Cancer & Accelerated Aging
ADVANCING RESEARCH FOR HEALTHIER SURVIVORS

Scientific Steering Committee And Invited Speaker Biographies

Scientific Steering Committee

Tim Ahles, Ph.D.

Dr. Tim Ahles received his Ph.D. (1982) in Clinical Psychology from the State University of New York at Albany and completed his internship at the University of Mississippi Medical Center. While on faculty of the Department of Psychiatry of Dartmouth Medical School he developed and directed the Center for Psycho-Oncology Research (1992-2006), which focused on quality of life and symptom management research in cancer patients. In April 2006, he moved to Memorial Sloan Kettering Cancer Center to develop and direct the Neurocognitive Research Laboratory.

Over the last 25 years, his research has focused on cognitive side effects of chemotherapy in patients with breast cancer and lymphoma. These studies have included cross-sectional and longitudinal studies of chemotherapy-induced cognitive change utilizing neuropsychological assessments and structural and functional MRI, examination of genetic factors and biomarkers that increase risk for cognitive changes, study of the interface of treatment-induced cognitive change and aging, the evaluation of cognitive behavioral interventions, and collaborative translational animal model studies designed to identify mechanisms of chemotherapy-induced cognitive change.

Andy Burnett, M.S.

Andy Burnett is CEO of Knowinnovation, a company dedicated to accelerating scientific research through the application of the theory and practice of deliberate creativity.

Judith Campisi, Ph.D.

Dr. Judith Campisi received a Ph.D. in Biochemistry from the State University of New York at Stony Brook, and postdoctoral training in cell cycle regulation at the Dana-Farber Cancer Institute and Harvard Medical School. As an Assistant Professor at the Boston University Medical School, she studied the role of cellular senescence in suppressing cancer, and soon became convinced that senescent cells also contributed to aging. She left Boston University as an Associate Professor to become a Senior Scientist at the Lawrence Berkeley National

Laboratory in 1991. In 2002, she started a second laboratory at the Buck Institute for Research on Aging, where she is a Professor. At both institutions, Dr. Campisi established a broad program to understand the relationship between aging and age-related disease, with an emphasis on the interface between cancer and aging. Her laboratory made several pioneering discoveries in these areas, and her research continues to challenge and alter existing paradigms. In recognition of her research and leadership, Dr. Campisi received numerous awards, including two MERIT awards from the National Institute on Aging, awards from the AlliedSignal Corporation, Gerontological Society of America and American Federation for Aging Research, the Longevity prize from the IPSEN Foundation, Bennett Cohen award from the University of Michigan, Schober award from Halle University and the first international Olav Thon Foundation prize. She is an elected fellow of the American Association for the Advancement of Science and serves on numerous national and international editorial and scientific advisory boards.

Rebecca Fuldner, Ph.D.

Dr. Rebecca Fuldner is a cellular and molecular biologist. She received her undergraduate degree in Biochemistry from the University of California, Berkeley, and a Ph.D. from the University of Wisconsin in Madison, Wisconsin. After spending five years as a senior staff fellow studying T cell activation in the Laboratory of Tumor Immunology and Biology at the National Cancer Institute, she joined The Institute for Genomic Research (TIGR) in Rockville, Maryland, and became familiar with various genomic approaches for gene discovery. The most challenging project she encountered while at TIGR was related to candidate gene identification for early onset Alzheimer's disease. In 1999, Dr. Fuldner returned to the National Institutes of Health (NIH), and she is currently the branch chief of the Aging Physiology Program within the Division of Aging Biology at the National Institute on Aging at NIH. Her portfolio includes research related to understanding the basis for senescence of the immune system in older individuals and therefore includes studies on the function of both the innate and adaptive immune systems in the elderly. In addition, her portfolio includes studies on vaccine effectiveness in elderly adults.

Lisa Gallicchio, Ph.D.

Dr. Lisa Gallicchio is a Program Director in the Clinical and Translational Epidemiology Branch (CTEB) of the Epidemiology and Genomics Research Program (EGRP) at the National Cancer Institute (NCI). She is involved in research efforts to identify clinical and genomic factors that influence cancer treatment outcomes, including those factors that may contribute to observed disparities in health outcomes.

