
Event Agenda

OSSD 18th Annual Meeting

Sat, May 04, 2024

10:00 AM - 1:00 PM OSSD Fjord Cruise (Optional)

2:00 PM - 5:00 PM OSSD Fjord Cruise (Optional)

Sun, May 05, 2024

8:00 AM - 5:00 PM **Registration**
Location: Hotel Lobby

9:00 AM - 5:00 PM **Women's Health Research Pre-Conference - Beyond Bikini Medicine: A Spotlight on Women's Health Research**
Location: Kongresal 1-2

Opening Remarks
9:00 AM - 9:15 AM

9:15 AM - 9:50 AM **Keynote 1 - A focus on Hormonal Transitions across the lifespan for brain health and aging trajectories**

9:55 AM - 10:55 AM **Session 1: Novel Non-Traditional Sex-Specific Cardiovascular Disease Risk Factors in Females**

- Mechanisms of accelerated cardiovascular disease risk in women with endometriosis**
9:55 AM - 10:15 AM
- Menopausal hot flashes as novel cardiovascular risk factors and markers of neurovascular dysfunction**
10:15 AM - 10:35 AM
- Neurovascular regulation in females with a history of spontaneous coronary artery dissection.**
10:35 AM - 10:55 AM

10:55 AM - 11:10 AM **Coffee Break**
Location: Foyers

11:10 AM - 12:10 PM **Session 2**

- Real-world effectiveness of hormone replacement therapy in preventing relapse in women with schizophrenia**
11:50 AM - 12:00 PM
- Platelet aggregation and other functional indicators of thromboxane B2 activity in women with endometriosis**
12:00 PM - 12:10 PM

12:10 PM - 2:05 PM **SWHR Lunch & Learn: Lights, Camera, and Action to Improve Women's Heart Health**
Speakers: Irene Aninye, Syreen Goulmamine

- Lunch**
12:10 PM - 12:35 PM
- Spotlighting Gaps & Opportunities to Improve Women's Heart Health**
12:35 PM - 12:50 PM
- Intersecting Realities Concerning Heart Health and Intersectionality**
12:50 PM - 1:05 PM
- Q&A Panel Discussion**
1:05 PM - 1:20 PM
- Roundtable Discussions and Report Outs**
1:20 PM - 2:00 PM
- Closing Remarks**
2:00 PM - 2:05 PM

2:05 PM - 2:20 PM

Coffee Break

Location: Foyers

2:20 PM - 4:00 PM

Session 4: Multifaceted contributors to the pathophysiology of depression in women

PFC mitochondrial function: a link between gestational stress and postpartum inflammation

2:20 PM - 2:40 PM

Peripartum opioid exposure and disruptions in maternal behavioral health: A novel role for neuroinflammation.

2:40 PM - 3:00 PM

Evidence of GABAergic Neuroactive Steroid Dysfunction in Premenstrual Dysphoric Disorder (PMDD)

3:00 PM - 3:20 PM

Emerging roles for microglia and perineuronal nets in a rodent gestational stress model of postpartum depression.

3:20 PM - 3:40 PM

Alterations in the kynurenine pathway in MDD: a specific role in the female brain

3:40 PM - 4:00 PM

4:00 PM - 4:35 PM

Keynote Lecture - The brains of women: Sex, drugs and so much more

4:35 PM - 4:45 PM

Closing Remarks

Mon, May 06, 2024

7:00 AM - 5:00 PM

Registration

8:30 AM - 9:45 AM

Presidential Keynote - Gut Feelings: The Microbiome as a Key Regulator of Brain & Behaviour Across the Lifespan

Location: Kongresal 1-4

Speaker: John Cryan

9:45 AM - 10:00 AM

Break

Location: Foyers

10:00 AM - 11:45 AM

Poster Session I

Location: Foyer, Dræggen 7 & Dræggen 3

1. Effects of binge-like ethanol drinking on glutamate transmission and excitability of D1R+MSNs in the shell of the nucleus accumbens from male and female mice

10:00 AM - 11:45 AM

Speaker: Heather Aziz

2. Obesity increases cardiovascular strain during passive heat stress in middle-aged women

10:00 AM - 11:45 AM

Speaker: S. Tony Wolf

3. Prenatal alcohol and cannabinoid exposures impose distinct, sex-specific behavioral phenotypes of coordination and alcohol-seeking in adult mouse offspring.

10:00 AM - 11:45 AM

Speaker: Siara Rouzer

4. Sex Differences in Resting State Neural Networks Underlying Adolescent Multisite Pain

10:00 AM - 11:45 AM

Speaker: Esmeralda Hidalgo

5. Resource scarcity experienced early in life alters the basolateral amygdala transcriptome and addiction-related behaviors in a sex-specific manner

10:00 AM - 11:45 AM

Speaker: Amelia Cuarenta

8. Sex and Gender Dynamics of Child and Youth Mental Health during the COVID-19 Pandemic

10:00 AM - 11:45 AM

Speaker: Maia Stelfox

9. Sex-Specific Effects of Developmental Lead (Pb) Exposure on Cardiac Calcium Dynamics and Function

10:00 AM - 11:45 AM

Speaker: Laurie Svoboda

11. Sex and Gender Representation in Canadian Critical Care Research

10:00 AM - 11:45 AM

Speaker: Zara Stelfox

12. Gender differences in substance abuse and behavioral impairment in Ugandan adolescents

10:00 AM - 11:45 AM
Speaker: Ronald Anguzu

13. Sex dependent metabolic effects of adipose specific GSK3alpha/beta deletion in mice

10:00 AM - 11:45 AM
Speaker: Ahmad Mohammad

15. Human brain analyses reveal sex specific differences in the kynurenine pathway in depression

10:00 AM - 11:45 AM
Speaker: Samara Walpole

16. Janusmed Sex and Gender – a web-based knowledge database to improve drug treatment in men and women

10:00 AM - 11:45 AM
Speaker: Linnéa Karlsson Lind

17. Increased miRNA-34a and -125b expression in the parietal cortex of women but not men with AD

10:00 AM - 11:45 AM
Speaker: Maricedes Acosta

18. Examining Sleep Disparities with Chronic Medication Use: Sex Differences in Older Adults with Insomnia Symptoms

10:00 AM - 11:45 AM
Speaker: Negin Sattari Barabadi

19. Changes in mood variability in transgender people after starting gender-affirming hormones

10:00 AM - 11:45 AM
Speaker: Margot Morssinkhof

20. Insights into the greater risk for Alzheimer's disease in females: parity, body weight, and estradiol

10:00 AM - 11:45 AM
Speaker: Jennifer Richard

21. Sex differences in anti-EBV antibody responses

10:00 AM - 11:45 AM
Speaker: Julia Francis

22. Anti-Müllerian hormone and measures of arterial stiffness in males with chronic kidney disease

10:00 AM - 11:45 AM
Speaker: Nicole Larsen

23. Rapid interplay between estrogen receptors and oxytocin receptors in the facilitation of social recognition in the medial amygdala of female mice

