

# 2021 Oklahoma GeroScience Symposium

## The Impact of Nutritional and Pharmacological Interventions on Healthspan and Age-Related Diseases

### Session 1. Thursday, April 8, 2021

- 12:00pm **Arlan Richardson, Ph.D.**, Director of the Oklahoma Nathan Shock Aging Center: *Introduction/Welcome*
- 12:05-12:45pm **Keynote Speaker: S. Jay Olshansky, Ph.D.**, Professor, School of Public Health, University of Illinois at Chicago. *The Longevity Dividend: the economical and sociological impact of slowing aging.*  
**Chair: Tommy Lewis, PhD**
- 12:45-1:15pm **Rafael deCabo, Ph.D.**, Senior Investigator, Translational Gerontology Branch of the National Institute on Aging: *Caloric restriction and time-restricted fasting on aging and healthspan.*
- 1:15-1:45pm **Rozalyn Anderson, Ph.D.**, Associate Professor of Medicine, University of Wisconsin: *Effect of caloric restriction on non-human primates.*
- 1:45-2:00pm **BREAK**  
**Chair: Deepa Sathyaseelan, PhD**
- 2:00-2:30pm **Archana Unnikrishnan, Ph.D.**, Assistant Professor of Biochemistry & Molecular Biology, University of Oklahoma Health Sciences Center: *How universal is the effect of caloric restriction on lifespan: the effect of dietary restriction on four RI-lines of mice.*
- 2:30-3:00pm **Richard Miller, M.D./Ph.D.**, Professor of Pathology and Director of the University of Michigan Glenn Center for Aging Research, University of Michigan: *Effects of acarbose on longevity and healthspan.*
- 3:00-3:30 Round Table Discussion Lead by Ben Miller, PhD & Sree Logan, PhD**

### Session 2. Friday, April 9, 2021

- Chair: Bumsoo Ahn, PhD**
- 12:00-12:30pm **Shin-ichiro Imai, M.D./Ph.D.**, Professor of Developmental Biology, Washington University School of Medicine: *Achieving Productive Aging: the mechanism of aging/longevity control in mammals and anti-aging intervention.*
- 12:30-1:00pm **Peter Rabinovitch, M.D./Ph.D.**, Professor of Pathology and Director of the Nathan Shock Center for Excellence in the Basic Biology of Aging, University of Washington: *Effects of SS-peptide and nicotinamide mononucleotide on heart function.*
- 1:00-1:30pm **Mike Stout, Ph.D.**, Assistant Professor of Nutritional Sciences, University of Oklahoma Health Sciences Center: *The role of the estrogen receptor- $\alpha$  in male disease burden and responsiveness to 17 $\alpha$ -estradiol.*
- 1:30-1:45pm **BREAK**  
**Chair: Ann Chiao, PhD**
- 1:45-2:15pm **Laura Niedernhofer, Ph.D.**, Professor of Biochemistry, Molecular Biology & Biophysics and Director of the Institute of Biology of Aging and Metabolism, University of Minnesota: *The use of senolytics as a therapy to improve healthspan.*
- 2:15-2:45pm **Veronica Galvan, Ph.D.**, Associate Professor of Physiology, University of Texas Health Science Center at San Antonio: *Effect of rapamycin on the aging brain and neurodegeneration.*
- 2:45-3:15pm Round Table Discussion Lead by Bill Freeman, PhD & Heather Rice, PhD**