

2020 Oklahoma GeroScience Symposium

The Role of Proteostasis in Aging and Age-Related Diseases

Nicholson Conference Center, 940 NE 13th St., Suite 5900

May 6, 2020
8:30 am to 5:00 pm

Session 1.

- 8:30am **Arlan Richardson, Ph.D.**, Director of the Oklahoma Nathan Shock Aging Center: *Introduction/Welcome*
- 8:45-9:15am **Richard Morimoto, Ph.D.**, Professor of Molecular Biosciences, Northwestern University: *The Biology of Proteostasis in Aging and Disease.*
- 9:15-9:45am **Benjamin Miller, Ph.D.**, Member, Aging & Metabolism Program, Oklahoma Medical Research Foundation: *Protein Synthesis and Breakdown as Energetically Sensitive Modulators of Proteostasis.*
- 9:45-10:15am **Rong Li, Ph.D.**, Professor of Cell Biology, Johns Hopkins University: *The Role of Mitochondrial-Mediated Proteostasis in the Dissolution of Misfolded Cytosolic Proteins.*

10:15-10:45 Coffee Break

Session 2.

- 10:45-11:15am **David Walker, Ph.D.**, Professor of Integrative Biology and Physiology, University of California at Los Angeles: *Interventions that Induce Mitophagy Improve Proteostasis and Prolong Healthspan.*
- 11:15-11:45am **Ursula Jakob, Ph.D.**, Professor of Molecular, Cellular, and Developmental Biology, University of Michigan: *Developmental ROS Individualizes Organismal Stress Resistance and Lifespan.*

11:45-2:15pm Lunch and Poster Session

- 2:15 – 3:15pm **Keynote Speaker: Peter Walter, Ph.D.**, Professor and Howard Hughes Investigator, Department of Biochemistry and Biophysics, University of California San Francisco. *The Role of the Unfolded Protein Response in Maintaining Cellular Homeostasis in Age-Related Diseases.*

3:15-3:30pm Break

Session 3.

- 3:30-4:00pm **Ana Maria Cuervo, Ph.D.**, Professor of Developmental and Molecular Biology, Albert Einstein College of Medicine: *Selective Autophagy as a Potential Target for Age-related Disorders.*
- 4:00-4:30pm **Jian Li, Ph.D.**, Assistant Member, Oklahoma Medical Research Foundation: *Germline-Specific Roles of HSF1 and its Regulation in Reproductive Longevity.*
- 4:30-5:00pm **Peter Arvan, M.D., Ph.D.**, Professor of Internal Medicine, University of Michigan: *The Unfolding Story of Proinsulin.*

5:00pm Poster Awards presented