Prior to joining EGRP, Dr. Gallicchio was a Senior Epidemiologist in The Prevention and Research Center in the Weinberg Center for Women's Health & Medicine at Mercy Medical Center. During this time, she also served as an Adjunct Assistant Professor in the University of Maryland at Baltimore Department of Epidemiology and Public Health and the Johns Hopkins University Bloomberg School of Public Health Department of Epidemiology.

Dr. Gallicchio's work at Mercy Medical Center involved overseeing studies aimed at better understanding long-term health outcomes of cancer survivors as well as factors associated with cancer treatment adherence. She was the Principal Investigator of a cohort study

examining racial differences in the cardiovascular health effects of aromatase inhibitors, a hormonal therapy commonly used among breast cancer patients. Dr. Gallicchio's research specialties also include clarifying factors that underlie the conditions affecting the health of women during midlife. She has a particular interest in health disparities.

Paige A. Green, Ph.D., M.P.H., F.A.B.M.R.

Dr. Paige A. Green, Ph.D., M.P.H., F.A.B.M.R., is chief of the Basic Biobehavioral and Psychological Sciences Branch in the Behavioral Research Program, Division of Cancer Control and Population Sciences, at the National Cancer Institute (NCI). Dr. Green has cultivated a biobehavioral research portfolio that focuses on elucidating biological mechanisms of psychosocial effects on health and disease. Dr. Green received her undergraduate degree in Psychology and her doctorate in Clinical Psychology from the University of Miami in Coral Gables, Florida. Her doctoral training included an emphasis on behavioral medicine and psychophysiology within the context of cardiovascular disease. Dr. Green completed her clinical psychology internship, with specialization in health psychology, at the Brown University Clinical Psychology Internship Consortium and postdoctoral fellowships at the Memorial Sloan Kettering Cancer Center and the Howard University Cancer Center. In 2005, she received a Master of Public Health degree from Bloomberg School of Public Health at Johns Hopkins University. She is an elected fellow of the Academy of Behavioral Medicine Research, a member and past leader of the American Psychosomatic Society, and program chair of the NCI Network on Biobehavioral Pathways in Cancer.

Dr. Green is a 2010 graduate of the NCI Senior Executive Enrichment & Development Leadership Program. She has received National Institutes of Health (NIH) Awards of Merit for outstanding coordination, leadership, and dedication to the NIH Genes, Environment and Health Initiative (2012) and for exceptional leadership of research advances in basic behavioral science at the NCI and NIH (2013). Dr. Green received the 2015 NIH Director's Award for exemplary performance while demonstrating significant leadership, skill, and ability in serving as a mentor, and she received the 2015 NCI Knowledge Management Program Exceptional Mentor Award. In 2015 Dr. Green was selected as one of five other federal servants to receive the 2015 Meritorious Research Service Commendation from the American Psychological Association Board of Scientific Affairs in recognition of her outstanding contributions to psychological science at the NCI.

Jennifer Guida, Ph.D., M.P.H.

Dr. Jennifer Guida, Ph.D., M.P.H., is a Postdoctoral Fellow in the Basic Biobehavioral and Psychological Sciences Branch in the Behavioral Research Program, Division of Cancer Control and Population Sciences, at the National Cancer Institute (NCI). Dr. Guida is interested in elucidating the biological pathways of psychosocial effects on quality of life for cancer survivors. Dr. Guida received her undergraduate degree in Anthropology from Arizona State University and a Master's in Public Health (M.P.H.) from the University of Colorado. During her M.P.H. training, she was a fellow at the Centers for Disease Control and Prevention in Atlanta, Georgia, in the National Center for HIV/AIDS, viral Hepatitis, STD, and TB Prevention in the Office of the Director. Recently, she completed her doctoral degree in Epidemiology from the University of Maryland, College Park. Her doctoral training integrated techniques in social network analysis, epidemiologic methods, and the social determinants

of health. Dr. Guida became a Summer Research Fellow (2015 and 2016) and special volunteer in the Genetic Epidemiology Branch in the Division of Cancer Epidemiology and Genetics at the NCI exploring the effects of mammographic density on molecular subtypes among Chinese women with breast cancer. Her dissertation work combined her interest in cancer survivorship and social network methods and investigated social network change over time and their effects on mental, physical, and immunologic well-being for cancer survivors.

