

SOCIETAL IMPLICATIONS OF GEROSCIENCE: A WORKSHOP

December 5, 2024



The
John A. Hartford
Foundation



NATIONAL
ACADEMY
of MEDICINE



Societal Implications of Geroscience: A Workshop

December 5, 2024 | 9:00AM-4:30PM

AGENDA

ARRIVAL AND BREAKFAST | 9:00-9:30AM (30 MINUTES)

WELCOME AND INTRODUCTION | 9:30-9:50AM (20 MINUTES)

- Speaker: **Debra Whitman**, PhD, Chief Public Policy Officer, AARP
- Speaker: **Victor J. Dzau**, MD, President, National Academy of Medicine

GEROSCIENCE IN THE CONTEXT OF HEALTHY LONGEVITY | 9:50-10:50AM (1 HOUR)

This session will introduce the field of geroscience and provide an overview of the latest research and future directions. Then, speakers will explore how advancements in geroscience can extend healthspan while also contributing to ongoing efforts to achieve healthy longevity at a societal level. Speakers will highlight the need to integrate geroscience into a broader public health approach in response to longer, healthier lives and the imperative of equity and access in healthcare.

- Moderator & speaker: **Linda Fried**, MD, Dean, Mailman School of Public Health, Columbia University, Co-Chair of Global Roadmap for Healthy Longevity
- Speaker: **Felipe Sierra**, PhD, Chief Science Officer, Hevolution Foundation
- Speaker: **Nir Barzilai**, MD, President, Academy for Health and Lifespan Research; Director, Institute for Aging Research at the Albert Einstein College of Medicine

BREAK | 10:50-11:00AM (10 MINUTES)

EQUITY BY DESIGN | 11:00AM-12:10PM (70 MINUTES)

This session will focus on the important implications for society related to access, cost, equity, social norms, and ethics when it comes to the development of future interventions that aim to extend healthspan. Speakers will highlight racial disparities in healthspan and discuss how racism and poverty are contributing to accelerated aging; whether and how advancements in geroscience could address or expand such disparities; and whether specific policies can be implemented to support the potential for geroscience to reduce health disparities.

- Moderator & Speaker: **Arline T. Geronimus**, ScD, Professor, Health Behavior and Health Education, University of Michigan
- Speaker: **S. Jay Olshansky**, PhD, Professor, Epidemiology and Biostatistics, University of Illinois Chicago
- Speaker: **Nancy Jecker**, PhD, Professor of Bioethics and Humanities, University of Washington School of Medicine
- Speaker: **Doris Molina-Henry**, PhD, Scholar, USC Schaeffer Institute, Assistant Professor of Research Neurology

QUICK BREAK | 12:10-12:15PM (5 MINUTES)

DEMOCRATIZING THE PRINCIPLE OF GEROSCIENCE | 12:15-1:00PM (45 MINUTES)

This session will present tools and interventions that can facilitate democratization of the geroscience principle. Most of the geroscience discussion focus on the potential of gerotherapeutics, and less about opportunities to modulate the biology of aging through changes in behavior (e.g., diet, exercise, sleep) and social determinants of health (e.g., pollution, food deserts, the built environment). Speakers will discuss how these goals could be facilitated by emerging wearable devices, for example, movement trackers, glucometers, software for tracking food intake, and as well as the potential utility of biological clocks to change health related behaviors.

- Moderator: **Michele K. Evans**, MD, Deputy Scientific Director and Chief, Health Disparities Research Section, National Institute on Aging / National Institutes of Health
- Speaker: **Roland J. Thorpe, Jr.**, PhD, Professor, Bloomberg School of Public Health, Johns Hopkins University
- Speaker: **Josh Denny**, MD, MS, CEO, *All of Us* Research Program, National Institutes of Health

LUNCH BREAK | 1:00-1:45PM (45 MINUTES)

COMMUNICATION ABOUT GEROSCIENCE TO COMBAT AGEISM | 1:45-2:45PM (1 HOUR)

This session will provide a frame for how geroscience fits into the natural process of aging. Speakers will explore ways to communicate about geroscience that not only avoid stigmatization of older adults and the aging process but help address ageism. Speakers will also discuss how ageism and disparities in healthspan could affect the perception of geroscience interventions. Given that aging is both a natural phenomenon and an important phase in the life course, speakers will explore how extending healthspan can unlock benefits for individuals and society.

