2017 Barshop Symposium on Aging

AS OF 9/08/17

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: 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”
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