

# Cancer and Aging Symposium

## UNDERSTANDING THE INTERPLAY OF CANCER AND AGING: BIOLOGY AND FUNCTION

February 22–24, 9 am–Noon PST

### Monday, February 22

9–9:05 am PST Welcome: **Garnet L. Anderson, PhD, Fred Hutch**

#### KEYNOTE ADDRESS

9:05–9:10 am Introduction: **Thomas J. Lynch Jr., MD, President & Director, Fred Hutch**

9:10–10:00 am *The dynamic interplay between aging and cancer*, **Norman E. Sharpless, MD, Director, National Cancer Institute**

10:00–10:15 am Q&A

#### FRAMEWORK

10:15–10:50 am *Using the Women's Health Initiative to advance cancer and aging research: A legacy of Arti Hurria*, **Garnet L. Anderson, PhD, Fred Hutch**

10:50–11:00 am Break

11:00–11:35 am *Improving care delivery and outcomes for older patients with cancer and their caregivers*, **Supriya Mohile, MD, MS, University of Rochester Medical Center**

11:35–11:40 am Q&A

11:40–11:45 am Wrap up

### Tuesday, February 23

9:00–9:05 am Welcome: **Nancy E. Davidson, MD, Fred Hutch**

#### BIOLOGICAL ASPECTS OF AGING

9:05–9:45 am *Deciphering and targeting clonal hematopoiesis*, **Ross Levine, MD, Memorial Sloan Kettering Cancer Center**

9:45–9:55 am Q&A

9:55–10:25 am *Getting old stinks, how age-related changes in the tumor microenvironment contribute to tumor progression*, **Sheila A. Stewart, PhD, Washington University School of Medicine in St. Louis**

10:25–10:30 am Q&A

10:30–10:40 am Break

10:40–11:00 am *Mitochondrial DNA mutagenesis: insights into human aging, carcinogenesis, and novel anticancer therapies*, **Jason Bielas, PhD, Fred Hutch**



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11:00–11:20 am *Mitochondrial DNA quantity and quality: Biometrics of aging, Jonathan Wanagat, MD, PhD, UCLA*

11:20–11:30 am Q&A

### RESILIENCE

11:30–11:50 am *Functional status and resiliency among older adults with lung cancer, Carolyn J. Presley, MD, The Ohio State University*

11:50–11:55 am Q&A

11:55–noon Wrap up

### Wednesday, February 24

9:00–9:05 am Welcome: **Bette Caan, DrPH, Kaiser Permanente Division of Research**

### IMMUNOLOGY

9:05–9:35 am *Age-related changes in immune homeostasis and function – Facts and fiction, Janko Nicolich-Žugich, MD, PhD, The University of Arizona*

9:35–9:40 am Q&A

### NUTRITION

9:40–10:10 am *Developing precision nutrition for cancer, Marcos DaSilva Goncalves, MD, PhD, Weill Cornell Medicine*

10:10–10:25 am *Fasting-mimicking diet and hormone therapy induce breast cancer regression, Irene Caffa, PhD, IRCCS Ospedale Policlinico San Martino, Genoa, Italy*

10:25–10:40 am *Diet-induced obesity causes metabolic reprogramming and suppresses immunity in the tumor microenvironment, Alison Ringel, PhD, Harvard Medical School*

10:40–10:55 am Q&A

### PHYSICAL FUNCTION/FRAILITY

10:55–11:25 am *Intersections of aging and frailty with life after cancer, Andrea LaCroix, PhD, UC San Diego*

11:25–11:45 pm *Sarcopenia in the older adult with cancer, Grant Williams, MD, The University of Alabama at Birmingham*

11:45–11:55 am Q&A

11:55–noon Wrap up



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