- Moderator & Speaker: **Becca Levy**, PhD, Professor of Public Health (Social and Behavioral Sciences) and Psychology, Yale University
- Speaker: **Mary Tinetti**, MD, Gladys Phillips Crofoot Professor of Medicine (Geriatrics) and Professor in the Institution for Social and Policy Studies, Yale University
- Speaker: **Lisbeth Nielsen**, PhD, Director, Div. of Behavioral and Social Research, NIA

BREAK | 2:45-3:00PM (15 MINUTES)

MEANINGFUL GEROSCIENCE OUTCOMES FOR SOCIETY | 3:00-4:00PM (1 HOUR)

This session will discuss the primary objectives of geroscience and desired outcomes at a societal level. Speakers will identify critical considerations in identifying endpoints and performing clinical trials in this space. Speakers will also discuss how geroscience interventions would be implemented or prescribed and which ages and populations should be prioritized for treatment. Speakers will explore how various stakeholders (researchers, policymakers, payers, consumers, etc.) might define success for geroscience interventions and the potential costs and benefits of geroscience to healthcare systems.

- Moderator (no presentation/speaker role): **Meena Seshamani**, MD, PhD, Deputy Administrator and Director, Center for Medicare
- Speaker: **Stephen Kritchevsky**, PhD, Professor, Gerontology and Geriatric Medicine, Wake Forest University
- Speaker: **Luigi Ferrucci**, MD, Scientific Director, National Institute on Aging, National Institutes of Health
- Speaker: **Raymond Jetson**, President, Aging While Black

REFLECTIONS AND WORKSHOP WRAP UP | 4:00-4:30PM (30 MINUTES)

- **Luigi Ferrucci**, MD, Scientific Director, National Institute on Aging, National Institutes of Health

WELCOME & INTRODUCTION



VICTOR J. DZAU
NATIONAL ACADEMY OF MEDICINE



DEBRA WHITMAN
AARP





VICTOR J. DZAU, MD
President, National Academy of Medicine

Victor J. Dzau is President of the US National Academy of Medicine (NAM) and serves as Vice Chair of the US National Research Council. He is Chancellor Emeritus and James B. Duke Professor at Duke University and past CEO of the Duke Health System. Previously, he was Professor and Chair of Medicine at Harvard and Stanford Universities. He is an internationally acclaimed leader and physician-scientist whose research laid the foundation for development of the class of lifesaving drugs known as ACE inhibitors, used globally to treat high blood pressure and congestive heart failure.

Dr. Dzau serves as the inaugural president of the NAM, where he leads a strategy of innovation, action, and equity. Under his tenure, the NAM has launched important initiatives including the Global Health Risk Framework, the Human Genome Editing Initiative, the Action Collaborative on Clinician Well-Being and Resilience, the Grand Challenge in Climate Change and Health and the Committee on Emerging Science, Technology, and Innovation in Health and Medicine. As a leader in academic medicine, he has advanced the model of “Bench to Bedside to Population to Society” to emphasize population health, social mission, and equity in the academic mission. The launch of the NAM Healthy Longevity Global Grand Challenge represents Dr. Dzau’s vision to inspire across disciplines and sectors to coalesce around a shared priority and audacious goal to advance health. The Grand Challenge consists of the Roadmap for Healthy Longevity and the Global Competition.

Among Dr. Dzau’s many honors and recognitions are the Gustav Nylin Medal from the Swedish Royal College of Medicine and the Poulzer Prize of the European Academy of Sciences and Arts. He is a member of the American Academy of Arts and Sciences, the Royal Society of Medicine, and the European Academy of Sciences and Arts. Dr. Dzau has received 21 honorary doctorates.



DEBRA B. WHITMAN, PhD

Executive Vice President & Chief Public Policy Officer, AARP

Debra Whitman is the author of [The Second Fifty: Answers to the 7 Big Questions of Midlife and Beyond](#). She is an economist and expert on aging issues with an extensive background in policymaking and research. She is a strategic thinker whose life's work has been devoted to solving problems and improving the systems that impact us all throughout our lives.

As Chief Public Policy Officer for AARP, Debra leads a team of 150 experts in all aspects of policy development, analysis, research, and global thought leadership to produce policy and research insights and solutions that help communities, lawmakers, and the private sector improve our lives as we age.

Debra serves as an AARP spokesperson on a diverse set of issues including long-term care and caregiving, financial security, health and longevity, and engaging a multi-generational workforce. She connects with a range of stakeholders such as the United Nations, the World Economic Forum, the Organization for Economic Co-operation and Development (OECD), Forbes and the Aspen Institute.

Previously, as staff director for the U.S. Senate Special Committee on Aging, Debra worked across the aisle to increase retirement security, lower health care costs, protect vulnerable seniors, make the pharmaceutical industry more transparent, and improve our long-term care system.