10:00 AM - 11:45 AM
Speaker: Elena Choleris

23.2 Sex hormones' rapid effects on social and non-social short-term memory in the dorsal hippocampus of male mice

10:00 AM - 11:45 AM
Speaker: Elena Choleris

24. The association between anti-Müllerian hormone and cardiometabolic risk in males: A systematic review

10:00 AM - 11:45 AM
Speaker: Nicole Larsen

25. Investigating the genetics underlying sex differences in communication disorders

10:00 AM - 11:45 AM
Speaker: Tanya Phung

27. Whole-sector policy co-design to improve integration of sex and gender in medical research

10:00 AM - 11:45 AM
Speaker: Alice Witt

28. Counting diseases to predict mortality among patients with multimorbidity: as accurate as recommended prediction models? - Sex-specific results from an external validation study

10:00 AM - 11:45 AM
Speaker: Silvan Licher

29. The health of care workers in diversity-sensitive care organizations from a gender and intersectional perspective.

10:00 AM - 11:45 AM
Speaker: Saskia Duijjs

30. Rethinking Evidence-Based Medicine in Gender-Affirming Medical Care for Youth: Unveiling Normativities and Affective Realities

10:00 AM - 11:45 AM
Speaker: Ezra Oosthoek

31. Determining the Sexually Dimorphic Impact of Dio3 on Cardiac Recovery Following Myocardial Infarction

10:00 AM - 11:45 AM
Speaker: Sylvania Teixeira

32. The role of neural and immune cell androgen signaling in social behavior development

10:00 AM - 11:45 AM
Speaker: Kerri Sparkes

33. A gendered ethos of safety: Mothers in emergency care occupations and new considerations for pediatric injury prevention and parenting

10:00 AM - 11:45 AM
Speaker: Michelle Bauer

34. What Women Want: Patient-Informed Approaches for Increasing the Inclusivity of Women in Cardiac Rehabilitation across Canada

10:00 AM - 11:45 AM
Speaker: Carley O'Neill

35. Sex differences in cancer survival among solid organ transplant recipients

10:00 AM - 11:45 AM
Speaker: Sarah Jackson

36. Sex differences in the impact of prenatal hypoxia and placental antioxidant treatment on thromboxane-mediated vascular responses in the adult offspring

10:00 AM - 11:45 AM
Speaker: Murilo Graton

37. Gender Differences in Cardiac Arrhythmias: From Diagnosis to Treatment Options

10:00 AM - 11:45 AM
Speaker: Dalia Giedrimiene

38. Exploring the Impact of Sex Hormones on Cytotoxic Granzyme Production in Activated CD4+ T Cells

10:00 AM - 11:45 AM
Speaker: Oksana Goroshchuk

39. The association between serum testosterone levels and cardiovascular health with gender-affirming testosterone therapy use.

10:00 AM - 11:45 AM
Speaker: Badal (Brandon) Pattar

49. Characterization of the literature informing health care of transgender and gender-diverse individuals: a bibliometric analysis.

10:00 AM - 11:45 AM
Speaker: Badal (Brandon) Pattar

40. The relationship of estrogen and sinonasal outcomes in women: A scoping review

10:00 AM - 11:45 AM
Speaker: Victoria Lee

41. Genetic variants in COMT and ESR1 shape treatment response to raloxifene in schizophrenia-spectrum disorders

10:00 AM - 11:45 AM
Speaker: Bodyl Brand

42. Efficacy and safety of psilocybin for peripartum mood disorders

10:00 AM - 11:45 AM
Speaker: Cassandra Hatzipantelis

43. Sex differences in multimodal Alzheimer's disease biomarkers in cognitively unimpaired and mild cognitive impairment individuals

10:00 AM - 11:45 AM
Speaker: Marta Mila

44. Sexual orientation correlates with hormonal profiles and sexually polymorphic cognition

10:00 AM - 11:45 AM
Speaker: Fanny Saulnier

47. Vascular and sympathetic responses to the cold pressor test are not associated with menopausal hot flash severity or frequency.

10:00 AM - 11:45 AM
Speaker: Gabrielle Dillon

48. Hypobaric hypoxia induces depressive, anxiety and cognitive symptoms in rats, with females more vulnerable.

10:00 AM - 11:45 AM
Speaker: Shami Kanekar

50. Reflexivity and positionality applied to medical practice: An experimental project on implicit gender bias with medical students at a Swiss university

10:00 AM - 11:45 AM
Speaker: Joëlle Schwarz

51. Associations Between Brain Volume and Sex Hormones in Males and Postmenopausal Females with Type 2 Diabetes

10:00 AM - 11:45 AM
Speaker: Jay Vaidya

52. Weight Loss Intervention Differentially Impacts Sex Hormones in Females and Males with Type 2 Diabetes

10:00 AM - 11:45 AM
Speaker: Jay Vaidya

53. A sex-dependent dual serotonergic approach for reducing methamphetamine intake in rats

10:00 AM - 11:45 AM
Speaker: Liana Fattore

54. The long-term effects of pregnancy and postpartum experiences on hippocampal cell plasticity

10:00 AM - 11:45 AM
Speaker: Jennifer Chan

55. Review of potential nonclinical treatment of brain fog related to menopause

10:00 AM - 11:45 AM
Speaker: Marina Hirnstein

56. The sex-specific effects of estrogen receptor-related alpha (ERRα) on viral myocarditis in mice.

10:00 AM - 11:45 AM
Speaker: Charwan Hamilton

58. Cognitive deficits in childhood leukemia survivors: A translationally-relevant mouse model identifies sex-specific effects on astrocytes

10:00 AM - 11:45 AM
Speaker: Teresa Reyes

59. X-linked Demethylase KDM6A Contributes to Mouse Cardiac Sex Differences

10:00 AM - 11:45 AM
Speaker: Lucia Grandison

60. Sex-Differences in Meeting Minimal Clinically Important Differences for Physical and Mental Health Outcomes in Patients with Atrial Fibrillation Participating in Cardiovascular Rehabilitation

10:00 AM - 11:45 AM
Speaker: Jennifer Reed

61. Oral health status assessment for participants undergoing gender affirming hormone treatment

10:00 AM - 11:45 AM
Speaker: Pilar Cornejo

62. Differences in serum protein levels associated with oral contraceptive use among African American women with hypertension and obesity

