

# 2019 Oklahoma Geroscience Symposium

## The Role of Inflammation in Aging and Age-Associated Diseases

### Oklahoma City April 24, 2019

#### **Session 1. Inflammation and Aging**

**7:45-8:30** Light Breakfast

**8:30** **Arlan Richardson, Ph.D.**, Director of the Oklahoma Nathan Shock Aging Center, Introduction/Welcome

**8:45-9:15** **Vishwa Deep Dixit Ph.D.**, Professor of Comparative Medicine and of Immunobiology, Yale University: *“Non-Immunological Functions of Adipose Resident Immune System During Lifespan”*

**9:15-9:45** **Deepa Sathyaseelan, Ph.D.**, Assistant Professor of Geriatric Medicine, OUHSC: *“Does Necroptosis Play a Role in Inflammaging?”*

**9:45-10:15** **James Kirkland, M.D./Ph.D.**, Professor of Medicine and Director of the Kogod Center on Aging, Mayo Clinic: *“Cellular Senescence, Inflammation, and Senolytic Agents: The Path to Translation”*

**10:15-10:45** Coffee Break

#### **Session 2. Pathways Leading to Inflammation**

**10:45-11:15** **Dawn Bowdish, Ph.D.**, Associate Professor of Pathology and Molecular Medicine, McMaster University: *“The Microbiome is a Driver of Age-Associated Inflammation”*

**11:15-11:45** **Jacqueline Stephens, Ph.D.** Professor of Biological Sciences, Louisiana State University: *“Emerging Roles of the JAK-STAT Signaling Pathway in Adipocyte Function, Inflammation, and Insulin Sensitivity”*

**11:45-1:00** Lunch provided for participants

#### **Session 3. Inflammation and Age-associated Diseases**

**1:00-1:30** **Timothy M. Griffin, Ph.D.**, Associate Member, OMRF: *“Role of Metabolic Regulation of Inflammation in Osteoarthritis”*

**1:30-2:00** **Linda J. Van Eldik, Ph.D.**, Professor and Director, Sanders-Brown Center on Aging, University of Kentucky. *“Targeting Dysregulated Neuroinflammation in Alzheimer’s Disease”*

**2:00-2:30** **Jeremy Walston, M.D.**, Professor of Medicine and Director of the Older Americans Independence Center, Johns Hopkins University: *“Role of inflammation in frailty”*

**2:30-4:00** Poster session

**4:00-5:00** **Keynote Speaker: Luigi Ferrucci, M.D./Ph.D.**, Scientific Director of the Intramural Research Program at the National Institute on Aging: *“Blood Inflammatory Mediators and Aging: Causes and Consequences”*

**Hosted by the Oklahoma Nathan Shock Center & Oklahoma Medical Research Foundation**

**Location:** OMRF Wileman Auditorium, 825 NE 13<sup>th</sup> St. Oklahoma City

**Sponsored by:** University of Oklahoma Health Sciences Center VPR Office, OKC-VA Medical Center, Reynolds Oklahoma Center on Aging, Oklahoma Medical Research Foundation

**Registration is FREE - [gerosciencemeeting.omrf.org](http://gerosciencemeeting.omrf.org)**