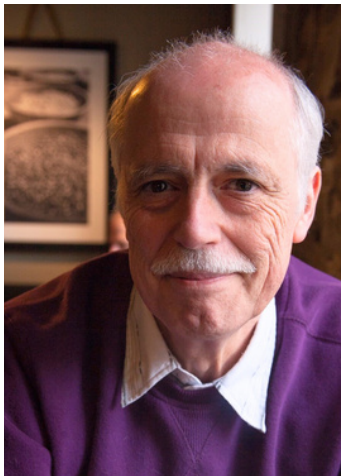
Before that, she worked for the Congressional Research Service as a specialist in the economics of aging and served as a Brookings LEGIS Fellow to the U.S. Senate Committee on Health, Education, Labor and Pensions.

Debra is a public speaker, mom, and an advocate for those whose voices need to be heard.

PANEL: GEROSCIENCE IN THE CONTEXT OF HEALTHY LONGEVITY



MODERATOR & SPEAKER:
LINDA FRIED
COLUMBIA UNIVERSITY



FELIPE SIERRA
HEVOLUTION
FOUNDATION



NIR BARZILAI
ACADEMY FOR HEALTH AND
LIFESPAN RESEARCH; ALBERT
EINSTEIN COLLEGE OF MEDICINE

LINDA FRIED, MD, MPH

Linda P. Fried, MD, MPH, is dean of Columbia University Mailman School of Public Health since 2008. She additionally serves as senior vice president of Columbia University Irving Medical Center and director of the Robert N. Butler Columbia Aging Center. Dr. Fried, a geriatrician population scientist, has dedicated her career to the science of healthy longevity, including defining frailty as a clinical syndrome, and defining the causes and consequences of cardiovascular disease and multimorbidity, loneliness, and disability in aging. With the goal of creating and distilling the science base for successful societies of longer lives, she co-chaired the 2022 National Academy of Medicine report, "Global Roadmap for Health Longevity." Dean Fried leads the Butler Columbia Aging Center, a University-wide center dedicated to creating the knowledge of how to extend the longevity over healthy years to match the length of lives and how to create societies with longer lives on which all can thrive. Dr. Fried is the author of 500+ peer-reviewed articles. She is an elected member of the US National Academy of Medicine (NAM) and served on its Executive Council. Dean Fried is a member of the Council on Foreign Relations. She was named among the top 1% most influential scientific minds of the past decade by Thomson-Reuters in 2014, and as one of 15 world leaders in science in 2012 by The New York Times. She is the recipient of numerous honors and awards, including, most recently, the 2022 George M. Kober Medal of the Association of American Physicians; 2022 Nicholas Murray Butler Medal, Columbia University; Politics New York Power Players in Health Care; and 2023 Knight of the Legion of Honour, Government of France; and NAM's 2023 David Rall Medal from the National Academy of Medicine, and 2024 New York academy of Medicine Stephen Smith Award for contribution to public health.

FELIPE SIERRA, PhD

Felipe Sierra, Ph.D. is the Chief Scientific Officer at Hevolution Foundation, a non-profit organization headquartered in Riyadh, Saudi Arabia, that awards grants and early-stage investments to support research in the fields of healthy longevity and geroscience. Trained as a biochemist in his native Chile, he obtained a PhD in Biochemistry and Molecular Biology from the University of Florida in 1983 and has since then worked in Academia, Industry and Government, in a career that spans South America (Chile), USA and Europe (Switzerland and France). Dr. Sierra served as Director of the Division of Aging Biology, NIA/NIH from April 2006 to March 2020. During his tenure at the NIH, he developed the concept of Geroscience and created the trans-NIH Geroscience Interest Group (GSIG). The group seeks to promote research on the "geroscience hypothesis" which states that slowing the rate of aging will delay the initiation or diminish the severity of adult-onset diseases and loss-of-resilience. He has received multiple recognitions for this work, including thrice the NIH Director's Awards, a BEACON Award and a Career Achievement Award from the American Aging Association. After his tenure at NIH he went on to work as Director of Geroscience for the Inspire program in Toulouse, France, and most recently, as Chief Scientific Officer at Hevolution Foundation.





