

2017 Barshop Symposium on Aging

AS OF 9/19/17

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) "Sex Differences in Brain Aging and Vulnerability to Age-Associated Neurodegenerative Disease"

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: Sara Espinoza, MD

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: Lizhen Chen, PhD

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: Andrew Pickering, PhD

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)**
“Somatotrophic Axis and Ambient Temperature”
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: Naomi Sayre, PhD
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: Bess Frost, PhD
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: Stacy Hussong, PhD
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