

2017 Barshop Symposium on Aging

AS OF 9/06/17

Sex Differences in Aging: Mechanisms and Responses to Interventions

Veronica Galvan, PhD and Jim Nelson, PhD, Conference Organizers

Thursday October 12, 2017

- 4:00-6:00pm Registration
6:00pm Dinner at the Pavilion
7:30-9:00pm Keynote Presentation
Chair/Moderator: TBD
Roberta Brinton PhD (University Arizona Health Sciences Center) TBA

Friday October 13, 2017

- 7:00-8:30am Breakfast
8:30-10:05am **SESSION I: Sex differences in human aging**
8:30-8:35am Session Leader: TBD
8:35-9:05am **Stephanie Studenski, MD (NIA)** "Gender & Health: Evaluating Sex As A Biological Variable in Preclinical Research: The Devil in the Details"
9:05-9:35am **Louise McCullough, MD, PhD (UT Health Houston)** "Aging in Stroke Outcomes"
9:35-10:05am **Susan Howlett, PhD (Dalhousie University)** "Sex Differences in Frailty"
10:05-10:25am Break
10:25-12:00pm **Session II: Methods for probing mechanisms of sex differences**
10:25-10:30am Session Leader: TBD
10:30-11:00am **Arthur Arnold PhD (UCLA)** "Conceptual Frameworks and Mouse Models for Studying Chromosome and Gonadal Hormonal Effects Causing Sex Differences"
11:00-11:30am **Rhonda Voskuhl, MD (UCLA)** "Sex Differences in Neurodegenerative Disease"
11:30-12:00pm **Christian Pike PhD (USC Davis)** "Sex Differences in Mouse Models of Alzheimer's Disease"
12:00-1:30pm Lunch at the Pavilion
1:30-3:05pm **Session III: Sex differences in responses to Age Ameliorating Interventions**
1:30-1:35pm Session Leader: TBD
1:35-2:05pm **Sarah Mitchell, PhD (Harvard T.H. Chan School of Public Health)** "Sex Differences in the Response to Caloric Restriction in Mice"
2:05-2:35pm **Farida Sohrabji, PhD (Texas A&M University)** "Sex Differences in the Efficacy of miRNA Mimetics for Stroke Therapy"
2:35-3:05pm **Shih-Yin Tsai, PhD (National University of Singapore)** "Sex Difference of mTORC1 Signaling in Aging"
3:15-5:00pm Free Time (Horseback Riding Available)

5:00-7:00pm **Poster Session** (At Pavilion - refreshments provided)

7:00pm Dinner at the Pavilion

Saturday October 14, 2017

7:00-8:30am Breakfast

9:00-10:35am Session IV: Sex differences in GH/IGF1 signaling pathways and aging

9:00-9:05am Session Leader: Yuji Ikeno, MD, PhD

9:05-9:35am **Andrzej Bartke, PhD (Southern Illinois University School of Medicine)** TBA

9:35-10:05am **Derek Huffman, PhD (Albert Einstein College of Medicine)** "Sex Differences in the GH/IGF-1 Pathway on Aging"

10:05-10:35am **Shoshona Yakar, PhD (New York University)** "Regulation of the Aging Skeleton by the GH/IGF-1 Axis"

10:35-10:55am Break

10:55-12:00pm Special Session: Selected Abstracts

10:55-11:00am Session Leader:

11:00-11:20am Short talk selected from abstracts

11:20-11:40am Short talk selected from abstracts

11:40-12:00pm Short talk selected from abstracts

12:00-1:30pm Lunch at the Pavilion

1:30-2:35pm Session V: Sex Differences in Diseases of Aging

1:30-1:35pm Session Leader:

1:35-2:05pm **George Kuchel MD, (U Conn Health):** "Physiologic and Biologic Sex Differences Involving the Lower Urinary Tract: From the Really Obvious to the Much More Subtle"

2:05-2:35pm **Dena Dubal, MD, PhD (UCSF)** "Sex Chromosomes and Brain Resilience"

2:35-2:55pm Break

2:55-4:00pm Session VI: Sex Differences due to developmental programming

2:55-3:00pm Session Leader:

3:00-3:30pm **Andrea Gore, PhD (UT Austin)** "Gonadal Hormones and the Aging Hypothalamus"

3:30-4:00pm **Laura Niedernhofer, MD, PhD, (The Scripps Research Institute)** "Endogenous DNA Damage as a Driver of Aging"

4:00-4:30pm **Concluding Remarks: Jim Kirkland, MD, PhD (Mayo Clinic)** "Sex Differences and Drugs Targeting Age-Related Disorders: Translational Consideration"

4:30pm Free Time

7:00pm Dinner at Hicksville (Gather at the Pavilion for a Hayride)

Sunday October 15, 2017

Breakfast and Departure