NIR BARZILAI, MD

Dr. Nir Barzilai is a preeminent leader in geroscience, demonstrating in his studies that aging has its own biology that drives age-related diseases, a process that can be targeted. At Albert Einstein College of Medicine, he is a professor in the departments of Medicine and Genetics, the director of the Institute for Aging Research, and the director of the Einstein-National Institutes of Health (NIH) Nathan Shock Center of Excellence in the Basic Biology of Aging, and the author of >350 papers. He made seminal discoveries in extending the health and lifespan of animals and discovering pathways for exceptional longevity in humans. He is leading an international effort to approve drugs targeting aging. Targeting Aging with Metformin (TAME) is a specific study conceived by Dr. Barzilai to prove that a single drug can combat multiple diseases associated with aging and get FDA approval for targeting aging. Dr. Barzilai is a co-founder and the President of the Academy for Health and Lifespan Research (AHLR). He is also on the American Federation for Aging Research board of directors, where he co-leads its biomarker effort (FAST), TAME, and SuperAgers family study initiative. He is an Executive of the Longevity Biotech Association (LBA) and serves on the Healthy Longevity Medicine Society council. He authored *Age Later: Health Span, Life Span, and the New Science of Longevity*.



PANEL: EQUITY BY DESIGN



MODERATOR & SPEAKER:
ARLINE T. GERONIMUS
UNIVERSITY OF MICHIGAN



S. JAY OLSHANSKY
UNIVERSITY OF ILLINOIS
CHICAGO



DORIS MOLINA-HENRY
UNIVERSITY OF
SOUTHERN CALIFORNIA



NANCY JECKER
UNIVERSITY OF
WASHINGTON
SCHOOL OF MEDICINE



ARLINE T. GERONIMUS, ScD

Dr. Arline T. Geronimus is a Professor at the University of Michigan's School of Public Health in the Department of Health Behavior and Health Equity; a Research Professor at the Institute for Social Research in the Population Studies Center and the Michigan Center for the Demography of Aging; and a founding affiliate of the UM Center for Research on Ethnicity, Culture, and Health. Elected to membership in the National Academy of Medicine, she received her undergraduate degree in Political Theory from Princeton University, her doctorate in Behavioral Sciences from the Harvard School of Public Health, and postdoctoral training at Harvard Medical School. Dr. Geronimus originated Weathering theory, positing oppressed or exploited populations experience accelerated biological aging and pay a high price in their health by engaging structured injustice in their daily round. Pointing to collective strategies marginalized communities employ to mitigate, resist, or undo weathering, she considers the trade-offs these strategies reflect and the perturbations public policy often causes in such autonomous protections. Based on her scientific work on weathering, she received the 2024 David and Rosemary Adamson Excellence in Reproductive Medicine Award and was one of 10 winners world-wide in Social Sciences and Humanities in the 2023 Global Falling Walls Science Breakthroughs of the Year. In addition to more than 100 related scholarly articles, Dr. Geronimus is author of the book "WEATHERING: The Extraordinary Stress of Ordinary Life in an Unjust Society," published by Little Brown and chosen as one of the 10 best nonfiction books of 2023 by Kirkus Reviews, Essence and the Root, among other accolades.

DORIS MOLINA-HENRY, PhD

Dr. Doris Molina-Henry is an Assistant Professor of Research Neurology at the USC Keck School of Medicine's Alzheimer's Therapeutic Research Institute. Her work focuses on strategies to recruit and retain diverse participants in clinical trials. Currently, she evaluates methods to encourage cognitively unimpaired, at-risk, diverse adults to join studies that aim to prevent Alzheimer's symptoms before they appear. She also investigates why individuals from diverse racial and ethnic backgrounds, who are at high risk of dementia, are often under-enrolled or ineligible for trials involving amyloid-lowering treatments. Her team's recent findings, which align with prior reports from others, suggest that this disparity may be due to a lower prevalence of amyloid in some groups. In light of this, Dr. Molina-Henry aims to identify other dementia risk factors, such as inflammatory or vascular pathologies, which could guide therapeutic approaches in future trials. She earned her PhD in Neurobiology and Anatomy from Wake Forest University School of Medicine.

