,
Jennifer Ailshire, Alan Potter, Jake Cofferan, Jessica Faul

Handle with Care: The Effects of Shipping, Holding Times, Drying Times, and Spot Size on
Biomarker Recovery from Dried Blood Spots
Jake Cofferen, Alan Potter

10:15 – 11:15 Genetics, Epigenetics and Flow Cytometry
Comparative Analysis of Epigenetic Aging Clocks from CpG Characteristics to Functional
Associations
Zuyun Liu, Diana Leung, Morgan Levine

Examining Sex Differences in Pleiotropic Effects for Depression and Smoking Using Polygenic
and Gene-Region Aggregation Techniques
Lauren Schmitz, Arianna Gard, Erin Ware

Role of T-cell Immunity in type 2 Diabetes: Findings from HRS
Bharat Thyagarajan

11:15 – 11:30 Coffee Break

11:30 - 12:05 Updates from Studies
Updates from SHARE – Axel Börsch-Supan
Updates from Add Health – Kathleen Mullan Harris
Updates from CHARLS – Perry Hu (or John Strauss)
Updates from MIDUS – Teresa Seeman
Updates from STAR – Elizabeth Frankenberg (or Duncan Thomas)
Updates from VHAS – Kim Korinek (or Ellie Brindle)
Updates from MHAS – Rebeca Wong (or Joseph Saenz)

12:05 - 12:45 LUNCH

12:45 - 1:25 Updates from Studies

Updates from NICOLA – Amy Jayne McKnight
Updates from NSHAP – Martha McClintock
Updates from ELSA – Paola Zaninotto
Updates from LASI (and LASI DAD) – Jinkook Lee
Updates from HRS – Jessica Faul (or David Weir)
Updates from TILDA – Ann Hever
Updates from IFLS – John Strauss (or Perry Hu)

1:25 – 2:10 Physical Activity Measurement

Physical Activity Measurement among Older Adults Using Triaxial Wrist Accelerometers in the
and Israel: Reliability and Concordance with Survey Questions
Chantel Ramraj, Phil Schumm, Sondra Birch, Diane Lauderdale

Comparing Two Devices for Sleep Measurement
Hyunju Shim, Arie Kapteyn, Eileen Crimmins

2:10 – 3:10 Biomarkers I

A Sensitive but Frequently Overlooked Biomarker of Health and Aging: Our Kidneys
Christopher Coe, Agus Surachman, David Almeida, Gayle Love, Carol Ryff

Air Pollution, Mitochondrial DNA and Cognition
Jennifer Ailshire

Metabolic Syndrome and Cognitive Functioning Among Older Indians: LASI DAD
Perry Hu, A.V. Dey, Sharmistha Dey, Pranali Khobragade, Joyita Banerjee, Sid Beaumaster,
Eileen Crimmins, Jinkook Lee

3:10 - 3:25 BREAK

3:25 – 4:05 Biomarkers II

Cohort Effects in C-reactive Protein
Audrey Renson, Allison Aiello, Claire Yang

Biological Risk in HRS and MHAS
Catherine Perez, Joseph Saenz, Rebeca Wong

4:05 – 4:30 General Group Discussion of Future, Updates on Studies and Projects

4:30 ADJOURN MEETING