10:00 AM - 11:45 AM
Speaker: Lisa DeRoo

63. Role of the Ovaries in Sex Differences in the Immune Response to Influenza Vaccination

10:00 AM - 11:45 AM
Speaker: Beth DeConinck

64. Interaction between menopause and high fat diet on cognition and pathology in a mouse model of Alzheimer's disease.

10:00 AM - 11:45 AM
Speaker: Charly Abi-Ghanem

65. Vascular elasticity and risk factors leading to arterial stiffness in women

10:00 AM - 11:45 AM
Speaker: Ute Seeland

66. Intersectional Barriers to Indigenous Youth Accessing Sexual and Reproductive Health Services in Canada

10:00 AM - 11:45 AM
Speaker: Samantha Martin-Ferris

67. Biological sex affects the associations between intracranial blood flow and brain structure

10:00 AM - 11:45 AM
Speaker: M. Erin Moir

68. Outcomes of radiofrequency ablation for patients with ventricular tachycardia. Is there still a gender gap?

10:00 AM - 11:45 AM
Speaker: Dalia Giedrimiene

69. Investigating the Influence of X-Escaping Genes on Sex Differences in Neural Development: A Multiomics Approach

10:00 AM - 11:45 AM
Speaker: Cristina Gontan

70. Sex Differences in anxiety-like behaviors during withdrawal from morphine

10:00 AM - 11:45 AM
Speaker: Davis Van Dyk

72. Sex differences in the relationship between same-sex cage mates after METH Self-Administration

10:00 AM - 11:45 AM
Speaker: Ivette Gonzalez

73. Sex differences in the effect of oxytocin and methamphetamine electrically stimulated dopamine release and reuptake

10:00 AM - 11:45 AM
Speaker: Jill Becker

74. Sex differences in striatal dopamine release during voluntary physical activity

10:00 AM - 11:45 AM
Speaker: Margaret Tanner

75. The Sex-Specific Influence of Iron Deficiency on Vitamin A Homeostasis

10:00 AM - 11:45 AM
Speaker: Olivia Sadilek-Thring

76. Sex-bias during mouse embryonic development

10:00 AM - 11:45 AM
Speaker: Christine Disteche

77. Exploring gender differences in health information seeking: results from separate cross-sectional surveys on three health topics

10:00 AM - 11:45 AM

Speaker: Rebecca Brundin-Mather

78. Paradoxical Alpha Sleep During Experimental Sleep Restriction: Sex Differences

10:00 AM - 11:45 AM

Speaker: Ian Greenlund

79. Integrating sex and gender content into medical school curricula using generative artificial intelligence

10:00 AM - 11:45 AM

Speaker: Haleigh Larson

80. Sex differences in signatures of dementia risk factors

10:00 AM - 11:45 AM

Speaker: Alice Mukora

82. Modulation of mucosal glycans by the vaginal microbiome: A sex-specific risk factor for chlamydia infection?

10:00 AM - 11:45 AM

Speaker: Kat Heger

83. Closing the Gap in Medical Education: Sex and Gender Health Collaborative Education Initiative

10:00 AM - 11:45 AM

Speaker: Monica Ybarra

85. Sex-bias of the immune system during ageing and its interplay with X-linked gene dosage at the single cell in mouse

10:00 AM - 11:45 AM

Speaker: Stefania Del Prete

86. An atlas of sex-specific epigenetic ageing across eight human tissues

10:00 AM - 11:45 AM

Speaker: Séverine Lamon

87. Long-term behavioural effects of pregnancy and motherhood in a long-lived rodent, the Octodon degu.

10:00 AM - 11:45 AM

Speaker: Julia Mazur

88. Examining sex chromosomes and hormone contributions to the sex bias in the maternal immune activation mouse model of autism: A focus on fetal development

10:00 AM - 11:45 AM

Speaker: Alison Randell

89. Effects of female sex hormones on genotoxic stress response in vitro.

10:00 AM - 11:45 AM

Speaker: Joanna Ruskiewicz

90. Sexual dimorphisms in fecundity and behavior in the absence of the BMP antagonist Gremlin2.

10:00 AM - 11:45 AM

Speaker: Nicolette Frazer

91. Modeling sex differences in Alzheimer's Disease using isogenic hiPSC lines with different sex chromosome complements and APOE alleles

10:00 AM - 11:45 AM

Speaker: Gala Filippova

92. Sex related metabolic alterations after oral administration of Acetaminiprid in juvenile male and female rats: preliminary data

10:00 AM - 11:45 AM

Speaker: Roberta Tassinari

93. Mind the Gender Gap: Data Disaggregation in Health Sciences Research & Why we need to move beyond a Male Norm

10:00 AM - 11:45 AM

Speaker: Marina Politis

95. Australian medical research that considered sex as a biological variable: a meta-analysis

10:00 AM - 11:45 AM

Speaker: Shanie Landen

96. Y chromosome damage underlies testicular abnormalities in ATR-X syndrome

10:00 AM - 11:45 AM

Speaker: Vincent Harley

97. The Sex-Specific Effects of Taurine Supplementation on Behavior in Socially Isolated Rats

10:00 AM - 11:45 AM

Speaker: Madeline Kitlas

98. Sex-specific associations of loneliness and depression

10:00 AM - 11:45 AM

Speaker: Nina Gottschewsky

99. Sex-specific neural activity in response to a reward-based cognitive bias task

10:00 AM - 11:45 AM

Speaker: Travis Hodges

100. Querying women's health histories: Implications of survey design for interpretation and analysis

10:00 AM - 11:45 AM

Speaker: Ursula Saelzler

11:45 AM - 1:15 PM

Trainee Lunch

Location: Kongresal 1-4

1:15 PM - 3:00 PM

Presidential Symposium - Studying Sex Differences Relevant for Neurodevelopment and Psychiatric Conditions: From Animal Models to Humans

Location: Kongresal 1-4

Chair: Deepak Srivastava, Elena Choleris

Egr1 is a sex-specific regulator of neuronal chromatin, synaptic plasticity, and behavior

1:15 PM - 1:40 PM

Speaker: Marija Kundakovic

Identification of sex-specific mechanisms in animal models of neurodevelopmental conditions

1:40 PM - 2:05 PM

Speaker: Peter Penzes

Using human induced pluripotent stem cell models to study sex differences in neurodevelopmental conditions

2:05 PM - 2:30 PM

Speaker: Deepak Srivastava

Prenatal sex differences and autism

2:30 PM - 3:00 PM

Speaker: Alex Tsompanidis

1:15 PM - 3:00 PM

Cardiometabolic Comorbidities of Sleep Apnea: Are Men and Women Facing the Same Diseases?

Location: Dræggen 8

Chair: Vincent Joseph, Elise Belaidi

Sex and gender differences in mechanisms, presentation and outcomes of sleep apnea

1:15 PM - 1:40 PM

Speaker: Wojciech Trzepizur

Role of sexual hormones in mechanisms involved in intermittent hypoxia-induced cardiometabolic consequences

1:40 PM - 2:05 PM

Speaker: Elise Belaidi

Sex-hormones determine metabolic responses and hepatic oxidative stress in male and female mice exposed to intermittent hypoxia

2:05 PM - 2:30 PM

Speaker: Vincent Joseph

Sex modifies effects of obesity in sleep disordered breathing

2:30 PM - 3:00 PM

Speaker: Vsevolod Polotsky

1:15 PM - 3:00 PM

Sex Differences Throughout the Medicines' Life Cycle: Evaluating and Sharing Existing Information

Location: Vågen

Chair: Karin Schenck-Gustafsson

An overview of the regulatory medicines system and attention to sex differences in this system

1:15 PM - 1:40 PM

Speaker: Ineke Havinga

Sex proportionality in clinical trials and sex differences in treatment effects with a focus on adverse drug reactions

1:40 PM - 2:05 PM

Speaker: Sieta de Vries

Development of a knowledge database for sex differences in drug treatment, Janusmed Sex and Gender

