



ORGANIZATION FOR THE
STUDY OF SEX DIFFERENCES

Founded by the Society for Women's Health Research

Detailed Program 2014 Annual Meeting

Thursday, April 24

8:00am – 9:00 am: Breakfast – Meridian Foyer

9:00 am – 12:00 pm: Workshop: “Inflammation 101” – Meridian III/IV Ballroom

Co-Chairs: Sally Huber & Sabra Klein

Eleanor Fish – “Sex Differences in the Immune System” *

Sally Huber – “Effects of Estrogens, Androgens, and Progestogens on Immune Responses”

Shannon Dunn – “Sex Differences in Autoimmune Disease” *

Jackie Schwarz – “Diseases of the CNS and Mental Health”

DeLisa Fairweather – “Inflammation and Cardiovascular Disease”

Kathryn Sandberg – “Inflammation and Renal Diseases”

Sabra Klein – “Inflammation and Pulmonary Diseases”

12:00 pm – 1:00 pm: Free Time

1:00 pm – 1:15 pm: Welcome and Introductions – Meridian III/IV Ballroom

1:15 pm – 2:15 pm: Presidential Keynote Address – Meridian III/IV Ballroom

Jayne Danska, Hospital for Sick Children, Toronto –

“Sex Differences in the Gut Microbiome

Drive Hormone-Dependent Regulation of Autoimmunity” *

2:15 pm – 3:15 pm: Elizabeth Young New Investigator Symposium – Meridian III/IV Ballroom

Joel Berletch, PhD – “Survey of Escape from X Inactivation in Mouse Tissues”

Stephanie Correa, PhD – “A Subset of Estrogen-responsive Hypothalamic Neurons Promotes Physical Activity and Maintains Energy Balance in Females”

Ke Liu, BS – “X Chromosome Dose and Sex Bias in Autoimmune Diseases: Increased 47, XXX in Systemic Lupus Erythematosus and Sjögren’s Syndrome”

3:15 pm – 3:30 pm: Coffee Break – Meridian Foyer

3:30 pm – 5:30 pm: Presidential Symposium – Meridian III/IV Ballroom

Sex Differences in the Brain - A Whole Body Perspective

Chair: Geert de Vries

Nancy Forger – “What the Sexually Dimorphic Body Tells the Brain”

Tracy Bale – “Sex Differences in the Placenta and the Role of OGT in Neurodevelopment”

Debbie Clegg – “Hypothalamic PGC-1 α Protects Against High Fat Diet Exposure by Regulating ER α ”

5:30 pm – 8:00 pm: Poster Session I and Welcome Reception – Meridian II Ballroom and Foyer

Friday, April 25

7:30 am – 8:30 am: Breakfast – Meridian Foyer

8:30 am – 10:30 am: Symposium I & II

Symposium I: Renovating the Research Pipeline to Include Sex & Gender: How can Research Institutions be Transformational? – Meridian I Ballroom

Co-Chairs: Joy Johnson & Janine Clayton

Joy Johnson – “Working to Change Research Funding Institutions”

Janine Clayton – “Integrating the Study of Sex Differences in a National Research Agenda”

Shirin Heidari – “Shifting Minds: Inclusion of Sex/Gender for Better Standards of Science Reporting”

Symposium II: Sex-Gender Differences in Eating Disorders – Meridian III/IV Ballroom

Chair: Debora Romano

Debora Romano – “Gender Differences in Clinical Complications of Chronic Anorexia”

Christine Tarabbia – “The Impact of Sex Hormones on Energetic Homeostasis”

Emilia Manzato – “Sex-Gender Differences in Psychiatric Aspects of Anorexia and Bulimia”

10:30 am – 10:45 am: Coffee Break – Meridian Foyer

10:45 am – 12:45 pm Symposium III & IV

Symposium III: Sex Differences in Drug & Device Development – Meridian I Ballroom

Chair: Emmanuel Fadiran

Pamela Scott – “Addressing Sex Differences in FDA-Regulated Products: Drugs”

Nada Hanafi – “Sex Differences in Devices Approved by the FDA”

LT James Coburn – “Investigating the mechanical causes of increased metal-on-metal hip implant failure rates in women”

Tina Morrison – “Gender Disparities in Endovascular Treatment Options for Infrarenal Abdominal Aortic Aneurysms”

Symposium IV: Sex Differences in Neural Development during Adolescence and Affective Disorder Vulnerabilities – Meridian III/IV Ballroom

Chair: Janice Juraska

Janice Juraska – “Sex Differences & Hormonal Differences Influences during Adolescence On the Cerebral Cortex and its Connectivity”

