
Event Agenda

Organization for the Study of Sex Differences 19th Annual Meeting

Sun, Jun 01, 2025

8:00 AM - 3:00 PM	Registration Open Location: Foyer
8:30 AM - 3:00 PM	OSSD WHRC Pre-Meeting Location: Alvarado ABCD
9:45 AM - 10:00 AM	Break Location: Foyer
3:00 PM - 5:00 PM	OSSD Council Meeting Location: Potters

Mon, Jun 02, 2025

7:00 AM - 5:00 PM	Registration Open Location: Foyer
7:30 AM - 8:30 AM	Breakfast Location: Foyer
8:45 AM - 10:00 AM	Arthur P. Arnold Distinguished Lecture: What Do Women Need From Women's Health Research? Location: Alvarado ABCD Keynote Speaker: Carolyn Mazure
10:00 AM - 10:15 AM	Break Location: Foyer
10:15 AM - 12:00 PM	Poster Session I Location: Alvarado EFGH
12:00 PM - 1:30 PM	Lunch on Your Own Location: Sawmill
12:00 PM - 1:30 PM	Trainee Lunch Event Location: Alvarado ABCD

1:30 PM - 3:15 PM

Sex Differences in Cardiometabolic Disease: Of Mice and Humans

Location: Alvarado ABCD

Chair & Speaker: Dhananjay Vaidya, Wendy L. Bennett; Speakers: Karen Reue, Carrie Wiese

A multi-omics approach to identify sex-diet interactions in cardiometabolic disease

1:30 PM - 1:55 PM

Speaker: Karen Reue

Sex determinants of atherosclerosis at single-cell resolution

1:55 PM - 2:20 PM

Speaker: Carrie Wiese

Sex Hormones and Intensive Lifestyle Modification Targeting Weight Reduction in Diabetes: The Look AHEAD Study

2:20 PM - 2:45 PM

Speaker: Dhananjay Vaidya

Sex and Gender Differences in Cardiometabolic Disease

2:45 PM - 3:10 PM

Speaker: Wendy L. Bennett

Q&A

3:10 PM - 3:15 PM

1:30 PM - 3:15 PM

Associations Between Social Determinants of Health and Disease Outcomes and Symptoms in Women (SCORE)

Location: Franciscan

Chair & Speaker: Rajeev Agarwal; Speakers: Arpana Church, Izzuddin Aris, MacKenzie Peltier

Sex commonalities and differences in associations between neighborhood disadvantage in patients with irritable bowel syndrome: Insights from brain-gut microbiome interactions

1:30 PM - 1:55 PM

Speaker: Arpana Church

Neighborhood Vulnerability and Women's Health – Insights from the Project Viva Cohort

1:55 PM - 2:20 PM

Speaker: Izzuddin Aris

Alcohol Use During Pregnancy: The Impact of Social Determinants of Health

2:20 PM - 2:45 PM

Speaker: MacKenzie Peltier

Agarwal TBD

2:45 PM - 3:10 PM

Speaker: Rajeev Agarwal

Q&A

3:10 PM - 3:15 PM

3:15 PM - 3:30 PM

Break

Location: Foyer

3:30 PM - 5:15 PM

TITLE TBD

Location: Alvarado ABCD

Chair & Speaker: Erynn Christensen; Speakers: Angela del Aguila, Chen Wang, Chloe Lopez-Lee

Mechanisms of chemotherapy-induced behavioral side effects in female breast cancer patients: Estrogen, hot flashes, and anxiety

3:30 PM - 3:55 PM

Speaker: Angela del Aguila

A panoramic view of expression and function of the diverse and expanded Doublesex/DMRT gene family of *C. elegans*

3:55 PM - 4:20 PM

Speaker: Chen Wang

Age versus pubertal stage: Sex differences in cognitive development during adolescence

4:20 PM - 4:45 PM

Speaker: Erynn Christensen

Tlr7 drives sex differences in age- and AD-related demyelination

4:45 PM - 5:10 PM

Speaker: Chloe Lopez-Lee

Q&A

5:10 PM - 5:15 PM

3:30 PM - 5:15 PM

New Views on Sex and the Brain Transcriptome

Location: Franciscan
Chair: Armin Raznahan ; Speakers: Adam Pavlinek, Jessica Tollkuhn, Alex DeCasien

Using organoids to study neurodevelopmental sex differences

3:30 PM - 3:55 PM
Speaker: Adam Pavlinek

Steroid hormone receptors drive sex-variable neural gene expression

3:55 PM - 4:20 PM
Speaker: Jessica Tollkuhn

Sex differences in the human brain across biological levels

4:20 PM - 4:45 PM
Speaker: Alex DeCasien

TBD

4:45 PM - 5:10 PM

Q&A

5:10 PM - 5:15 PM

5:15 PM - 6:00 PM

Break

6:00 PM - 7:00 PM

Opening Reception

Location: TBD

7:00 PM - 9:00 PM

Trainee Networking Event

Location: TBD

Tue, Jun 03, 2025

7:00 AM - 5:00 PM

Registration Open

Location: Foyer

7:30 AM - 8:45 AM

Breakfast

Location: Foyer

8:45 AM - 10:00 AM

Education Panel - Big Data and AI in Sex and Gender Research

Location: Alvarado ABCD
Chair: Rebecca Cunningham, DeLisa Fairweather ; Speakers: Jill Becker, Barbara Stranger