NANCY S. JECKER, PhD

Nancy S. Jecker is a Professor of Bioethics and Humanities, University of Washington School of Medicine. She was elected President of the International Association of Bioethics (2022-2024) and serves on its Board of Directors (2019-2028). Previously, she served on the Board of Directors for the American Society of Bioethics and Humanities. Dr. Jecker holds Visiting Professorships at the University of Johannesburg African Centre for Epistemology and Philosophy of Science and the Chinese University of Hong Kong Centre for Bioethics. Dr. Jecker is a Fulbright U.S. Scholar; two-time recipient of the Japanese Society for the Promotion of Science international fellowship; and three-time Rockefeller Foundation Fellowship awardee. Dr. Jecker was a Visiting Professor at the National University of Singapore; Scholar-in-residence at the Brocher Foundation; and Visiting Professor at The University of Bucharest Research Institute. She has been a keynote speaker at national and international conferences, including UNESCO World Bioethics Day; Israeli Ministry of Health; Daniel W. Foster, M.D. Visiting Lectureship in Medical Ethics, University of Texas Southwestern Medical Center; and Treuman Katz Annual Lectureship, Treuman Katz Center for Pediatric Bioethics. Dr. Jecker has published over 200 journal articles and four books. Her fifth book (with co-author Caesar Atuire), *What is a Person? Untapped Insights from Africa*, will be the first in Oxford's new series, *Philosophy Across Borders*. Dr. Jecker's expertise is global bioethics, individual and societal aging, justice and healthcare allocation, sub-Saharan African philosophy, medical futility, and AI ethics.

S. JAY OLSHANSKY, PhD

S. Jay Olshansky is a Professor in the School of Public Health at the University of Illinois at Chicago. 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/Geroscience), 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. Books: *The Quest for Immortality: Science at the Frontiers of Aging* (Norton, 2001); *A Measured Breath of Life* (2013); *The Rise of Generians* (2020); *Pursuing Wealthspan* (2020); co-editor of *Aging: The Longevity Dividend* (Cold Spring Harbor Laboratory Press, 2015); and co-editor of *Aging: Geroscience as the New Public Health Frontier* (Cold Spring Harbor Laboratory Press, 2024). Awards: Donald P. Kent Award from the Gerontological Society of America; Irving S. Wright Award from the American Federation for Aging Research; Next Avenue Influencer in Aging; Alvar Svanborg Award; and the Glenn Award from the Glenn Foundation for Medical Research. In 2022 Dr. Olshansky testified before the U.S. House Committee on Science, Space, and Technology on the topic of aging and Geroscience and how advances in aging biology are about to transform what it means to grow old.



PANEL: DEMOCRATIZING THE PRINCIPLE OF GEROSCIENCE



MODERATOR:
MICHELE K. EVANS
NATIONAL INSTITUTE ON AGING



ROLAND J. THORPE, JR.
JOHNS HOPKINS
UNIVERSITY



JOSH DENNY
ALL OF US
RESEARCH PROGRAM
NATIONAL INSTITUTES OF
HEALTH

MICHELE K. EVANS, MD

Dr. Evans serves as Deputy Scientific Director, NIA, Senior Investigator and Chief of the Health Disparities Research Section in the Laboratory of Epidemiology and Population Sciences as well as the Training Director for the NIA Intramural Research program. Trained as a medical oncology physician scientist her program of research uses interdisciplinary clinical and basic science methods to explore the biologic transduction pathways through which the social determinants of health lead to disparate health outcomes. The approach provides a two-way bridge between basic science laboratory studies and clinical research that spans from the targeted epidemiologic population to the bench. Her work dissects the interactions of race, socioeconomic status, behavior, social environment, and genetic and biologic vulnerabilities, to understand these health disparities. She is principal investigator of the 20-year-old community-based longitudinal epidemiologic study Healthy Aging in Neighborhoods of Diversity across the Life Span (HANDLS)([external link](#)) which provides a cohort for translational research studies to facilitate investigation of health disparities in terms of a medical/biologic phenotype that may be amenable to dissection by bench scientists examining the molecular aspects of aging, disease and disability. She serves on the editorial board of The New England Journal of Medicine and the Oncologist. Dr. Evans serves on several trans-NIH Committees. Her service as co-chair of the 'N' Committee of the NIH UNITE movement initiated the establishment of a 10-year, 400-million-dollar NIH Common Fund project to increase funding for health disparities research known as ComPASS, Community Partnerships to Advance Science for Society: <https://commonfund.nih.gov/compass>.

JOSHUA C. DENNY, MD, MS

Josh Denny is the Chief Executive Officer of the National Institutes of Health's All of Us Research Program. Josh has been involved since the program's inception. He was a member of the Advisory Committee to the NIH Director Precision Medicine Initiative Working Group, which developed the program's initial scientific blueprint. He then led the program's initial prototyping project and the All of Us Data and Research Center. Josh was named CEO of All of Us in January 2020. Prior to joining NIH, Josh was a professor of biomedical informatics and medicine, founding director of the Center for Precision Medicine, vice president for personalized medicine at Vanderbilt University Medical Center, and a practicing physician. There, he led discovery and implementation projects in precision medicine, including clinical pharmacogenomics and Vanderbilt's DNA biobank. He was a pioneer in the use of electronic health records for genomics studies, including the initial descriptions of phenome-wide association studies (PheWAS) and phenotype risk scores.