Kevin Howcroft, Ph.D.

Dr. Kevin Howcroft is chief of the Cancer Immunology, Hematology, and Etiology Branch of the National Cancer Institute's Division of Cancer Biology.

Arti Hurria, M.D. *Scientific Steering Committee Chair, Think Tank Co-Chair*

Dr. Arti Hurria is a geriatrician and oncologist and is Vice Provost of Clinical Faculty and Director of the Center for Cancer and Aging at City of Hope. The overall goal of Dr. Hurria's research program is to improve the care of older adults with cancer. Under Dr. Hurria's leadership, the Center for Cancer and Aging has developed and executed over 26 geriatric oncology protocols, enrolling over 3,400 participants on studies focused on cancer and aging. Dr. Hurria is principal investigator on four NIH-funded grants and has received research support from the Breast Cancer Research Foundation, UniHealth Foundation, and Hearst Foundation. Dr. Hurria leads national and international efforts to improve the care of older adults with cancer. She served on the Institute of Medicine, Committee on Improving the Quality of Cancer Care: Addressing the Challenges in an Aging Population. Dr. Hurria serves as the Editor-in-Chief Emeritus for the Journal of Geriatric Oncology (Editor-in-Chief, 2010-2017). She was the recipient of the B.J. Kennedy Award from the American Society of Clinical Oncology, which recognizes scientific excellence in geriatric oncology. Dr. Hurria was elected to the Board of Directors for the American Society of Clinical Oncology in 2016. In 2017, Dr. Hurria was the recipient of an endowed chair in geriatric oncology (The George Tsai Geriatric Oncology Chair) and the recipient of the International Society of Geriatric Oncology Paul Calabresi Award.

Chamelli Jhappan, Ph.D.

Dr. Chamelli Jhappan is a program director in the Cancer Immunology, Hematology, and Etiology Branch of the National Cancer Institute's Division of Cancer Biology.

Ronald Kohanski, Ph.D.

Dr. Ronald Kohanski, Ph.D., is the Deputy Director of the Division of Aging Biology at the National Institute on Aging (NIA), National Institutes of Health (NIH). Trained as a biochemist, he obtained a Ph.D. in Biochemistry from the University of Chicago in 1981. After a postdoctoral fellowship with M. Daniel Lane at the Johns Hopkins University School of Medicine, he held a faculty position at the Mount Sinai School of Medicine for 17 years before returning as a faculty member at Johns Hopkins. His fields of research included enzymology and developmental biology of the insulin receptor. Dr. Kohanski joined the Division of Aging Biology, NIA, in 2005 as a Program Officer, and became Division Deputy

Director in 2007. Dr. Kohanski has promoted aging research in the specific areas of stem cell biology and cardiovascular biology. More broadly, he promotes research efforts to expand studies beyond laboratory animals, to address the basic biology of aging explicitly in human populations and non-laboratory animals (domestic and wild populations).

Dr. Kohanski is also a co-founder and co-leader of the trans-NIH Geroscience Interest Group (GSIG). The group spans the entire NIH and is built on the fact that aging is the major risk factor for most chronic age-related diseases. In keeping with this program, Dr. Kohanski has encouraged researchers to consider age as an essential parameter of research using animal models of chronic diseases. More broadly, he promotes research into the basic biology of aging that could explain why aging is itself the major risk factor for chronic diseases.

Kirsten K. Ness, P.T., Ph.D., F.A.P.T.A.

