



P A R C A G I N G

Retreat
5.5.2025

Limits of Chronological Aging

University of Pennsylvania | PSC Commons

403 McNeil Building

3718 Locust Walk, Philadelphia, PA 19104



Penn Aging
Population Aging Research Center



PROGRAM

8:30-9:00 AM Breakfast & Coffee/Poster Drop-Off

Location: McNeil Building, PSC Commons 4th Floor

9:00-9:15 AM Welcome to the PARC Aging Retreat

PARC Co-Directors Hans-Peter Kohler and Norma Coe, University of Pennsylvania

9:15-10:15 AM Keynote: "Implausibility of Radical Life Extension in Humans in the 21st Century"

S. Jay Olshansky, University of Illinois at Chicago

10:15-10:30 AM Break

10:30-12:00 PM Session 1: Biosocial Aging

10:30 AM "Biosocial Global Aging and Alzheimer's Disease and Related Dementias Research A Roadmap Based on Malawi Longitudinal Study of Families and Health (MLSFH) Research"

Iliana Kohler, University of Pennsylvania

10:50 AM "Brain Telomere Length Associates with Hippocampal p-tau and is Mediated By DNA Methylation"

Nadia Dehghani, University of Pennsylvania

11:10 AM "Epigenetic Age Acceleration is Faster in Black Adults and is Associated with Plasma Amyloid"

Rory Boyle, University of Pennsylvania

11:30 AM "Contextualizing Molecular and Structural Aging Across Human Organs"

Bingxin Zhao, University of Pennsylvania

12:00-1:00 PM Poster Presentations and Lunch

Location: McNeil Atrium, 2nd Floor

1:00-2:00 PM Keynote: "Can We Ever Live Longer?"

Joseph Baur, University of Pennsylvania



2:00-3:20 PM Session 2: Aging and Cognition

- 2:00 PM **“The Evolution of Aging and the Role of Hybrid Intelligence in Cognitive Longevity”**
Cornelia C. Walther, University of Pennsylvania
- 2:20 PM **“Long-Term Mental Health Effects of Schooling in Developing Countries: New Causal Evidence for Brazil, China, India, and Mexico”**
Vikesh Amin, Central Michigan University
- 2:40 PM **“Cognitive Aging Across the Life Course in a Low-Income Context: Evidence from Malawi”**
Namrata Ray, University of Pennsylvania
- 3:00 PM **“Lifetime Occupational Complexity and Cognitive Function in Older Adults: Evidence from Employment Histories in Chile”**
Magdalena Delaporte, University of Pennsylvania

3:20-3:30 PM Break and Refreshments

3:30-5:00 PM Session 3: Caregiving

- 3:30 PM **“Policies to Support Nursing Home Staffing Levels During Public Health Emergencies: The Effect of the United States Paycheck Protection Program”**
Lindsay White, University of Pennsylvania
- 3:50 PM **“Towards a Better Understanding of Post-Acute and Outpatient Rehabilitation Use Among Older Veterans Post-Stroke”**
Kimberly Waddell, University of Pennsylvania
- 4:10 PM **“Intergenerational Reciprocity and Economic Well-being of Older Adults From the Perspective of Family Structure Heterogeneity: Preliminary Findings From India”**
Qixin Cai et al, George Mason University
- 4:30 PM **“The Golden Years: Assessing the Performance of an Inpatient Geriatrics Consult Service at an Academic Hospital”**
Colbey Freeman and Raquel Russek, University of Pennsylvania

5:00-6:00 PM Closing Remarks and Reception

Location: McNeil Building, PSC Commons 4th Floor

BIOGRAPHIES

S. Jay Olshansky

S. Jay Olshansky received his Ph.D. in Sociology at the University of Chicago in 1984. He is a Professor in the School of Public Health at the University of Illinois at Chicago, Research Associate at the Center on Aging at the University of Chicago, Chief Scientist at Lapetus Solutions, Inc., a company that he co-founded, and Chief Scientist at Wealthspan Financial Partners, LLC. The focus of his research is on estimates of the upper limits to human longevity, exploring the health and public policy implications associated with individual and population aging, forecasts of the size, survival, and age structure of the population, pursuit of the scientific means to slow aging in people (The Longevity Dividend), and global implications of the re-emergence of infectious and parasitic diseases. During the last 40 years, Dr. Olshansky has been working with colleagues in the biological sciences to develop the modern "biodemographic paradigm" of mortality - an effort to understand the biological nature of the survival and dying out processes of living organisms. Dr. Olshansky's recent work is focused on linking the scientific study of aging with investments in longevity and mortality related products. Dr. Olshansky is a former Board member, American Federation of Aging Research (AFAR) and he served on the Board of Scientific Advisors at PepsiCo. Dr. Olshansky has been honored with many awards including the the Donald P. Kent Award from the Gerontological Society of America, the Irving S. Wright Award from the American Federation for Aging Research, the Alvar Svanborg Award, and the Glenn Award from the Glenn Foundation for Medical Research.

Joseph Baur

Joseph Baur is a Professor in the Department of Physiology and the Institute for Diabetes, Obesity, and Metabolism at the Perelman School of Medicine of the University of Pennsylvania. He has made key contributions to the understanding of how metabolism and dietary factors influence longevity. In 2006, Dr. Baur and colleagues showed that a polyphenolic compound, resveratrol, is able to improve insulin sensitivity and ameliorate premature mortality in obese mice. He led a team that revealed a mechanism accounting for off-target effects of rapamycin, a drug that extends life in mice, but has side effects that may limit its utility in humans. His laboratory at Penn is currently focused on the use of small molecules to understand and mimic the health-promoting effects of caloric restriction in rodents, with a particular focus on nicotinamide adenine dinucleotide (NAD +) metabolism.). Dr. Baur has served on the Cellular Mechanisms of Aging and Development study section and co-authored more than one hundred peer-reviewed publications, as well as numerous book chapters, invited commentaries and reviews.

Poster Presentations

- **"HIV and Aging Amongst Older Adults in Rural Malawi"**
 - Jethro Banda, University of Pennsylvania
- **"Gender Differences in Late-Life Cognition: How Reproductive History Shapes Aging Inequality in Rural Malawi"**
 - Adriana Scanteianu, University of Pennsylvania
- **"Hypertension Trends In Malawi: A Decade of Evidence"**
 - Helene Purcell, University of Pennsylvania
- **"Dementia Caregivers' Perception of Caregiver-Centered Hospice Communication: Does Experience Matter?"**
 - Oonjee Oh, University of Pennsylvania
- **"Cognitive Aging in Ghana: Implementing HCAP in a Sub-Saharan African Low-Middle Income Country"**
 - Magdalena Delaporte et al, University of Pennsylvania