ROLAND J. THORPE, JR., PhD, MS

Roland J. Thorpe, Jr., PhD, MS, is a Professor in the Department of Health, Behavior, and Society, Founding Director of the Program of Men's Health Research in the Hopkins Center for Health Disparities Solutions (HCHDS), Deputy Director of HCHDS, and Co-Director of the Johns Hopkins Alzheimer's Disease Resource Center for Minority Aging Research at Johns Hopkins Bloomberg School of Public Health. He was recently appointed as the inaugural Associate Vice Provost of Faculty Diversity. He holds joint appointments in the Division of Geriatric Medicine and Gerontology in the Department of Medicine, and the Department of Neurology at the Johns Hopkins School of Medicine, and the Department of Sociology at the Krieger School of Arts and Sciences at Johns Hopkins University. Dr. Thorpe is a social epidemiologist whose research focuses on the association of how social determinants of health impact health and functional outcomes among men across the adult life course. Dr. Thorpe serves as multiple principal investigator (MPI) on several NIA funded grants and is a MPI of the Artificial Intelligence/ Machine Learning consortium to Advance Health Equity and Researcher Diversity (AIM-AHEAD). He participates in several training programs designed to develop under-represented minorities at many career stages. He is a past recipient of the Johns Hopkins School of Public Health Advising, Mentoring, and Teaching Recognition Award, the inaugural annual NHLBI OHD PRIDE Roland J. Thorpe, Jr. mentoring award, recipient of the 2020 Minority Issues in Gerontology Outstanding Mentorship Award and the 2020 JHBSPH Dean's Award of Distinction in Faculty Mentoring.

PANEL: COMMUNICATION ABOUT GEROSCIENCE TO COMBAT AGEISM



MODERATOR & SPEAKER:
BECCA LEVY
YALE UNIVERSITY



LISBETH NIELSEN
NATIONAL INSTITUTE ON AGING



MARY TINETTI
YALE UNIVERSITY



BECCA R. LEVY, PhD

Dr. Levy's research explores psychosocial factors that influence older individuals' cognitive and physical functioning, as well as their longevity. She is credited with creating a field of study that focuses on how positive and negative age stereotypes, which are assimilated from the culture, can have beneficial and adverse effects, respectively, on the health of older individuals. Her studies have been conducted by longitudinal, experimental, and cross-cultural methods. She has received numerous awards for her research including a Brookdale National Fellowship for Leadership in Aging, the Baltes Distinguished Research Achievement Award from the American Psychological Association, the Richard Kalish Innovative Publication Award from the Gerontological Society of America and the Ewald W. Busse Research Award in the Social Behavioral Sciences from the International Association of Gerontology and Geriatrics that is given once every four years. She is an Associate Editor of the Handbook of Psychology of Aging, a consulting editor for Psychology and Aging, is on the founding editorial board of Stigma and Health, and serves on the editorial boards of GeroPsych and Journal of Gerontology: Psychological Science. Dr. Levy has given invited testimony before the United States Senate on the effects of ageism and contributed to briefs submitted to the United States Supreme Court in age-discrimination cases. She has served as a scientific advisor to the World Health Organization Global Campaign to Combat Ageism. She received her Ph.D. in psychology from Harvard University and held a National Institute on Aging postdoctoral fellowship at the Division of Aging and Department of Social Medicine at Harvard Medical School. Her research has been supported by the National Institute on Aging, the National Heart, Lung and Blood Institute, the National Science Foundation, and The Patrick and Catherine Weldon Donaghue Medical Research Foundation.

MARY E. TINETTI, MD

Dr. Tinetti is the Gladys Phillips Crofoot Professor of Medicine (Geriatrics) and Public Health and emeritus Chief of Geriatrics at Yale School of Medicine. She is leading a national effort to develop, test, disseminate, implement, and spread an approach to healthcare decision-making, Patient Priorities Care, that focuses on aligning the care of older adults with multiple conditions on their individual health priorities. She chaired an Institute for Healthcare Improvement-led national group of advisors helping health systems become Age-Friendly and is a faculty member for the Age Friendly Health System initiative. A related focus is determining the net benefits and harms of commonly used treatments, among older adults in the face of multiple health conditions. Her previous research focused on identifying the causes and consequences of falls and fall injuries as well as preventive strategies for reducing their occurrence. Dr. Tinetti has published over 250 articles. She completed her undergraduate and medical degrees at the University of Michigan. She has received numerous awards, is a member of the National Academy of Medicine, and is a MacArthur Foundation Fellow. She provides care to older adults at Yale New Haven Health.



