

2022 Oklahoma Geroscience Symposium

The Role of Proteostasis in Aging and Age-Related Diseases

Nicholson Conference Center, 1000 NE 13th St., Suite 5700

April 22, 2022

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 **Andrew Dillin, Ph.D.**, Professor of Molecular and Cell Biology, University of California Berkeley: *Brain cells protect the muscle from protein aggregation.*
- 11:15-11:45am **Darcie Moore, Ph.D.**, Assistant Professor of Neuroscience, University of Wisconsin: *The role of protein clearance in neural stem cell quiescence exit.*

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

- 2:15 – 3:15pm **Keynote Speaker: Peter Walter, Ph.D.**, Professor Emeritus, Department of Biochemistry and Biophysics, University of California San Francisco and Institute Director, Altos Labs – Bay Area Institute of Science. *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 **Susmita Kaushik, Ph.D.**, Assistant 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: *Proteostasis by HSF1 and Insulin/IGF-1 Signaling in Gametogenesis and Maternal Aging.*
- 4:30-5:00pm **Peter Arvan, M.D., Ph.D.**, Professor of Internal Medicine, University of Michigan: *Let's See How this Story Unfolds.*

5:00pm Poster Awards presented