

# AGENDA

## SYMPOSIUM ON SKELETAL MUSCLE IN AGING, HEALTHSPAN AND DISEASE

APRIL 10, 2025 - Levin Center: Conference Room 1214

7:30-8:00	Continental Breakfast at IHMC
8:00-8:15	Opening Remarks
8:15-9:45	<p><b><i>Session 1. Framing the Discussion</i></b></p> <p><b>Hospital-Associated Disability</b> Cynthia Brown, PT, MSPH, MD, Professor and Chair Department of Medicine, Louisiana State University Health Sciences Center Charles V. Sanders, MD Endowed Chair in Medicine</p> <p><b>End of Life and Muscle Health: Proxies and Prognosis</b> Dan Sontheimer, MD, Chief Medical Officer, Baptist Healthcare</p> <p><b>NIA Research Priorities in Aging Skeletal Muscle &amp; Healthspan (virtual)</b> Amanda Boyce, PhD, Chief of the Aging Physiology Branch, Division of Aging Biology Monica Serra, PhD, Program Officer, Division of Geriatrics and Clinical Gerontology NIH National Institute on Aging</p>
9:45-10:00	Break
10:00-11:30	<p><b><i>Session 2. Aging Hallmarks – Linkage to Skeletal Muscle and Healthspan, Part I</i></b></p> <p><b>Age-Regulated Mechanisms Affecting Skeletal Muscle Mass and Function (virtual)</b> David Glass, MD, Vice President for Research Aging/Age-Related Disorders, Regeneron Pharmaceuticals Member, US National Academy of Sciences</p> <p><b>Changing Focus from Protein Mass to Proteostasis for Healthy Muscle Aging</b> Benjamin Miller, PhD, Professor and Program Chair Aging &amp; Metabolism Research Program, Oklahoma Medical Research Foundation G.T. Blankenship Chair in Aging Research Research Career Scientist, OKC Veterans Affairs Medical Center</p> <p><b>The Aging Circadian Clock in Muscle: A New Target for Therapeutics?</b> Karyn Esser, PhD, Professor and Chair Department of Physiology and Aging, University of Florida Co-Director, UF Claude D. Pepper Older Americans Independence Center</p>
11:30-12:15	Lunch (Box Lunch)

***Session 3. Aging Hallmarks – Linkage to Skeletal Muscle and Healthspan, Part II***

**Cellular Senescence and Skeletal Muscle Aging**

Nathan K. LeBrasseur, PT, PhD, Professor

Department of Physical Medicine & Rehabilitation, Mayo Clinic

Director, Robert & Arlene Kogod Center on Aging

Co-Director, Paul F. Glenn Center for Biology of Aging Research

12:15-13:45

**MuRF1, E3 Ubiquitin Ligases and the Regulation of Skeletal Muscle Mass**

Sue Bodine, PhD, Professor

Aging and Metabolism Research Program, Oklahoma Medical Research Foundation

Research Biologist, OKC Veterans Affairs Medical Center

**Mitochondrial Involvement in Aging Skeletal Muscle**

Russell Hepple, PhD, Professor

Physical Therapy and Muscle Biology, University of Florida

13:45-14:00

Break

***Session 4. Hevolution/AFAR New Investigator Awards in Aging Biology and Geroscience Research***

**Epigenetic Mechanisms of Skeletal Muscle Aging (virtual)**

Payel Sen, PhD, Stadtman Tenure-track Investigator NIH National Institute on Aging

14:00-14:45

**Tryptophan Metabolism: A Key Modulator of Functional Decline, Frailty and Aging**

Reyhan Westbrook, PhD, Assistant Professor

Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine

14:45-15:00

Break

***Session 5. Countermeasures***

**XPRIZE Healthspan Innovations Landscape: Global Strategies to Improve Muscle, Cognitive, and Immune Function in Aging**

Jamie Justice, PhD, Executive Director

XPRIZE Healthspan

**Resistance Training in Older Adults: a Function Promoting Therapy with Robust Treatment Response Heterogeneity**

15:00-16:30

Roger Fielding, PhD, Professor

Nutrition and Medicine, Tufts University

Senior Scientist, Jean Mayer USDA Human Nutrition Research Center on Aging

Associate Director, Boston Claude D. Pepper Older Americans Independence Center

**Elite Human Performance Across the Lifespan**

Scott Trappe, PhD, Professor and Director

Human Performance Laboratory, Ball State University

John and Janice Fisher Endowed Chair of Human Bioenergetics

16:30-17:00

Wrap-up