Dr. Kirsten K. Ness is a physical therapist and clinical epidemiologist and Member of the faculty at St. Jude Children's Research Hospital. She has a B.A. in Physical Therapy, an M.A. in Leadership, and an M.P.H. and Ph.D. in Epidemiology. She is a Catherine Worthingham Fellow of the American Physical Therapy Association and has been in Physical Therapy practice for over 30 years. Her research focuses on the observation and remediation of functional loss among persons who were treated for cancer during childhood. She has funding from the American Cancer Society, the Gabrielle's Angel Foundation, the National Cancer Institute, and the National Institute of Child Health and Human Development. She has over 200 peer reviewed publications and serves on the Steering Committees for the Childhood Cancer Survivor Study and the Children's Oncology Group Survivorship and Outcomes Committee. She is an active member of the Oncology Section of the American Physical Therapy Association, and on the Editorial Boards of Pediatric Physical Therapy, Pediatric Blood and Cancer, Physical Therapy, Rehabilitation Oncology, and the Journal of Clinical Oncology.

Ann O'Mara, Ph.D., R.N.

Dr. Ann O'Mara is Head of Palliative Research in the National Cancer Institute (NCI) Division of Cancer Prevention. She manages a portfolio of symptom management and palliative and end-of-life care research projects. The majority of these projects focus on the more common morbidities associated with cancer and its treatment, e.g., pain, chemotherapy-induced neuropathy, fatigue, sleep disturbances, and psychosocial issues, such as distress, anxiety and depression. She is a member of several trans-NIH working groups and consortia, e.g., trans-NIH Pain Consortium, established to enhance research and promote collaboration across NIH Institutes and Centers with programs and activities addressing morbidities. Dr. O'Mara has conducted research on end-of-life care, and on educating nurses and physicians about palliative care. Her publications focus on quality-of-life issues facing cancer patients and families across the disease trajectory. Prior to NCI, she was Director of the Advanced Practice Oncology Track, University of Maryland School of Nursing. She is a member of the Oncology Nursing Society, American Society of Clinical Oncology, American Nurses Association, American Pain Society, and International Society for Quality of Life Research; a Fellow in the American Academy of Nursing; and a former editorial board member of the Journal of Clinical Oncology. She has received numerous NIH merit awards for efforts promoting symptom management and quality-of-life research. She received the

Distinguished Alumni Award from the University at Buffalo, the State University of New York, where she received a B.S. in Nursing. She earned an M.S. in Nursing from the Catholic University of America, a Master of Public Health from the Uniformed Services University of the Health Sciences, and a Ph.D. from the University of Maryland, College Park.

Jennifer Schrack, Ph.D., M.S. *Think Tank Co-Chair*

Dr. Jennifer Schrack, Ph.D., M.S., is an Assistant Professor of Epidemiology with a primary research focus on the role of physiological factors in maintaining mobility and functional independence with aging. She holds a Master's in Exercise Physiology from the University of Michigan and a Ph.D. in Epidemiology from the Johns Hopkins Bloomberg School of Public Health. She has extensive clinical and research experience as an exercise physiologist, with an emphasis on the assessment of laboratory measures of energy expenditure and free-living physical activity using accelerometers. This work has grown to include multiple types of activity and heart rate monitors across numerous studies, including the Baltimore Longitudinal Study of Aging (BLSA), the Study of Physical Resiliency iN Geriatrics (SPRING), the Study to Understand vitamin D and falls in You (STURDY), the Aging, Cognition, and Hearing Evaluation in Elders (ACHIEVE) Randomized Trial, and the Multicenter AIDS Cohort Study (MACS). Her recent research has expanded to include assessment of physiological mechanisms contributing to the development of an accelerated aging phenotype. She recently completed a K01 award from the National Institute on Aging (NIA) focused on investigating differences in functional decline, energy expenditure, and physical activity by HIV-serostatus in the MACS. She is currently the PI of a R21 from the NIA to investigate mechanisms of fatigability in participants of the BLSA, overall and by cancer history, and of a U01 from the NIA to delineate associations among energy regulation, physical activity, and Alzheimer's disease in the BLSA.

Felipe Sierra, Ph.D.

