

Meeting Agenda
NIA-Sponsored Biomarker Network Meeting
Wednesday, April 25, 2018
Sheraton Denver Downtown, Denver, CO
Plaza Ballroom F

8:30 - 8:45 Welcome and Update on Network Activities –

Eileen Crimmins and Teresa Seeman

8:45 - 9:30 Epigenetics and Aging

An Epigenetic Clock for Aging and Life Expectancy

Morgan Levine, Ake T. Lu, Austin Quach, Brian H. Chen, Themistocles L. Assimes, Stefania Bandinelli, Lifang Hou, Andrea A. Baccarelli, James D. Stewart, Yun Li, Eric A. Whitsel, Luigi Ferrucci, Steve Horvath

Adolescent Striving and Epigenetic Age

Lauren Gaydosh, Colter Mitchell, Lisa Schneper, Daniel Notterman, Sara McLanahan

9:30 – 10:15 Biomarker Measurements and Results

HPLC-based Measurement of Glycated Hemoglobin Using Dried Blood Spots Collected Under Adverse Field Conditions

Duncan Thomas, Teresa Seeman, Alan Potter, Peifeng Hu, Eileen Crimmins, Elizabeth Henny
Herningtyas, Cecep Sumantri, Elizabeth Frankenberg

Race, Socioeconomic Status, and Biological Aging in Late Life

Courtney Boen, Daniel Belsky, Allison Aiello, Kathie Harris, Moira Johnson, Max Reason, Y. Claire Yang

10:15 – 10:30 Coffee Break

10:30 - 12:00 Genetics

The Genetics of Sexual Behavior and Orientation

Robbee Wedow

Application of Late Life Cognition Genes to Early Life Cognitive Development

Colter Mitchell

Early Life Exposures, Gene-Environment Interactions, and Cognitive Decline in Old Age

Jason Fletcher, Atheendar S. Venkataramani

12:00 - 12:50 LUNCH

**12:50 – 1:45 State of the Field: Research on Gene-Environment Interaction
(Chair: Jason Boardman)**

Reviews of “Social by Nature” and “The Genome Factor”

Jonathan Daw

Comments:

Colter Mitchell, Jason Fletcher

1:45 - 2:30 Biomarkers and Health Outcomes

Lessons from 10 Years of Biomarker Testing to Assess the Biology of Aging and Health in Two Countries

Christopher Coe, Gayle Love, Carol Ryff

Early Life Conditions and Later Life Biological Risk: Evidence from the Chinese Longitudinal Study of Aging (CHARLS)
Yuan Zhang

2:30 - 2:45 BREAK

2:45 - 4:10 Telomere Length

Telomere Length and Neighborhood Characteristics: Race and Regional Differences in US Midlife and Older Adults
Amy Thierry

The Effects of Collection Procedures on Telomere Length Measurement in Population-based Surveys of Aging

Jessica D. Faul, Colter Mitchell, Lisa M. Schneper, Daniel A. Notterman

Leukocyte Telomere Length in the Costa Rican Longevity Study of Healthy Aging (CRELES): Correlates, Measurement Issues, Longitudinal Change, and Prospective Mortality
Will Dow, Luis Rosero-Bixby, David Rehkopf

Telomere length measurement concerns: Cell sources, sample handling, and repeated assessments
Judith E. Carroll

Report from NIA/NIEHS Meeting: Telomeres as Sentinels for Environmental Exposures, Psychosocial Stress, and Disease Susceptibility
Colter Mitchell

4:10 – 4:30 General Group Discussion of Future, Updates on Studies and Projects

4:30 ADJOURN MEETING