2:05 PM - 2:30 PM

Speaker: Karin Schenck-Gustafsson

Experiences and reflections from the knowledge database Janusmed Sex and Gender

2:30 PM - 3:00 PM

Speaker: Linnéa Karlsson Lind

3:00 PM - 3:15 PM

Break

Location: Foyers

3:15 PM - 5:00 PM

Sex Differences in Immunity

Location: Vågen

Potential sex indicators of the COVID-19 vaccination response in healthcare workers: Sex hormones and microRNAs

3:15 PM - 3:40 PM

Speaker: Anna Ruggieri

Sex-specific gene expression reveals differentially expressed cancer signaling pathways in various B cell lymphomas

3:40 PM - 4:05 PM

Speaker: Christiane Gaertner

Pre-pubescent pediatric mice have more severe disease than pubescent pediatric mice and adult mice with viral myocarditis: role of sex, age and hormone status

4:05 PM - 4:30 PM

Speaker: Katelyn Bruno

The ovary as a secondary immune organ: Ischemic stroke as a case study

4:30 PM - 5:00 PM

Speaker: Farida Sohrabji

3:15 PM - 5:00 PM

SWHR Emerging Scholars in Women's Health Research Award Symposium

Location: Dræggen 8

Chair: Irene Aninye

SWHR Symposium on Aging & Women's Health Introduction

3:15 PM - 3:30 PM

Speaker: Irene Aninye

Adolescent Hormonal Contraceptive Administration Impacts Prefrontal Cortex Maturation and Risk-assessment in Female Rats

3:30 PM - 3:55 PM

Speaker: Rachel Gilfarb

Pregnancy-associated Oxidative Stress and Inflammation are not Associated with Impaired Maternal Neuronal Activity or Memory Function

3:55 PM - 4:20 PM

Speaker: Jessica Bradshaw

Genes that Escape X Chromosome Inactivation are Associated with Alzheimer's Disease Endophenotypes: Findings from ROSMAP

4:20 PM - 4:45 PM

Speaker: Mabel Seto

3:15 PM - 5:00 PM

UneXXpected Ways Sex Impacts Research Outcomes

Location: Kongresal 1-4

Chair: Georgia Hodes

The significance of environmental factors in implementing Sex as a Biological Variable (SABV) in mouse research

3:15 PM - 3:40 PM

Speaker: Ivana Jaric

Sex differences in the gut reaction to stress

3:40 PM - 4:05 PM

Speaker: Georgia Hodes

Sex- and Region-Specific Blood-Brain Barrier Disruption During Nicotine and Opioid Withdrawal

4:05 PM - 4:30 PM

Speaker: Jill Turner

Sex Differences in Stress Response: Classical Mechanisms and Beyond

4:30 PM - 5:00 PM

Speaker: Nikolaos Kokras

5:45 PM - 7:00 PM

Opening Reception at King Haakon's Hall

Location: Meet at Radisson Blu Lobby door at 5:30 p.m. Canapes will be served (not full dinner).

7:30 PM - 9:00 PM

Trainee Networking Event

Tue, May 07, 2024

7:00 AM - 5:00 PM

Registration

8:30 AM - 9:45 AM

Arthur P. Arnold Distinguished Lecture - G x E x D and SABV: Stress in the world and who is at risk?

Location: Kongresal 1-4

Speaker: Tracy Bale

9:45 AM - 10:00 AM

Break

Location: Foyers

10:00 AM - 11:45 AM

Poster Session II

Location: Foyer, Dræggen 7 & Dræggen 3

26. The Effect of Controlled Ovarian Stimulation on Kidney Function: A Pilot Study

10:00 AM - 11:45 AM

Speaker: Sakshi Kharbanda

45. Body composition changes during in-vitro fertilization: A pilot study

10:00 AM - 11:45 AM

Speaker: Elaha Niazi

71. Characterization of cognition in typical older adults: What's the role of sex and gender?

10:00 AM - 11:45 AM

Speaker: Shana Stited

94. Protocol for age-matched prospective study on the effects of testosterone and estrogen-based hormone therapies on muscle health and functioning in transgender Australians

10:00 AM - 11:45 AM

Speaker: Patrice Jones

101. iPLA2: novel biomarker identifying sex differences in radiation-induced heart disease

10:00 AM - 11:45 AM

Speaker: Emily Whelan

102. Impulsivity in women with premenstrual irritability and anger intermittently treated with Escitalopram: A laboratory crossover study

10:00 AM - 11:45 AM

Speaker: Maria Gröndal

103. Transcriptional mechanisms of female stress susceptibility.

10:00 AM - 11:45 AM

Speaker: Christabel Mclain

104. Investigation of gender differences in the use of antiepileptics for epilepsy, insomnia, and neuropathic pain in Norway, Japan, and the USA

10:00 AM - 11:45 AM

Speaker: Fatima Ali

105. The impact of social stigma on fear of rejection, psychological distress, loneliness and domestic violence among female patients with substance use disorder in Pakistan

10:00 AM - 11:45 AM

106. Sex differences in sensitivity to the reinforcing effects of cocaine and cocaine+nicotine combinations in a socially-housed nonhuman primate model of cocaine abuse

10:00 AM - 11:45 AM

Speaker: mia Allen

107. Microgliosis and neurological dysfunction due to chronic global hypoperfusion are worsened in a sex-specific manner in a mouse model of cerebral amyloid angiopathy

10:00 AM - 11:45 AM

108. Marked Sex Differences are Observed in Heroin Acquisition and Affective State in Rats, but Converge to Similar Levels of Footshock Stress-Induced Reinstatement

10:00 AM - 11:45 AM

Speaker: Claire Deckers

109. Sex differences in functional cortical organization reflect differences in network topology rather than cortical morphometry

10:00 AM - 11:45 AM

Speaker: Bianca Serio

110. Sexually divergent traits in approach/avoidance strategies transmute the psychedelic experience

10:00 AM - 11:45 AM

Speaker: Giselle Rojas

111. Sex Differences in Non-Motor Deficits in Pink1^{-/-} Rats

10:00 AM - 11:45 AM

Speaker: Mary Kritzer

112. Gendered changes in permanent sterilization among young people following Dobbs v. Jackson Women's Health

10:00 AM - 11:45 AM

Speaker: Jacqueline Ellison

113. The association and contribution of gender-related characteristics to prevalent chronic kidney disease in women and men in a multi-ethnic population

10:00 AM - 11:45 AM

Speaker: Taryn Vosters

114. Quantitative autoradiography of neuroinflammation in Alzheimer's disease reveals significant effects of sex

10:00 AM - 11:45 AM

Speaker: Maricedes Acosta

116. Quantifying femininity and masculinity: gender indices in epidemiological research

10:00 AM - 11:45 AM

Speaker: Aranka Ballering

117. Reducing Atherosclerosis in a Model with Menopause

10:00 AM - 11:45 AM

Speaker: Lin Zhu

118. Decreased expression of Phosphodiesterase 2A underlies different neurodevelopmental phenotypes in males and females

10:00 AM - 11:45 AM

Speaker: Barbara Bardoni

120. NF- κ B Inhibition Negatively Impacts Microvascular Function in Women with Endometriosis

10:00 AM - 11:45 AM

Speaker: Auni Williams

121. Atherosclerotic Cardiovascular Disease Among Insured Adults By Gender Identity

10:00 AM - 11:45 AM

Speaker: Carl Streed

122. Sepsis causes sex-specific alterations in mitochondrial function and reactive oxygen species generation

10:00 AM - 11:45 AM

Speaker: Ibrahim Khodabocus

123. Sex-related differences in participation and trial outcomes in axial spondylarthritis randomized clinical trials: A systematic literature review and meta-analysis