Dr. Felipe Sierra, Ph.D., is the Director of the Division of Aging Biology at the National Institute on Aging (NIA), National Institutes of Health (NIH). Trained as a biochemist in his native Chile, he obtained a Ph.D. in Biochemistry and Molecular Biology from the University of Florida in 1983. After a postdoc at the University of Geneva, he worked in industry (at Nestlé, still in Switzerland) for the next five years. At this stage he developed his interest in the biology of aging, an interest that brought him back to Academia (and to the United States), as an Assistant Professor at the Medical College of Pennsylvania, and later as an Associate Professor at the Lankenau Institute for Medical Research in Pennsylvania. This last position was shared with a primary appointment at the University of Chile in Santiago. Four years after initiating this arrangement, Dr. Sierra relocated again to the U.S., this time as a Program Director within the Division of Aging Biology, NIA. He became the Director of this unit in April 2006.

Dr. Sierra is also the founder and coordinator of the trans-NIH Geroscience Interest Group (GSIG). The group spans the entire NIH and is built on the fact that aging is the major risk factor for most chronic age-related diseases – Alzheimer's, cardiovascular disease, cancer, and more – and thus understanding the basic biology of aging is central to our ability to address these diseases. In 2013 and 2014 he received NIH Director's Awards for this effort.

Russell Tracy, Ph.D.

Dr. Russell Tracy is a Professor in the Department of Pathology & Laboratory Medicine in the University of Vermont's Larner College of Medicine. His approach to research reflects his training in biochemistry and clinical chemistry, and his long interest in population-based science. Areas of research include the interrelationships of coagulation, fibrinolysis and inflammation, especially the innate and adaptive immune systems, in the etiology of atherosclerosis and coronary heart disease, insulin resistance and diabetes, HIV-related morbidity and mortality, and other complex diseases, as well as more broadly in the process of aging. The main tools of his laboratory are those of molecular and genetic epidemiology, in the context of multi-center studies and clinical research. More basic biochemical approaches are used in the development of new assays for epidemiological application. Dr. Tracy has a longstanding interest in disease risk modeling and risk assessment as well as in developing new biomarkers for clinical and epidemiological research.

Invited Speakers

Daniel W. Belsky, Ph.D.

Dr. Daniel W. Belsky is Assistant Professor in the Department of Population Health Sciences at the Duke University School of Medicine and Social Science Research Institute. Dr. Belsky is a Senior Fellow at the Duke Center for Aging and a Research Scholar at the Duke Population Research Institute. This Winter he will join the faculty in the Department of Epidemiology at Columbia University's Mailman School of Public Health. Dr. Belsky works at the intersection of genetics, the social and behavioral sciences, and public health. His work brings together discoveries from the cutting edge of genome science and longitudinal data from population-based cohorts to identify mechanisms that cause accelerated health decline in older age. Dr. Belsky takes a life-span approach that encompasses research on cohorts of children, young and middle-aged adults, and older adults. His goal is to understand why socioeconomically disadvantaged populations suffer increased morbidity in older age and earlier mortality, and to devise strategies for intervention to mitigate these health inequalities. After finishing his Ph.D. at the UNC Gillings School of Public Health in 2012, Dr. Belsky came to Duke for a postdoc at the Center for The Study of Aging and Human Development. He received his Ph.D. at the University of North Carolina at Chapel Hill in 2012.

Harvey Jay Cohen, M.D.

Dr. Harvey Jay Cohen, M.D., is Walter Kempner Professor, Director, Center for the Study of Aging and Human Development, Chair Emeritus, Department of Medicine at Duke University Medical Center. Dr. Cohen is the immediate past co-chairs (for 25 years) of the Cancer in the Elderly Committee for The Alliance for Clinical Trials in Oncology. He is immediate past President of the American Federation for Aging Research and a past President of the American Geriatrics Society, the Gerontological Society of America and the International Society of Geriatric Oncology and is PI of the Partnership for Anemia: Clinical and Translational Trials in the Elderly (PACTTE). He received his M.D. from SUNY Downstate Medical College, residency in medicine and fellowship in Hematology-Oncology at Duke University Medical Center. He has published extensively with more than 400 articles and book chapters, with special emphasis on geriatric assessment, biologic basis of functional decline, and cancer and hematologic problems in the elderly. He is co-editor of Geriatric

Medicine, 4th Edition; Practical Geriatric Oncology; and author of the book Taking Care After 50. He has received the BJ Kennedy award from the American Society for Clinical Oncology, and the Paul Calabresi Award from the International Society of Geriatric Oncology, the Kent Award from the Gerontological Society of America, the Joseph T. Freeman Award, and the Jahnigen Memorial Award from the American Geriatrics Society.

