

## **PRELIMINARY PROGRAM**

### **Lifespan and Healthspan Extension in Aging Research: When Is It Real and How Can We Be Certain?**

James Nelson, Ph.D. & Randy Strong, Ph.D. – Co-Chairs

The Mayan Ranch, Bandera, Texas

October 15-18, 2009

#### Thursday Evening, October 15

4:00 - 6:00 PM: REGISTRATION

6:00 PM: Dinner at the Pavilion

7:30 PM: KEYNOTE LECTURE

Evolution of the Human Lifespan and Its Future

Caleb Finch, Ph.D., University of Southern California

#### Friday October 16

7:00 – 8:00 AM: BREAKFAST

### **SESSION I: WHEN LIFESPAN STUDIES COLLIDE: Why Are Lifespan Studies Not Always Replicable?**

#### **Session Leader: Arlan Richardson, Ph.D.**

8:00 – 8:35 AM: Plus ça Change: Asymptotic Approaches to Reproducibility in the NIA Interventions Testing Program

Richard Miller, M.D., Ph.D. University of Michigan

8:35 – 9:10 AM: IGF1 Receptor Heterozygous Knockouts: Differences Here and Abroad

Martin Adamo, Ph.D., UTHSCSA

9:10 – 9:45 AM: Lifespan Extension by Catalase Overexpression: Here, Gone, and Back Again...

Peter Rabinovitch, M.D., Ph.D., University of Washington

9:45 – 10:00 AM: BREAK

## **SESSION II: HOW TO DESIGN & ANALYZE A ROBUST LIFESPAN/HEALTHSPAN STUDY**

**Session Leader: Richard Miller, Ph.D.**

10:00 – 10:35 AM: Design & Analysis of Aging Studies

David B. Allison, Ph.D., U. of Alabama at Birmingham

10:35 – 11:10 AM: Network of Genes & Relations to Aging in Mice: Integrated Use of Reference Population, Genome Sequencing, & mRNA Expression Data Sets

Robert Williams, Ph.D., U. of Tennessee

11:10 – 11:45 AM: A Battery of Healthspan Measures for Mice

Rong Yuan, Ph.D., The Jackson Aging Center

11:45 – 12:20AM: Cognitive Aging: Prospects for Bridging From Mouse to Man

Michela Gallagher, Ph.D., Johns Hopkins University

12:20 – 1:30 PM: LUNCH AT THE PAVILION

## **SESSION III: ENVIRONMENTAL, DEVELOPMENTAL & EPIGENETIC MODULATORS OF AGING**

**Session Leader: Olivia Pereira-Smith, Ph.D.**

1:30 – 2:05 PM: Fetal/Neonatal Environmental Influences on Aging

Peter Nathanielsz, M.D., Ph.D., UTHSCSA

2:05 – 2:40 PM: Fetal Positioning, Bisphenols & Aging

Fred vom Saal, Ph.D., U. Missouri-Columbia

2:40 – 3:15 PM: In My Beginning Is My End: Rodent Studies on Development Programming of Aging and Aging-related Disease

Elena Zambrano, Ph.D., Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico City, DF, Mexico

3:15 – 4:45 PM: FREE TIME (Horseback Riding Available)

4:45 – 6:45 PM: POSTER SESSION (At the Pavilion – Refreshments Provided)

7:00 PM: DINNER AT THE PAVILION

**Saturday October 17 (10 SPEAKERS MAX)**

**SESSION IV: DOES HEALTHSPAN EXTENSION = LIFESPAN EXTENSION & VICE VERSA?**

**Session Leader (Part 1): Sara Espinoza, M.D.**

8:30 – 9:05 AM: What Centenarians Tell Us  
Thomas Perls, M.D., Boston University School of Medicine

9:05 – 9:40 AM: Segregating Lifespan and Healthspan in *C. elegans*  
Monica Driscoll, Ph.D., Rutgers University

9:40 – 10:15 AM: Immunity and Life Span: Trade-off?  
Man-Wah Tan, Ph.D., Stanford University

10:15 – 10:35 AM: BREAK

**SESSION IV (Part 2): DOES HEALTHSPAN EXTENSION = LIFESPAN EXTENSION & VICE VERSA?**

**Session Leader: Christi Walter, Ph.D.**

10:35 – 11:10 AM: Genetics of Lifespan and Healthspan in Mice  
Bev Paigen, Ph.D., The Jackson Laboratory

11:10 – 11:45 AM: A Revisionist Perspective on the Effect of Aging on Bone”  
Stavros Manolagas, Ph.D., U. of Arkansas Medical Center

11:45 – 12:20AM: Measuring Cardiac Healthspan  
Merry Lindsey, Ph.D., UTHSCSA

12:20 – 1:30 PM: LUNCH AT THE PAVILION

**SESSION V: SUMMARY SESSION**

**Session Leader: Huber Warner, Ph.D.**

1:30 – 2:05 PM: Developing Guidelines to Ensure Reproducibility of Lifespan/Healthspan Studies  
Nancy Nadon, Ph.D., NIA

2:05 – 2:40 PM: What Is Known and What Is Not Known: New Directions for Study  
Felipe Sierra, Ph.D., NIA

2:40 – 3:15 PM: General Discussion

3:15 – 5:15 PM: FREE TIME (Horseback Riding Available)

7:00 PM: Dinner