10:00 AM - 11:45 AM

Speaker: Lihi Eder

125. Sex difference in gut hormones and insulin signaling pathway promotes increased body fat in Drosophila females than males

10:00 AM - 11:45 AM

Speaker: Puja Biswas

126. Determination of androgen-induced changes in the proteome of BT-474 breast cancer cells

10:00 AM - 11:45 AM

Speaker: Sergi Clotet Freixas

127. Pregnancy and cardiac arrhythmias: Contribution of atrial remodeling

10:00 AM - 11:45 AM

Speaker: Céline Fiset

128. CHARACTERIZING CEREBROVASCULAR DAMPING FOLLOWING ENVIRONMENTAL AUTONOMIC STIMULATION

10:00 AM - 11:45 AM

Speaker: Tabitha Craig

129. Cortical astrocytes sex-dependently regulate glutamate synapses to alter ethanol consumption and anxiety-like behaviors.

10:00 AM - 11:45 AM

Speaker: Andrea Liss

131. Explaining the difference in drug survival of biologics between female and male psoriasis patients

10:00 AM - 11:45 AM

Speaker: Liana Barenbrug

132. Paternal Consumption of Caloric and Non-Caloric Sweeteners are Associated with Sex-Specific Differences in Reproductive and Metabolic Health in Offspring

10:00 AM - 11:45 AM

Speaker: Michelle kearns

133. Differences between human male and female neutrophils

10:00 AM - 11:45 AM

Speaker: Richard Gomer

134. A NEUROPATHOLOGICAL PROTEIN STUDY ON THE PROGRESSION OF NEUROCOGNITIVE DECLINE FOLLOWING HISTORY OF ADOLESCENT BINGE-DRINKING IN MALE AND FEMALE C57BL/6J MICE

10:00 AM - 11:45 AM

Speaker: Leo Jimenez Chavez

135. Beyond the Binary: Navigating Sex and Gender in Citizen-Partnered Research with Transgender Adults

10:00 AM - 11:45 AM

Speaker: Chantal Rytz

136. Inhibition of NF- κ B Activation Does Not Alter Conduit Artery Endothelial Function in Women with Endometriosis

10:00 AM - 11:45 AM

Speaker: Virginia Content

137. Arterial stiffness and endothelial function in transgender women using gender-affirming estrogen therapy: a cross-sectional study

10:00 AM - 11:45 AM

Speaker: Chantal Rytz

138. Establishing validated algorithms for identifying transgender women and men using routinely collected healthcare administrative data in Alberta, Canada

10:00 AM - 11:45 AM

Speaker: Chantal Rytz

139. Sex Differences in Cognition Exacerbated by Cerebral Small Vessel Disease as a Result of Hypertension

10:00 AM - 11:45 AM

Speaker: Amanpreet Kaur

140. Involvement of galectin-3, a protein linked to female hearing loss, in supporting cell responses to sensory cell pathogenesis in mouse cochleae

10:00 AM - 11:45 AM

Speaker: Bohua Hu

141. Examining sex-specific activation of immature neurons during chronic stress-induced negative cognitive bias

10:00 AM - 11:45 AM

Speaker: Amanda Namchuk

142. Sex differences in cognitive function and underlying neurophysiological mechanisms in mice

10:00 AM - 11:45 AM

Speaker: Kiki Sidiropoulou

143. Unveiling Insights from Nearly 250,000 Women in the NIH All of Us Dataset

10:00 AM - 11:45 AM

Speaker: Rajeev Agarwal

144. Sex- and Gender-Specific Reporting in Literature Informing Clinical Guidelines for Hypertension Management

10:00 AM - 11:45 AM

Speaker: Nabilah Gulamhusein

145. Predictors of Neonatal Near-Miss in Worabe Comprehensive Specialized Hospital, Southern Ethiopia

10:00 AM - 11:45 AM

146. Antipsychotic-induced prolactin elevations and gonadal hormones in men with schizophrenia: divergent effects of testosterone and estrogen on cognition and symptom severity

10:00 AM - 11:45 AM

Speaker: Iris Hamers

148. Sex- and gender-related characteristics in relation to the care burden of family caregivers of persons with dementia

10:00 AM - 11:45 AM

Speaker: Michiel de Graaff

149. Alterations in dopamine system function in the VCD model of perimenopause: relevance to psychosis

10:00 AM - 11:45 AM

Speaker: Stephanie Perez

150. Antenatal magnesium sulfate benefits female preterm infants but results in poor male outcomes

10:00 AM - 11:45 AM

Speaker: R. Holly Fitch

151. Sex-differences in HemoglobinA1c Time-in-Range in a Population-level Cohort of 68,165 Patients with Diabetes in Canada

10:00 AM - 11:45 AM

Speaker: Padma Kaul

153. Studying gender in the experiences of patients with heart failure: a review of evidence and recommendations for future research

10:00 AM - 11:45 AM

Speaker: Elias Thomas

154. Mood sensitivity to allopregnanolone in the menopause transition

10:00 AM - 11:45 AM

Speaker: Bethany Sander

155. Associations of sex hormones with concussion in female athletes and cadets

10:00 AM - 11:45 AM

Speaker: Bryna Goeckner

156. Characterizing Cerebrovascular Damping Damping Environmental Autonomic Stimulation in Females and Males

10:00 AM - 11:45 AM

Speaker: Tabitha Craig

157. Characterizing the effects of estradiol on synapse development in male and female human cerebral organoids

10:00 AM - 11:45 AM

Speaker: Adam Pavlinek

158. Investigation of dopamine signalling in the medial prefrontal cortex during context fear discrimination

10:00 AM - 11:45 AM

Speaker: Liv Engel

159. Understanding Sex- and Gender-Based Drivers of the Excess Risk of Psychotic Disorders Among Migrants

10:00 AM - 11:45 AM

Speaker: Jahin Khan

160. Correlation between pregnancy history and CSF AD biomarkers in cognitively unimpaired postmenopausal women

10:00 AM - 11:45 AM

Speaker: Anna Brugulat

161. Addressing Gender Biases in Clinical Reasoning: A Quantitative Analysis of

Medical Students' Performance in an Objective Structured Clinical Examination

10:00 AM - 11:45 AM

Speaker: Carole Clair

162. Sex-specific mechanisms underlie plasticity at hippocampus-nucleus accumbens synapses

10:00 AM - 11:45 AM

Speaker: Tara LeGates

163. Glomerular filtration rate estimation in transgender adults using gender-affirming hormone therapy: an exploratory cross-sectional study