LIS NIELSEN, PhD

Lis Nielsen is director of the Division of Behavioral and Social Research (BSR) at the National Institute on Aging (NIA), which supports transdisciplinary social, behavioral, psychological, and economic research on aging and dementia at the individual and societal level. In 2005, Nielsen joined NIA's Individual Behavioral Processes Branch to develop initiatives in behavioral, psychological, and integrative biobehavioral research on aging. She was instrumental in launching new areas of research in subjective well-being and the social, affective and economic neurosciences of aging. She initiated several transdisciplinary aging research networks and served as liaison to the Resource Centers on Minority Aging (RCMAR) program. Across NIH, Nielsen played major roles in the NIH Science of Behavior Change (SOBC) Common Fund program and the Basic Behavioral and Social Sciences Opportunity Network (OppNet). Nielsen has been an advocate for the study of aging processes across the full life course, including biobehavioral research on early life influences on later life outcomes and on processes in midlife that play a causal role in shaping trajectories of aging and cognitive health. She holds a BA in Philosophy from Rhodes College, a master's degree in psychology from Copenhagen University, and a Ph.D. in cognitive psychology and cognitive science from the University of Arizona. Prior to joining NIA, Nielsen conducted research in affective and decision science of aging at Stanford University. She is a fellow of the Academy of Behavioral Medicine Research, the Association for Psychological Science, and the Mind and Life Institute.

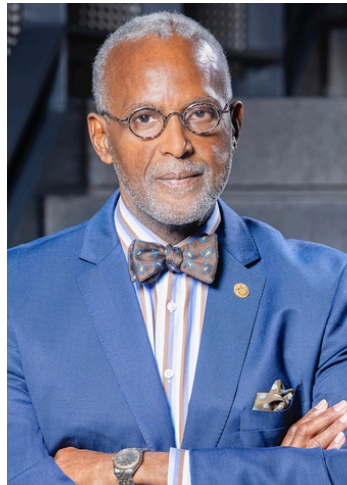
PANEL: MEANINGFUL GEROSCIENCE OUTCOMES FOR SOCIETY



MODERATOR:
MEENA SESHAMANI
CENTER FOR MEDICARE



STEPHEN KRITCHEVSKY
WAKE FOREST
UNIVERSITY



RAYMOND JETSON
AGING WHILE BLACK



LUIGI FERRUCCI
NATIONAL INSTITUTE
ON AGING



MEENA SESHAMANI, MD, PhD

Meena Seshamani, MD, PhD is an accomplished, strategic leader with a deep understanding of health economics and a heart-felt commitment to outstanding patient care. Her diverse background as a health care executive, health economist, physician and health policy expert has given her a unique perspective on how health policy impacts the real lives of patients. As Deputy Administrator and Director of the Center for Medicare at the Centers for Medicare & Medicaid Services, Dr. Seshamani is responsible for policy and operations for the health care coverage of more than 64 million Americans in the Medicare program, with an annual budget of roughly \$1 trillion. Since joining CMS, Dr. Seshamani has led her nearly 1,000 person team through historic transformation to further the agency's goals to advance health equity, expand access to coverage and care, drive innovation for high-quality, whole-person care, and promote affordability and sustainability of the Medicare program for generations to come. She has driven bold policymaking in the Traditional Medicare, Medicare Advantage, value-based care, and drug affordability spaces through proactive, thoughtful engagement with external stakeholders, and by creating a work environment in which people feel valued and their hard work is celebrated to truly drive operational excellence. She is also the senior official responsible for CMS's implementation activities under the Inflation Reduction Act, which make the largest changes to the Medicare program since the enactment of Part D in 2003.

Dr. Seshamani is a Hopkins-trained surgeon and Oxford-trained PhD economist, where she was a Marshall Scholar. Prior to joining CMS, she served as Vice President of Clinical Care Transformation at MedStar Health, where she conceptualized, designed, and implemented population health and value-based care initiatives and served on the senior leadership of the 10 hospital, 300+ outpatient care site health system. She also cared for patients as a head and neck surgeon at MedStar Georgetown University Hospital and at Kaiser Permanente in San Francisco.

Dr. Seshamani also brings decades of policy experience to her role, including serving on the leadership of the Biden-Harris Transition HHS Agency Review Team. Prior to MedStar Health, she was Director of the Office of Health Reform at the US Department of Health and Human Services, where she drove strategy and led implementation of the Affordable Care Act across the Department, including coverage policy, delivery system reform, and public health policy.