10:00 AM - 10:15 AM

Break

Location: Foyer

10:15 AM - 12:00 PM

Poster Session II

Location: Alvarado EFGH

12:00 PM - 1:30 PM

Lunch on Your Own

Location: Sawmill

12:00 PM - 1:30 PM

Lunch Event

Location: Alvarado ABCD

1:30 PM - 3:15 PM

Elizabeth Young New Investigator Awards

Location: Alvarado ABCD
Chair: Sofia Ahmed

3:15 PM - 3:30 PM

Break

3:30 PM - 5:30 PM

Biology of Sex Differences Award Winners and Hot Topics

Location: Alvarado ABCD

Chair: Jill Becker ; Speakers: Alex DeCasien, Shanie Landen, Margareta Pisarska, Robert-Paul Juster, Ece Bayram

Sex differences in the human brain: a roadmap for more careful analysis and interpretation of a biological reality

3:30 PM - 4:00 PM

Speaker: Alex DeCasien

Sex differences in muscle protein expression and DNA methylation in response to exercise training

4:00 PM - 4:30 PM

Speaker: Shanie Landen

Sexually dimorphic DNA methylation and gene expression patterns in human first trimester placenta

4:30 PM - 4:50 PM

Speaker: Margareta Pisarska

Sex and gender correlates of sexually polymorphic cognition

4:50 PM - 5:10 PM

Speaker: Robert-Paul Juster

Sex differences for clinical correlates of substantia nigra neuron loss in people with Lewy body pathology

5:10 PM - 5:30 PM

Speaker: Ece Bayram

3:30 PM - 5:15 PM

Grappling with Sex Chromosome Inequality and Equality in Health and Disease

Location: Franciscan

Chair: Arthur Arnold, Christine Disteche ; Speakers: Adrianna San Roman, Kathrin Plath, Diana Dou, Katherine Roche

Genomic contributions to sex differences in human biology

3:30 PM - 3:55 PM

Speaker: Adrianna San Roman

XIST directly regulates X-linked and autosomal genes in naive human pluripotent cells

3:55 PM - 4:20 PM

Speaker: Kathrin Plath

A “complex” issue: When 2 X’s need to Xist

4:20 PM - 4:45 PM

Speaker: Diana Dou

Inability of Y-linked NLGN4Y to compensate for X-linked NLGN4X is associated with male predominance of autism spectrum disorders

4:45 PM - 5:10 PM

Speaker: Katherine Roche

Q&A

5:10 PM - 5:15 PM

7:00 PM - 8:00 PM

CIHR and IGH Travel Awardee Reception

Wed, Jun 04, 2025

7:00 AM - 3:00 PM

Registration Open

Location: Foyer

7:30 AM - 8:30 AM

Breakfast

Location: Foyer

8:45 AM - 10:00 AM

OSSD Presidential Symposium

Location: Alvarado ABCD

Chair: Sofia Ahmed

10:00 AM - 10:15 AM

Break

Location: Foyer

10:15 AM - 12:00 PM

Acute Cardiovascular Conditions- The Triple Threat in the Emergency Department

Location: Alvarado ABCD
Speakers: Angela Jarman, Basmah Safdar, Pavitra Kotini-Shah, Justin Van Beusecum

Sex Differences in Venous Thromboembolism

10:15 AM - 10:40 AM
Speaker: Angela Jarman

Sex Differences in Acute Myocardial Infarction

10:40 AM - 11:05 AM
Speaker: Angela Jarman

Sex Differences in Cardiac Arrest

11:05 AM - 11:30 AM
Speaker: Pavitra Kotini-Shah

Sex Differences in the Development of Lupus-Associated Cardiovascular Disease

11:30 AM - 11:55 AM
Speaker: Justin Van Beusecum

Q&A

11:55 AM - 12:00 PM

10:15 AM - 12:00 PM

ORWH Policy Awardees

Location: Franciscan

12:00 PM - 1:30 PM

Lunch on Your Own

Location: Sawmill

12:00 PM - 1:30 PM

Funders Forum Lunch

Location: Alvarado ABCD
Chair: Sofia Ahmed, Kathleen Morrison

1:30 PM - 3:15 PM

Leveraging Computational Methods and Large Datasets to Study Sex Differences in Multiscale Human Brain Organization Across the Lifespan, in Health and Disease

Location: Alvarado ABCD
Chair & Speaker: Bianca Serio ; Co-Chair: Sofie Valk ; Speakers: Elvisha Dhamala, Claudia Barth, Siyuan Liu

The Roles of Sex and Gender in the Neural Basis of Psychotic-Like Experiences in Youth

1:30 PM - 1:55 PM
Speaker: Elvisha Dhamala

Sex differences in adult functional brain organization: Bridging across scales, from large population cohorts to densely sampled single individuals