James DeGregori, Ph.D.

Dr. James DeGregori is a Professor in the Department of Biochemistry and Molecular Genetics and the Deputy Director of the University of Colorado Cancer Center. He holds the Courtenay C. and Lucy Patten Davis Endowed Chair in Lung Cancer Research. He received a B.A. in Microbiology from the University of Texas at Austin in 1987, a Ph.D. in Biology from the Massachusetts Institute of Technology in Cambridge in 1993, and postdoctoral training at Duke University Medical Center from 1993-1997.

His lab seeks to understand how carcinogenic conditions promote cancer evolution and to discover pathway dependencies in cancers that can be exploited therapeutically. For the former, his lab studies the evolution of cancer, in the context of their Adaptive Oncogenesis model, with a focus on how aging and other insults influence cancer initiation. His lab has developed this cancer model based on classic evolutionary principles, and substantiated this model by theoretical, experimental and computational studies. Other studies in the lab are geared toward the development of novel therapeutic strategies to treat leukemias and non-small cell lung cancers. These studies have identified signaling, metabolic and mitochondrial vulnerabilities of cancer cells engendered by tyrosine kinase inhibition. These studies led to several Phase I clinical trials.

His lab's overarching goal is to develop a better understanding of cancer, from its causes to its dependencies, that can facilitate the development of better prevention and treatment strategies.

Luigi Ferrucci, M.D., Ph.D.

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 two-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 the U.S. National Institute on Aging (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.

Leonid A. Gavrilov, Ph.D.

Dr. Leonid A. Gavrilov, Ph.D., is an expert in biodemographic studies of human aging, mortality and longevity. Dr. Gavrilov has over 30 years of professional experience in this area of research and published more than 100 scientific papers on related topics in collaboration with Dr. Natalia S. Gavrilova. They are the authors of the scientific monograph The Biology of Lifespan: A Quantitative Approach, which received positive reviews in a dozen of academic journals including Nature, British Medical Journal and Population Studies. It was selected as recommended reading on the "lifespan" topic by the Encyclopedia Britannica. Dr. Gavrilov is a Principal Investigator of several award-winning research projects, funded by the National Institute on Aging (NIA), Society of Actuaries, European Union and the U.S. Civilian Research and Development Foundation (CRDF). He recently completed a large NIA-funded research project, "Biodemography of Exceptional Longevity in the United States." Dr. Gavrilov is an Editorial Board Member of the scientific peer-reviewed journals Gerontology, Rejuvenation Research, Journal of Demographic Economics, Advances in Aging Research, and Theoretical Biology and Medical Modeling. Dr. Gavrilov is currently working at the Center on Aging, NORC at the University of Chicago. He is a Fellow of the Gerontological Society of America and a member of Population Association of America. He was an invited speaker on aging and longevity topics at international scientific meetings in Australia, Belgium, Canada, Czech Republic, England, France, Germany, Greece, Italy, Japan, Kyrgyzstan, Malaysia, Netherlands, Russia, Spain, Switzerland, and the United States.

Natalia S. Gavrilova, Ph.D.

