

RCCN Workshop: Measuring Biologic Age

January 19-20, 2022

Virtual (all times noted are Eastern)

Wednesday, January 19, 2022

1:00 – 1:15 pm *Welcome, Overview, and Goals of the Workshop*
Stephen Kritchevsky, Wake Forest School of Medicine
Dana Plude, National Institute on Aging

1:15 – 1:45 pm *Plenary: How We Age*
Luigi Ferrucci, National Institute on Aging

Topic I: Conceptual Issues Relevant to Defining Biologic Age

Moderator: Steve Austad, University of Alabama at Birmingham

1:45 – 2:00 pm *When Does Aging Begin – Developmental Origins*
Peter Nathanielsz, University of Wyoming

2:00 – 2:15 pm *Does Each Tissue Age Independently?*
Jan Vijg, Albert Einstein College of Medicine

2:15 – 2:30 pm *Defining Normal Aging and Health Disparities*
Mark Hayward, University of Texas at Austin

2:30 – 2:45 pm *How Useful are Phenotypic Extremes (Centenarians)?*
Sofiya Milman, Albert Einstein College of Medicine

2:45 – 3:00 pm *Progeroid Syndromes*
Lucio Comai, University of Southern California

3:00 - 3:15 pm *Break*

Topic II: Are the Things We Can Measure Useful?

Moderator: Christy Carter, University of Alabama at Birmingham

3:15 -- 3:30 pm *Mutational Burden*
Xiao Dong, University of Minnesota

3:30 – 3:45 pm *Methylomic Changes*
Albert Higgins-Chen, Yale University

3:45 – 4:00 pm *Age-Related Changes in Hematopoiesis*
Sidd Jaiswal, Stanford University

4:00 – 4:15 pm *Proteomic Aging*
Toshiko Tanaka, National Institute on Aging

4:15 – 4:30 pm *Signatures in Blood*
Birgit Schilling, Buck Institute

4:30 – 4:45 pm *Senescent Burden*
Miranda Orr, Wake Forest University

Thursday, January 20, 2022

1:00 – 1:15 pm *Recap of Day 1 and Goals for Day 2*
Stephen Kritchevsky, Wake Forest School of Medicine

1:15 – 1:45 pm *Plenary: How Do You Choose a Measure of Biologic Age?*
Steven Cummings, University of California, San Francisco

Topic III: Physiologic Aging

Moderator: Richard Miller, University of Michigan

1:45 – 2:00 pm *Immune System Aging*
Allison Aiello, University of North Carolina, Chapel Hill

2:00 – 2:15 pm *Brain Aging*
Claudia Kawas, University of California, Irvine

2:15 – 2:30 pm *Cardiovascular Aging*
Ed Lakatta, National Institute on Aging

2:30 – 2:45 pm *Age-Normalized Physiology / Deficit Accumulation*
Dan Belsky, Columbia University

2:45 – 3:00 pm *Frailty / Physical Function – Integrated Measures*
Anne Newman, University of Pittsburgh

3:00 - 3:15 pm *Break*

Topic IV: Applications/Implications

Moderator: Stephen Kritchevsky, Wake Forest School of Medicine

3:15 – 3:30 pm *Clinical Implications of Biologic Age*
Jeremy Walston, Johns Hopkins University

3:30 – 3:45 pm *Implications for Life Course Studies*
Terrie Moffit, Duke University

3:45 – 4:00 pm *Implications for Health Disparities Research*
Keith Whitfield, University of Nevada, Las Vegas

4:00 – 4:15 pm

Applications for Clinical Trial Research

Sara Espinoza, University of Texas Health San Antonio

4:15 – 4:30 pm

An Economist's View of Biologic Age

Lauren Schmitz, University of Wisconsin