10:00 AM - 11:45 AM

Speaker: Keila Turino Miranda

164. Neurovascular control of blood pressure in hormone-naïve transgender men: A protocol

10:00 AM - 11:45 AM

Speaker: Keila Turino Miranda

165. The Contextualized Usage of Hormonal Contraception Model: Accounting for Context in Brain and Behavior Research

10:00 AM - 11:45 AM

Speaker: Emily May

166. Cellular targets of estrogen signaling and spatial learning in the mouse hippocampus

10:00 AM - 11:45 AM

Speaker: Aaron Fleischer

167. Does the Y chromosome play a role in neonatal lung injury?

10:00 AM - 11:45 AM

Speaker: Rose Albert

168. Gender stereotypes & hormones modulate visuospatial abilities differently among gender diverse & cisgender people

10:00 AM - 11:45 AM

Speaker: Mina Guérin

169. The reciprocal relationship between aromatase, estrogen, and binge alcohol consumption

10:00 AM - 11:45 AM

Speaker: Lia Zallar

170. Voluntary exercise attenuates stress-induced dorsal raphe serotonergic activity in female rats

10:00 AM - 11:45 AM

Speaker: Simone Mellert

171. Estradiol receptor alpha determines sex-specific cardiovascular responses to intermittent hypoxia

10:00 AM - 11:45 AM

Speaker: Ella Aka

172. Estimating the association between parity and gravidity & blood pressure and hypertension: a protocol

10:00 AM - 11:45 AM

Speaker: Nabilah Gulamhusein

173. Hysterectomy and hypertension risk: protocol for a retrospective population-based cohort study

10:00 AM - 11:45 AM

Speaker: Nabilah Gulamhusein

174. The Role of Sex and Ovarian Hormones in Sleep Loss-Induced Hippocampal Deficits

10:00 AM - 11:45 AM

Speaker: Luisa Epifani

175. Cellular and brain aging in UK Biobank females are associated with menopause-related factors, depression, and APOE ϵ 4 genotype.

10:00 AM - 11:45 AM

Speaker: Arielle Crestol

176. Causal relations between estradiol and depression in females – a Mendelian randomization study

10:00 AM - 11:45 AM

Speaker: Hannah Oppenheimer

177. IMPACT OF INTERMITTENT HYPOXIA AND SEX ON MYOCARDIAL INFARCTION IN A MODEL OF SLEEP APNEA

10:00 AM - 11:45 AM

Speaker: Brittany Blachot-Minassian

178. Investigating mechanisms behind sex specific effects of neurodevelopmental mutations in a *Myt1l*^{+/-} mouse model

10:00 AM - 11:45 AM

Speaker: Sneha Chaturvedi

179. Sex specific functional effects of common and rare autism risk variants

10:00 AM - 11:45 AM

Speaker: Din Selmanovic

180. Sex matters in Systemic Sclerosis: males and females are equal but not the same!

10:00 AM - 11:45 AM

Speaker: Pamela Waked

- 181. High Dimensional Immune Profiling of the Blood in Midlife Healthy Human Males and Females including Females with Surgical Menopause**
10:00 AM - 11:45 AM
Speaker: Haoyang Liu
- 182. Evaluating sex differences in depressive and anxiety-like phenotypes in C57Bl/6 mice using the chronic mild unpredictable stress model**
10:00 AM - 11:45 AM
Speaker: Meagan Hinks
- 183. Two-hit mouse model of neonatal hypoxic ischemic encephalopathy results in developmental delays, transcriptional changes, and sex-dependent decreases in brain volume**
10:00 AM - 11:45 AM
Speaker: Elise Lemanski
- 184. Divergent Sex-Specific Effects of TLR4 and CD14 in Dahl Salt-Sensitive Hypertension**
10:00 AM - 11:45 AM
Speaker: Emily Burns
- 185. Female sex chromosomes contribute to the sex-specificity of the mechanisms of obesity-associated hypertension**
10:00 AM - 11:45 AM
Speaker: Candee Barris
- 186. Dialysis adequacy as a modifiable sex-specific cardiovascular risk factor: A systematic review**
10:00 AM - 11:45 AM
Speaker: Victoria Riehl-Tonn
- 187. Hemodialysis-related quality of life differs by sex and gender**
10:00 AM - 11:45 AM
Speaker: Victoria Riehl-Tonn
- 188. Adolescent Hormonal Contraceptive Administration Impacts Prefrontal Cortex Maturation and Risk-Assessment in Female Rats.**
10:00 AM - 11:45 AM
Speaker: Rachel Gilfarb
- 189. Pattern separation performance varies across the menstrual cycle**
10:00 AM - 11:45 AM
Speaker: Mateja Perovic
- 190. Sex differences in the effects of adverse childhood experiences on cognition along the Alzheimer's disease continuum**
10:00 AM - 11:45 AM
Speaker: Mateja Perovic
- 191. A cross-species analysis of neuroanatomical covariance sex differences**
10:00 AM - 11:45 AM
Speaker: Linh Pham
- 193. Beyond Pill count: Navigating Pain Medication Risks with a Sex and Gender Lens**
10:00 AM - 11:45 AM
Speaker: Marimee Godbout-Parent
- 194. Regulation of Stress and Mood in a Mouse Model of Oral Contraceptives**
10:00 AM - 11:45 AM
Speaker: Kristen Schuh
- 195. Sex Differences in the Response of Aortic Valve Interstitial Cells to TNF α**
10:00 AM - 11:45 AM
Speaker: Ashley Scott Patterson
- 196. A substantia nigra to dorsolateral striatum pathway mediates the effects of female estrous cycle on fear extinction and is a novel target for the prevention of fear relapse**
10:00 AM - 11:45 AM
Speaker: Alyssa Hohorst
- 197. Sex differences in probable depression over 12 months among youth in South Africa**
10:00 AM - 11:45 AM
Speaker: Tatiana Pakhomova
- 198. Estradiol, through the ER β and GPER, Protects Females from Neurovascular Coupling Impairment Induced by Interleukin-17A**
10:00 AM - 11:45 AM
Speaker: Jessica Youwakim
- 199. Sex-specific inclusion of patients with cardiovascular disease in exercise research in Canada: a rapid review**
10:00 AM - 11:45 AM
Speaker: Isabela Marcal
- 200. Past Oral Contraceptive Use and Age at Initiation Relate to Late Life Cognition**
10:00 AM - 11:45 AM
Speaker: Pallavi Chandrasekhar
- 201. Sex differences in the impact of the Community Paramedicine at Clinic (CP@clinic) Program on the health status and quality of life of older adults**
10:00 AM - 11:45 AM
Speaker: Jasdeep Brar
- 202. Male bias towards apoptotic response to inflammation through sex-biased lncRNA RP-11 and IGFBP3 mediation in keratinocytes highlights a potential mechanism for sex-**

differences increasing risk for autoimmunity

10:00 AM - 11:45 AM

Speaker: Kam Kennicott

204. Sex differences in brain activity and functional connectivity impact of GLP-1 and amylin in awake rats

10:00 AM - 11:45 AM

Speaker: Karolina Skibicka

205. Brain sex in the limbic system as phenotype for pubertal development

10:00 AM - 11:45 AM

Speaker: Gloria Matte Bon

206. Drug targets for female hormone therapy and risk of neuropsychiatric disorders: a Mendelian randomisation study

10:00 AM - 11:45 AM

Speaker: Louise Schindler

207. Synergism between Lewy body and Alzheimer's disease pathologies differs by sex

10:00 AM - 11:45 AM

Speaker: Madeline Wood Alexander

11:45 AM - 1:15 PM

EDI Luncheon & Lecture - Finding the Light then Being the Light: Surviving Academia and Better Supporting Historically Marginalized Folks in Science

Location: Kongresal 1-4

Speaker: Angeline Dukes

1:15 PM - 3:00 PM

Elizabeth Young New Investigator Symposium

Location: Kongresal 1-4

Introduction

1:15 PM - 1:25 PM

Efficacy and safety of psilocybin for peripartum mood disorders

1:26 PM - 1:43 PM

Speaker: Cassandra Hatzipantelis

Q&A I

1:43 PM - 1:48 PM

Prenatal alcohol and cannabinoid exposures impose distinct, sex-specific behavioral phenotypes of coordination and alcohol-seeking in adult mouse offspring.