Dr. Natalia S. Gavrilova, Ph.D., is an expert in biodemographic methods, population aging, biomarkers of health and sexuality at older ages. She received her Ph.D. in anthropology and population science at the Moscow State University in Russia and then her master's degree in computer science at the University of Chicago. Her research projects were funded by international funding agencies, including the International Science Foundation, the European Union, and the National Institute on Aging (USA). She worked on NIH-funded projects including "Biodemography of Exceptional Longevity in the United States" and "Innovative Network Core on Biomarkers in Population-Based Aging Research (CCBAR)." Currently she is a principal investigator on the NIA-funded project "Biodemography of old-age mortality." Dr. Gavrilova is an invited author in a number of publication projects, including the Macmillan Encyclopedia of Aging, the Encyclopedia of the Life Course and Human Development, International Handbook of Population Aging, Handbook of the Biology of Aging and others. She is an Editorial Board Member of the scientific journal Demografie and a grant reviewer for the National Institute on Aging and the Maurice Falk Institute for Economic Research in Israel. Dr. Gavrilova is a Fellow of the Gerontological Society of America and a member of Population Association of America. She is currently working at the University of Chicago and the Center on Aging, NORC at the University of Chicago.

Kevin Krull, Ph.D.

Dr. Kevin Krull is a Full Member of the faculty at St. Jude Children's Research Hospital and a Board-Certified Clinical Neuropsychologist with a background in clinical neuropsychology, biological psychology, and cognitive neuroscience. He has developed a research program at St. Jude that focuses on identifying factors associated with individual variability in long-term central nervous system outcomes in survivors of childhood cancer. His research includes lifespan approaches, following children through active therapy and well into adulthood. He employs treatment exposures and biomarkers to predict neurocognitive, brain imaging, and patient-reported outcomes. He has over 150 peer-reviewed publications and is currently the PI on three NIH grants.

Jeanne Mandelblatt, M.D., M.P.H.

Dr. Jeanne Mandelblatt is a tenured Professor of Medicine and Oncology at Georgetown University. With her cross-disciplinary training in geriatrics, health services research, and cancer epidemiology, Dr. Mandelblatt is a nationally recognized population scientist with more than two decades of continuously, multi-RO1 funded NIH collaborative research focused on cancer, policy, and aging. Dr. Mandelblatt has published more than 235 articles to date with her colleagues, with close to 17,000 citations of this work (H-index of 69). In recognition of her leadership and collaborative scientific accomplishments, Dr. Mandelblatt was awarded a seven-year NCI Outstanding Investigator Grant in 2015 (R35) to study cancer care in older individuals.

In her present aging research, she is studying the effects of breast cancer and its treatments on aging trajectories and domains of function and ability to perform daily tasks. She is also using population-based research findings to drive basic discovery about cancer and aging in animal models, and to use mechanistic insights from the basic science laboratory to inform the next generation of clinically relevant population research studies.

Deborah K. Mayer, Ph.D., R.N., A.O.C.N., F.A.A.N.

Dr. Deborah K. Mayer, Ph.D., R.N., A.O.C.N., F.A.A.N., currently serves in NCI's Office of Cancer Survivorship. Dr. Mayer is an advanced practice oncology nurse who has over 40 years of cancer nursing practice, education, research, and management experience. She earned a Ph.D. from the University of Utah, her M.S.N. from Yale University, her B.S.N. from Excelsior College, her Nurse Practitioner Certificate from the University of Maryland, and her diploma from Pennsylvania Hospital School of Nursing.

Dr. Mayer is past president of the Oncology Nursing Society (ONS), was a member of the National Cancer Institute's National Cancer Advisory Board (a Presidential appointment) and Board of Scientific Advisors. Dr. Mayer was elected as a fellow of the American Academy of Nursing. She is active in ONS and the American Society of Clinical Oncology (ASCO) and is the Immediate Past Chair of the ASCO Survivorship Committee. Most recently she served as Chair of the ASCO Survivorship Committee. She served as the Editor for the ONS' Clinical Journal of Oncology Nursing (CJON) from 2007-2015 and has published over 150 articles, book chapters and editorials on cancer-related issues. She was awarded the ONS Lifetime Achievement Award in 2015 and, in 2016, was appointed as the only nurse to Vice President Joe Biden's Cancer Moonshot Blue Ribbon Panel. In 2018, she began consulting with the

National Cancer Institute's Division of Cancer Control and Population Sciences on issues related to cancer survivorship.