STEPHEN B. KRITCHEVSKY, PhD

Stephen B. Kritchevsky, PhD is the Toby R. Alligood, MD Endowed Professor in Geroscience at the Wake Forest School of Medicine where he leads the Sticht Center for Healthy Aging and Alzheimer's Prevention and Wake Forest's NIA-funded Claude D. Pepper Older Americans Independence Center (OAIC). Dr. Kritchevsky studies nutritional influences that affect trajectories of health and disability in older adults including vitamins, protein, energy balance, obesity and exercise. His recent interest is in the evaluation of geroscience-inspired therapies. Dr. Kritchevsky has held leadership positions in notable aging studies including the Health ABC study, the LIFE trial, and the on-going Study of Muscle, Mobility and Aging. He was the Editor-in-Chief of the Journal of Gerontology: Medical Sciences from 2012 – 2016 and is a past member of the National Advisory Council on Aging. He is also a leader of the NIA-funded Translational Geroscience Network, the goal of which is to establish an infrastructure for the efficient clinical evaluation of interventions targeting the biology of aging to improve human health.

RAYMOND A. JETSON

Raymond A. Jetson launched Aging While Black, a movement designed to amplify the value and experiences of Black elders by exploring the intersection of aging and race. awB centers three essential pillars: Recalibrating the Village, Embracing Innovation, and Leaning into Sankofa. These pillars center the wellbeing of Black elders by promoting the overhaul of the systems that support Black life, adapting new technologies and their potential, and embedding the wisdom of the elders into the fabric of the culture. He has served as CEO of the Louisiana Family Recovery Corps, Deputy Secretary of Louisiana's Department of Health, State Representative for District 61, and pastor of Star Hill Church, impacting communities through leadership in public service and community building. A leading voice on community change strategies, social innovation, and authentic community engagement, he has served as a source for USA TODAY, The New York Times, NBC Nightly News, The Atlanta Journal-Constitution, and the Chronicle of Philanthropy.





LUIGI FERRUCCI, MS, PhD

Dr. Luigi Ferrucci is a geriatrician and an epidemiologist who conducts research on the causal pathways leading to progressive physical and cognitive decline in older persons. He has made major contributions in the design of many epidemiological studies conducted in the U.S. and in Europe, including the European Longitudinal Study on Aging, the "ICare Dicomano Study," the AKEA study of Centenarians in Sardinia and the Women's Health and Aging Study. He was also the Principal Investigator of the InCHIANTI study, a longitudinal study conducted in the Chianti Geographical area (Tuscany, Italy) looking at risk factors for mobility disability in older persons. Dr. Ferrucci received a Medical Degree and Board Certification in 1980, Board Certification in Geriatrics in 1982 and Ph.D. in Biology and Pathophysiology of Aging in 1998 at the University of Florence, Italy. He spent a 2-year internship at the Intensive Care Unit of the Florence Institute of Gerontology and Geriatrics, and was for many years Associate Professor of Biology, Human Physiology and Statistics at the University of Florence. Between 1985 and 2002 he was Chief of Geriatric Rehabilitation at the Department of Geriatric Medicine and Director of the Laboratory of Clinical Epidemiology at the Italian National Institute of Aging. In September 2002, he became the Chief of the Longitudinal Studies Section at NIA. From 2002 to 2014 he was the Director of the Baltimore Longitudinal Study on Aging. Dr. Ferrucci is currently the Scientific Director of NIA, since May 2011.



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- **Pinchas “Hassy” Cohen**, MD, Distinguished Professor of Gerontology, Medicine and Biological Sciences; Dean, USC Leonard Davis School of Gerontology, University of Southern California
- **Michele Evans**, MD, Senior Investigator, Laboratory of Epidemiology and Population Science, National Institute on Aging
- **Linda Fried**, MD, MPH, Dean, Mailman School of Public Health, Columbia University, Co-Chair of Global Roadmap for Healthy Longevity
- **Terry Fulmer**, PhD, RN, FAAN, President, John A. Hartford Foundation
- **Jeffrey Kahn**, MD, MPH, Andreas C. Dracopoulos Director, Robert Henry Levi and Ryda Hecht Levi Professor of Bioethics and Public Policy, Berman Institute of Bioethics, Johns Hopkins University
- **Becca Levy**, PhD, Professor of Public Health (Social and Behavioral Sciences) and Psychology, Yale University
- **Felipe Sierra**, PhD, Chief Science Officer, Hevolution Foundation and Former Director, Division of Aging Biology, National Institute on Aging
- **Erwin Tan**, MD, Director, Thought Leadership, AARP

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- **Michele Toplitz**, Senior Program Officer
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