

**Meeting Agenda**  
**NIA-Sponsored Biomarker Network Meeting**  
**Wednesday, April 26, 2017**  
**Hilton Chicago, Chicago, IL**  
**Salon A 3-4**

**8:30 - 8:35 Welcome and Update on Center Activities –**  
Eileen Crimmins and Teresa Seeman

**8:35 - 9:10 Biomeasures**  
Biological Age in Taiwan: Measurement and Prediction  
Lauren Gaydosch, Noreen Goldman, Daniel W. Belsky

Environmental Stress, HPA Axis Reactivity, and Child Outcomes: Moving Biomarkers from Lab to Field  
Rebecca Johnson, Lisa Schneper, Kalsea Koss, Brandon Wagner, Colter Mitchell, Derek Agular, Barbara Engelhardt, Christopher Monk, Luke Hyde, Nestor Lopez-Duran, Daniel Notterman, Sara McLanahan

**9:10 - 10:00 Measuring Biomarkers**  
Implementation of A New Dried Blood Spot Based C-reactive Protein Assay in Indonesia  
Perry Hu, Michael Edenfield, Elizabeth Henny Herningtyas, Alan Potter, John Strauss

Validating Field Methods for Measuring Protein Analytes in Blood Samples of Older U.S. Adults  
Kristina Pagel, Philip Schumm, Kristen Wroblewski, Joscelyn Hoffmann, Hannah You, Elbert Huang, Louise Hawkey, Martha McClintock

Point of Care Testing in a Complex Population-Based Field Setting: An Evaluation of Four Biomarkers  
Jessica Ho, Elizabeth Frankenberg, Teresa Seeman, Cecep Sumantri, Eileen Crimmins, Duncan Thomas

**10:00 - 10:15 - Coffee Break**

**10:15 – 10:25 Report from NIA**  
John Haaga

**10:25 - 11:15 Measures in National Studies**  
Health and Retirement Study - Contextual Data Resource (HRS-CDR)  
Jennifer Ailshire

Validation of Blood-Based Assays from Field-Collected Venous Blood in a Population-Based Study of Aging:  
Examination of the Health and Retirement Study  
Jessica Faul, Piotr Dworak, Ian Ogden, Jung Ki Kim, Bharat Thyagarajan, Eileen Crimmins, David Weir

**Analysis of Biomarkers in the Northern Ireland Cohort of Longitudinal study of Ageing (NICOLA)**  
Amy Jayne McKnight

**11:15 - 12:20 Genetics**  
Large-scale genetic study of risk tolerance and risky behaviors identifies XX new loci and reveals shared genetic influences  
Robbee Wedow, presenting as part of the Social Science Genetic Association Consortium

Genetic Endowments, Educational Attainment and Social Mobility  
Jason Fletcher

Life Course Cognition and Genetic Correlates of Cognition in Older Americans  
Amal Harrati, Kamil Sicinski, Benjamin Domingue, Pamela Herd

DNA Methylation as a Mediator of Environments and Blood Pressure: Findings from the CRELES Study  
David Rehkopf, William Dow, Luis Rosero-Bixby, Lisa McEwan, Michael Kobor

<http://gero.usc.edu/CBPH/network/>

**12:20 - 12:50 LUNCH**

**12:50 - 1:55 Genetic Indicators**

Methods of Measurement: Implications of Polygenic Scores' Estimation Methods

Erin Ware, Lauren Schmitz, Jessica Faul, Arianna Gard, Colter Mitchell, Jennifer Smith, Wei Zhao

Copy Number Variation as a Source of Genetic Heterogeneity in the Fragile Families and Child Wellbeing Study  
Kalsea Koss, Lisa Schneper, Colter Mitchell, Jeanne Brooks-Gunn, Sara McLanahan, and Daniel Notterman

Constructing and Analyzing Genetic Rare Variant Burden Scores in Population-Based Studies

Colter Mitchell, Jessica Faul, Erin Ware, Jennifer Smith, Daniel Notterman

Gene-Level Aggregate Methods to Evaluate Genetic Associations and Gene-by-Environment Interactions in Cross-Sectional and Longitudinal Data

Jennifer A. Smith, Wei Zhao, Minjung Kho, Colter Mitchell, Jessica D. Faul

**1:55 - 2:30 Biomarkers and Health Outcomes**

Predicting Survival: Do Age, Sex and Race Matter?

Noreen Goldman, Dana Glej, Maxine Weinstein

The Developmental Origins of Health and Disease (DOHaD) in Population Based Studies: Weight History and Bone Health Risks in the German National Cohort (GNC), update on German National Cohort (GNC)

Ronny Westerman, Andrea Werdecker, Ulrich Mueller

**2:30 - 2:45 BREAK**

**2:45 - 4:10 Social Factors**

Socioeconomic adversity and DNA methylation in the Cebu Longitudinal Health and Nutrition Survey: Evaluating Sensitive Periods of Exposure

Thomas W. McDade, Calen Ryan, Morgan Hoke, Meaghan Jones, Judith Borja, Greg Miller, Michael S. Kobar, Christopher W. Kuzawa

Childhood Family Instability and Adult Health

Lauren Gaydos and Kathleen Mullan Harris

Social Relationships, Inflammation, and Cancer Survival

Courtney Boen, David Barrow, Jeannette T. Bensen, Laura Farnan, Adrian Gerstel, Laura Hendrix, and Yang Claire Yang

The Social Determinants of the Gut Microbiome

Pamela Herd, Federico Rey, and Kimberly Dill-McFarland

Social Determinants of the Microbiome

Jennifer Dowd

**4:10 – 4:30 General Group Discussion of future, Updates on studies and projects**

**4:30 ADJOURN MEETING**