Dr. Mayer is the Frances Hill Fox Distinguished Professor at the School of Nursing at UNC and the UNC Lineberger Director of Cancer Survivorship. She is the oncology coordinator for the oncology focus of the nurse practitioner program. Her program of research focuses on the issues facing cancer survivors and improving cancer care. She has a clinical practice working with breast cancer survivors. As a nurse who works "frontline" with cancer survivors and as a cancer survivor herself, she brings a unique perspective to her clinical, research and health policy collaborations with cancer survivors, primary care providers, cancer specialists and researchers.

Nathan Price, Ph.D.

Dr. Nathan Price is Professor & Associate Director of the Institute for Systems Biology in Seattle, where he co-directs with Lee Hood the Hood-Price Integrated Lab for Systems Biomedicine. He is also affiliate faculty at the University of Washington in the Departments of Bioengineering, Computer Science & Engineering, and Molecular & Cellular Biology. He is Co-Founder and on the Board of Directors of Arivale, a scientific wellness company that was named as Geekwire's 2016 startup of the year. He was the recipient of early career awards from the National Institutes of Health, the National Science Foundation, American Cancer Society, the Roy J. Carver Charitable Trust, and Genome Technology. He was also named as a Camille Dreyfus Teacher-Scholar, and received the 2016 Grace A. Goldsmith Award for his work in pioneering "scientific wellness." He serves on numerous advisory boards including for Roche (Personalized Medicine division), Providence St. Joseph Health, Habit, Trelys, Novo Nordisk Foundation Center for Biosustainability, Science Translational Medicine and Cell Systems.

Stephanie Studenski, M.D., M.P.H.

Dr. Stephanie Studenski is a geriatrician and rheumatologist whose practice, teaching and research focus on physical function, mobility, balance disorders and falls in later life. Originally trained as a nurse as well as physician, she also has a Master's Degree in Public Health. Through her research, she strives to understand age-related problems in physical function. Her recent work focuses on the role of the central nervous system and body composition in mobility and physical function. She is recently retired from her position as Chief of the Longitudinal Studies Section of the Intramural Research Program of the National Institute on Aging and Director of the Baltimore Longitudinal Study of Aging. She is currently Professor Emeritus at the University of Pittsburgh.

Erwin J. Tan, M.D.

Dr. Erwin J. Tan, M.D., is the Director of Thought Leadership, Health, at AARP and a board-certified internist and geriatrician. Dr. Tan previously served as the director of Senior Corps at the Corporation for National and Community Service. From 2004 to 2010, he served as an Assistant Professor of Medicine at the Johns Hopkins School of Medicine, where he was an attending physician in the Division of Geriatric Medicine. He was also a co-investigator in the Baltimore Experience Corps Study. From 2003-2004, Dr. Tan was a White House Fellow

serving as a Special Assistant to the Secretary of Veterans Affairs. Before coming to the Washington, D.C., Metropolitan area, he was a faculty member at the University of California, San Francisco School of Medicine, where he served as Geriatric Medicine Fellow and a Primary Care Medicine Resident. He was commissioned as a 2nd Lieutenant in the United States Army Reserves. Dr. Tan received a bachelor's from Brown University and graduated from New York University School of Medicine as a member of the Alpha Omega Alpha honor society. He was born in Indonesia and is a naturalized citizen of the United States.

Olga Theou, Ph.D.

Dr. Olga Theou is an Assistant Professor of Medicine at Dalhousie University. She is also an Affiliated Scientist of Geriatric Medicine with the Nova Scotia Health Authority and an Adjunct Senior Lecturer of Medicine with the University of Adelaide in Australia. She obtained her Bachelor of Science in Physical Education and Sports Sciences at Aristotle University in Greece, Master's of Science in Gerokinesiology from the California State University in Fullerton, and Ph.D. in Health and Rehabilitation Sciences with specialization in Health and Aging from Western University. In 2013, she was awarded a Banting Fellowship, which recognizes exceptional individuals deemed likely to contribute positively to Canada's economic, social and research based growth. Her research interests include aging, frailty and physical activity, and she has been ranked fourth in Canada and 11th worldwide in frailty expertise by Expertscape.