1:55 PM - 2:20 PM
Speaker: Bianca Serio

Leveraging big data and causal approaches to study female brain and mental health in aging

2:20 PM - 2:45 PM
Speaker: Claudia Barth

Multimodal mapping of sex differences in the human brain and links to mental health

2:45 PM - 3:10 PM
Speaker: Siyuan Liu

Q&A

3:10 PM - 3:15 PM

1:30 PM - 3:15 PM

Latent Sex Differences in Synaptic Function Within Reward Circuits

Location: Franciscan
Chair & Speaker: Tara LeGates ; Co-Chair & Speaker: Lisa Briand ; Speakers: Dean Kirson, Anant Jain

Latent sex differences underlie plasticity at hippocampus-nucleus accumbens synapses

1:30 PM - 1:55 PM
Speaker: Tara LeGates

Region-specific sex differences in the role of glutamate receptor trafficking proteins in synaptic plasticity

1:55 PM - 2:20 PM
Speaker: Lisa Briand

Sex differences at the junction of alcohol and stress disorders

2:20 PM - 2:45 PM
Speaker: Dean Kirson

Latent sex difference in mechanisms of estradiol-induced excitatory synaptic potentiation

2:45 PM - 3:10 PM
Speaker: Anant Jain

Q&A

3:10 PM - 3:15 PM

3:15 PM - 3:30 PM

Break

3:30 PM - 5:15 PM

SWHR Awardees
Location: Alvarado ABCD
Chair: Katelyn Bruno, Ashlyn Swift-Gallant

3:30 PM - 5:15 PM

X chromosome, Brain Aging, and AD
Location: Franciscan
Chair: Rachel Buckley ; Co-Chair & Speaker: Dena Dubal ; Speakers: Mabel Seto, Michael Belloy, Jessica Young

X-linked gene expression is associated with plasma pTau217 levels via Ab-PET and sex in A4/LEARN
3:30 PM - 3:55 PM
Speaker: Mabel Seto

X chromosome to underlie pathways of resilience
3:55 PM - 4:20 PM
Speaker: Dena Dubal

X Chromosome Genetics Across Sex, APOE*4, and Pleiotropic Traits Reveals Novel Alzheimer’s Disease Risk Genes
4:20 PM - 4:45 PM
Speaker: Michael Belloy

Genetic interactions between X chromosome dose and APOE4 risk for AD
4:45 PM - 5:10 PM
Speaker: Jessica Young

Q&A
5:10 PM - 5:15 PM

5:15 PM - 5:50 PM

Break

5:30 PM - 6:00 PM

General OSSD Membership and Business Meeting
Location: Alvarado ABCD

6:00 PM - 8:00 PM

Awards Dinner
Location: Alvarado EFGH

Thu, Jun 05, 2025

7:00 AM - 12:00 PM

Registration Open
Location: Foyer

7:30 AM - 8:30 AM

Breakfast
Location: Foyer

8:45 AM - 10:00 AM

Captstone Lecture: Epigenetic aging in Turner and Klinefelter syndrome: Correlations with clinical aging markers
Location: Alvarado ABCD
Speaker: Claus H. Gravholt

10:00 AM - 10:15 AM

Break
Location: Foyer

10:15 AM - 12:00 PM

Sex and Gender Differences in Cancer
Chair & Speaker: Sarah Jackson ; Speakers: Julia Francis, Yu Jing (Jan) Heng

Sex differences in cancer: An overview
10:15 AM - 10:40 AM
Speaker: Sarah Jackson

Sex differences in cancer incidences across race and ethnicity using a multiethnic cohort in the US
10:40 AM - 11:05 AM
Speaker: Julia Francis

Male immune modulation reduces the efficacy of PARP inhibition in the treatment of Brca1mut breast tumors
11:05 AM - 11:30 AM
Speaker: Yu Jing (Jan) Heng

Cancer among individuals living with chronic kidney disease: A sex and gender perspective
11:30 AM - 11:55 AM
Speaker: Sandi Dumanski

Q&A
11:55 AM - 12:00 PM

10:15 AM - 12:00 PM

Advancing Integration of Sex and Gender in Research and Clinical Practice Through Whole-Sector Action and Policy Change

Chair: Alice Witt ; Speakers: Bronwyn Graham, Kate Womersley, Marina Politis, Mariana Bento

Advancing sex and gender integration in the Australian medical research landscape

10:15 AM - 10:40 AM

Speaker: Bronwyn Graham

Co-designing a best practice sex and gender policy framework for UK research funders: The Medical Science Sex and Gender Equity (MESSAGE) project

10:40 AM - 11:05 AM

Speaker: Kate Womersley

A systematic review of the consideration of sex and gender dimensions in the UK's NICE clinical guidelines

11:05 AM - 11:30 AM

Speaker: Marina Politis

Better AI for Healthcare Applications: Assessing Sex Differences.

11:30 AM - 11:55 AM

Speaker: Mariana Bento

Q&A

11:55 AM - 12:00 PM