1:49 PM - 2:06 PM

Speaker: Siara Rouzer

Q&A II

2:06 PM - 2:11 PM

Sex Differences in the Response of Aortic Valve Interstitial Cells to TNFa

2:12 PM - 2:29 PM

Speaker: Ashley Scott Patterson

Q&A III

2:29 PM - 2:34 PM

Sex chromosome complement and gonadal hormones differentially contribute to the sex bias in the maternal immune activation mouse model of autism

2:35 PM - 2:52 PM

Speaker: Stephanie Salia

Q&A IV

2:52 PM - 3:00 PM

3:00 PM - 3:15 PM

Break

Location: Foyers

3:15 PM - 5:00 PM

Hot Topics from Biology of Sex Differences

Location: Kongresal 1-4

Chair: Jill Becker

Sex and gender differences in human brain

3:15 PM - 3:35 PM

Speaker: Anagha Joshi

X chromosome inactivation skewing is common in advanced carotid atherosclerotic lesions in females and predicts secondary peripheral artery events

3:35 PM - 3:55 PM

Speaker: Ernest Diez Benavente

Sex-specific associations of matrix metalloproteinases in Alzheimer's disease

3:55 PM - 4:15 PM

Speaker: Mari Aksnes

Sex differences in distribution and identity of aromatase gene expressing cells in the young adult rat brain

4:15 PM - 4:35 PM

Speaker: Erika Comasco

Cocaine-induced sensitization and glutamate plasticity in the nucleus accumbens core: Effects of sex

4:35 PM - 5:00 PM

Speaker: Carrie Ferrario

3:15 PM - 5:00 PM

Moving the Dial on Promoting Brain Health Through Modifiable Risk Factors: Can Considering Sex Get us There?

Location: Dræggen 8

Chair: Cindy Barha, Erin Sundermann

The role of sleep apnea and hypertension on tau pathology and memory in older women

3:15 PM - 3:40 PM

Speaker: Kitty Lui

Exercising for brain health: Examining the mechanisms underlying the sex difference in exercise efficacy with humans and rodents

3:40 PM - 4:05 PM

Speaker: Cindy Barha

Sex differences in the neurocognitive effects of fitness and exercise

4:05 PM - 4:30 PM

Speaker: Kirk Erickson

Leveraging existing Alzheimer's clinical trials datasets to investigate sex-specific response to treatment (LEADERS study)

4:30 PM - 5:00 PM

Speaker: Judy Pa

3:15 PM - 5:00 PM

Sex Hormones and Their Impact on Vascular and Metabolic Aging: Insights and Implications

Location: Vågen

Chair: Rosh Rahimi, Mitra Esfandiarei

Sex differences in diabetic vascular dysfunction: A deep dive into diabetes-induced vascular aging in males vs females and the impact of exercise

3:15 PM - 3:40 PM

Speaker: Rosh Rahimi

Sex differences in marfan syndrome-associated vascular complications: A model for premature vascular aging

3:40 PM - 4:05 PM

Speaker: Mitra Esfandiarei

Sex differences in cardiovascular and metabolic effects of androgens and the impact of aging: The good, the bad, and the ugly

4:05 PM - 4:30 PM

Speaker: John Stallone

Sex related susceptibility to fatty liver in response to high fat diet supplemented with liquid fructose

4:30 PM - 5:00 PM

Speaker: Roger Bentanachs

5:00 PM - 5:00 PM

Dinner On Your Own

5:15 PM - 6:30 PM

OSSD Council Meeting (Closed)

6:30 PM - 8:00 PM

CIHR-IGH Trainee Award Event (Closed)

Location: 26 North Social Club

Wed, May 08, 2024

7:00 AM - 5:00 PM

Registration

8:30 AM - 9:45 AM

Education Panel: Measurement of Sex and Gender

Location: Kongresal 1-4

Speakers: Sofia Ahmed, Colleen Norris, Lara Wierenga

10:00 AM - 11:45 AM

Sex Differences in Aging

Location: Vågen

Neurogenesis and its downstream synaptic targets mediate sex differences in contextual fear discrimination in advanced aged mice

10:00 AM - 10:25 AM

Speaker: Victor Luna

A meta-analysis of sex differences in longitudinal tau-PET in clinically normal adults

10:25 AM - 10:50 AM

Speaker: Dr. Rachel Buckley

Iron overload induces cerebral endothelial senescence in aged mice and in primary culture in a sex-dependent manner

10:50 AM - 11:15 AM

Speaker: Jose Moruno

Heat vulnerability in the context of global warming: Sex differences in older adults

11:15 AM - 11:45 AM

Speaker: Olivia Leach

10:00 AM - 11:45 AM

Citizen-Partnered Research: What are the Sex and Gender Implications?

Location: Dræggen 8

Chair: Tom Stelfox

Citizen experiences with partnered research

10:00 AM - 10:25 AM

Speaker: Marie-Maxime Bergeron

Citizen partnered research: What is the evidence?

10:25 AM - 10:50 AM

Speaker: Stephana Moss

Sex, gender and participatory research with youth

10:50 AM - 11:15 AM

Speaker: Jeanna Parsons Leigh

Beyond the binary: Navigating sex and gender in citizen-partnered research with transgender adults

11:15 AM - 11:45 AM

Speaker: Chantal Rytz

10:00 AM - 11:45 AM

Interactions Between Ovarian Hormones and Substance Use Disorder (SUD)

Location: Kongresal 1-4

Chair: Wendy Lynch

The role of ovarian hormone cycles on stimulant effects in the dopamine reward system

10:00 AM - 10:25 AM

Speaker: Eleanor Holmgren

Roles for sex chromosome complement and gonads in drug-related behavior

10:25 AM - 10:50 AM

Speaker: Emilie Rissman

Influence of ovarian hormones on opioid-induced subjective effects and antinociception in women

10:50 AM - 11:15 AM

Speaker: Justin Strickland

Cannabis use in pregnancy: Sex-specific associations with perinatal outcomes and neurodevelopment in offspring

11:15 AM - 11:45 AM

Speaker: Daniel Corsi

11:45 AM - 1:15 PM

Funder Forum Lunch

Location: Kongresal 1-4

Panel: Chyren Hunter, Angela Kaida, Liisa Galea, Kathleen Morrison

1:15 PM - 3:00 PM

NIH ORWH SCORE Program: Sex Differences in Dietary Response, Hypertension, and the Microbiome

Location: Dræggen 8
Chair: Rajeev Agarwal

Introductory remarks by the Chair

1:15 PM - 1:25 PM
Speaker: Rajeev Agarwal

ORWH Specialized Centers of Research Excellence (SCORE) on Sex Differences as drivers of advancements in women's health

1:25 PM - 1:45 PM
Speaker: Chyren Hunter

Sex differences in cardiometabolic disease: The impact of sex chromosomes and gonads

1:45 PM - 2:05 PM
Speaker: Karen Reue

Sex differences in brain-gut microbiome interactions in irritable bowel syndrome

2:05 PM - 2:25 PM
Speaker: arpana Gupta

High-fat diet enhances blood pressure sensitivity of females to salt relative to males

2:25 PM - 2:45 PM
Speaker: Jennifer Sullivan

1:15 PM - 3:00 PM

Mapping Sex Differences in Brain Organization Across Species and Spatial Scales

Location: Vågen
Chair: Armin Raznahan, Allan MacKenzie-Graham

Sex and the mouse brain: Effects of gonads, X and Y chromosomes, and developmental timing

1:15 PM - 1:40 PM
Speaker: Jason Lerch

Dissecting sex-biasing factors in brain gene regulation at spatial and single cell resolutions

1:40 PM - 2:05 PM
Speaker: xia Yang

Cross-species neuroimaging study of sex differences on the human and mouse brain

2:05 PM - 2:30 PM
Speaker: Elisa Guma

Sex-differences in the common genetic architecture of the human brain anatomy

2:30 PM - 3:00 PM
Speaker: Rebecca Shafee

1:15 PM - 3:00 PM

Sex-Differences in the Developmental Programming of Cardio Metabolic Disease

Location: Kongresal 1-4
Chair: Stephane Bourque, Jennifer Thompson

Intergenerational impacts of women's health on offspring health

1:15 PM - 1:40 PM
Speaker: Dana Dabelea

We are products of our (intrauterine) environment: How developmental exposure to maternal obesity programs cardiometabolic disease risk in a sex-specific manner

1:40 PM - 2:05 PM
Speaker: Taylor Scheidl

Sweet Child O' Mine: The impact of sweetener exposure on metabolic outcomes in mothers and offspring

2:05 PM - 2:30 PM
Speaker: Clare Reynolds

Sex Differences for the impact of developmental origins of cardiovascular disease

2:30 PM - 3:00 PM
Speaker: Sandra Davidge

3:15 PM - 5:00 PM

NIH ORWH Science Policy Travel Award program

Location: Dræggen 8
Chair: Samia Noursi

Armed Conflict and Women's Intimate Partner Violence Risk in Colombia

3:15 PM - 5:00 PM
Speaker: Mayte Restrepo

3:15 PM - 5:00 PM

Sex Differences in Molecular Mechanisms Mediating Drug Taking and Seeking Behaviors

Location: Vågen
Chair: Sunila Nair, Wendy Lynch

Neurobiological mechanisms of the telescoping effect in females for the development of an cocaine addiction-like phenotype

3:15 PM - 3:40 PM
Speaker: Wendy Lynch

Sex differences in the role of glutamate receptor trafficking proteins in cocaine seeking

3:40 PM - 4:05 PM
Speaker: Lisa Briand

Estradiol regulation of prefrontal cortex activity and drug seeking

4:05 PM - 4:30 PM
Speaker: Elizabeth Doncheck

Sex differences in how social status influences the molecular mechanisms mediating cocaine reinforcement in nonhuman primate models

4:30 PM - 5:00 PM
Speaker: Michael Nader

3:15 PM - 5:00 PM

Local Session - Towards an Understanding of Sex/Gender Differences in Mental Health and Cognition: A Lifespan Perspective

Location: Kongresal 1-4
Chair: Claudia Barth

Development of emotional problems from childhood to adolescence: Exploring sex differences with longitudinal network analysis

3:15 PM - 3:40 PM
Speaker: Eira Aksnes

Sex/gender differences in cognitive abilities

3:40 PM - 4:05 PM
Speaker: Marco Hirnstein

Sex differences in social cognition in schizophrenia

4:05 PM - 4:30 PM
Speaker: Anja Vaskinn

Sex effects on DNA methylation affect discovery in epigenome-wide association study of schizophrenia

4:30 PM - 5:00 PM
Speaker: Markos Woldeyohannes

6:30 PM - 8:30 PM

Awards Dinner

Location: Kongresal 1-4

Thu, May 09, 2024

7:00 AM - 12:00 PM

Registration

8:30 AM - 9:45 AM

Capstone Lecture: Sex Differences in Cardiac Disease

Location: Kongresal 1-4
Speaker: Eva Gerdtts

10:00 AM - 11:45 AM

IGM Symposium

Location: Kongresal 1-4

Application and dissemination of gender medicine in Italy: The role of Italian National Institute of Health

10:00 AM - 10:25 AM
Speaker: Elena Ortona

Nationwide implementation of output of a 4-year Gender & Health Programme in the Netherlands

10:25 AM - 10:50 AM
Speaker: Margot Morssinkhof

Vascular elasticity and risk factors leading to arterial stiffness in women

10:55 AM - 11:20 AM
Speaker: Ute Seeland

The implementation of a Rodent Model of Gender-Affirming Hormone Therapies to Identify Susceptibility and Vulnerability of Transgender People in the Chemical Risk Assessment

11:20 AM - 11:45 AM
Speaker: Francesca Maranghi

10:00 AM - 11:45 AM

Brains in transition: The Effect of Sex and Gender

Location: Dræggen 8
Chair: Birgit Derntl, Claudia Barth

Sex and gender uniquely influence brain networks in children

10:00 AM - 10:25 AM
Speaker: Elvisha Dhamala

Understanding vulnerability through variability: A longitudinal twin study linking sex differences in neurodiversity, neurodevelopment, and X-linked genetic mechanisms.

10:25 AM - 10:50 AM
Speaker: Lara Wierenga

Sex differences in motivation: Hormonal modulation of cost-benefit decision-making

10:50 AM - 11:15 AM
Speaker: Melina Grahlow

Sex differences in cardiometabolic risk and brain age in midlife and older adulthood

11:15 AM - 11:45 AM
Speaker: Sivaniya Subramaniapillai

10:00 AM - 11:45 AM

Biologically-Based Sex Differences Driving Precision Health Strategies for Women's Heart Disease

Location: Vågen
Chair: Jennifer Dungan, Katelyn Bruno

Overview of the biologic basis for sex differences in women's heart disease

10:00 AM - 10:25 AM
Speaker: C. Noel Bairey Merz

Sex-associated genomic biomarkers in ischemic heart disease

10:25 AM - 10:50 AM
Speaker: Jennifer Dungan

Sex specific biomarkers in myocarditis

10:50 AM - 11:15 AM
Speaker: DeLisa Fairweather

Sex differences in risk factors of CVD: Precision health strategies for cardiovascular care

11:15 AM - 11:45 AM
Speaker: C. Noel Bairey Merz

11:45 AM - 1:15 PM

Networking Lunch