Susan Andersen – “The Trajectories of Sex Differences in Adolescent Development and the Emergence of Depression across Species”

Cecile Ladouceur – “Adolescent Fronto-limbic Development, Puberty and Affective Disorders”

12:45 pm – 2:00 pm: Free Time

2:00 pm – 4:00 pm: Symposium V & VI

Symposium V: Sex Differences in the Microbiome: Urinary Tract Infections – Meridian I Ballroom

Chair: Jeffrey Henderson

Thomas J. Hannan – “Understanding urinary bladder mucosal immunity during UTI: opportunities for new therapeutic strategies”

Peter J. Mucha & Jeffrey P. Henderson – “Virulence Network Detection in a Mixed Male And Female Urinary Tract Infection Population”

Amanda Lewis – “Influence of the Vaginal Microbiota on Genitourinary Health and Disease”

Symposium VI: Influence of Sex & Other Individual Differences on Addiction – Meridian III/IV Ballroom

Chair: Marilyn Carroll

Dorothy Hatsukami – “Sex Differences in Treatment for Smoking with Quest Cigarettes vs. Nicotine Patch”

Kelly Klump – “Sex Differences in Binge Eating and Eating Disorder Phenotypes: Critical Roles for Puberty and Gonadal Hormones”

Jill Becker – “Sex Differences in the Development of a Preference for Cocaine vs. Tasty Treats: Neurochemistry & Behavior”

Marilyn E. Carroll – “Sex and Other Individual Differences: Effect on Vulnerability and Treatment for Addiction”

4:00 pm – 6:00 pm: Poster Session II – Meridian II Ballroom

Saturday, April 26

7:30 am – 8:30 am: Breakfast – Meridian Foyer

8:30 am – 10:30 am: Symposium VII & VIII

Symposium VII: Mechanisms of Sex-Specific Risk for Cardiovascular Disease – Meridian I Ballroom

Co-Chairs: Patricia Nguyen & Jennifer Tremmel

Mansoureh Eghbali – “The Number of X Chromosomes Influences Protection from Cardiac Ischemia/reperfusion Injury in Mice: One X is Better than Two”

Muthuvel Jayachandran – “Sex Differences in Blood-borne Extracellular Vesicles in Cardiovascular Health and Disease”

Elena Ladich – “Sex Differences in Coronary Plaque”

Symposium VIII: The Role of Aromatase in Human Sex Differences – Meridian III/IV Ballroom

Chair: Anat Biegon

Anat Biegon – “Organ-specific Expression and Regulation of Aromatase in Males and Females: Observations and Speculations”

Nelly Alia-Klein – “Sex-specific Role of Aromatase in Amygdala for Personality in Females and for Learning in Males”

Tom Hildebrandt – “A Role for Aromatization in the Expression of Eating, Impulsive, and Aggressive Psychopathology”

10:30 am – 10:45 am: Coffee Break – Meridian Foyer

10:45 am - 12:45 pm: Symposium IX & X

Symposium IX: Gonadal Regulation of Immune Dysfunction in the Central Nervous System, Vasculature and Kidney – Meridian I Ballroom

Chair: Kathryn Sandberg

Shannon Dunn – “Puberty in Females Enhances the Risk of an Outcome of Multiple Sclerosis in Children and the Development of Central Nervous System Autoimmunity in Mice”

Kathryn Sandberg – “Sex-specific T cell Modulation of Hypertension”

Carolyn Ecelbarger – “17-beta Estradiol Regulation of Interleukin-6 in Renal Ischemia And Atherosclerosis”

Symposium X: Differences in Gender Development: What Have We Learned from Patients with DSD? – Meridian III/IV Ballroom

Co-Chairs: Eric Vilain & Arthur P. Arnold

Kenneth Zucker – “Gender Identity Differentiation in Girls with or without a Disorder of Sex Development”

David Sandberg – “Clinical Management of DSD: Factors Shaping Gender Development and Health-related Quality of Life”

Heino Meyer-Bahlburg – “On the 'Social' in Bio-psycho-social Factors Contributing to Gender Development”

12:45 pm – 2:15 pm: Free Time

2:15 pm – 4:15 pm: Plenary Round Table: Sex Beyond the Gonad

Meridian III/IV Ballroom

Co-Chairs: Marcia Stefanick, Margaret McCarthy, Daphna Joel

Marcia Stefanick – “Sexual Differentiation: Permanence versus "Plasticity" from Gonads to the Brain”

Margaret M. McCarthy – “The Brain is a Mosaic: Regional Variation in Sexual Differentiation of the Brain”

Daphna Joel – “Misconceptions of Sex beyond the Genitalia”

Discussants: Arthur P. Arnold, Geert de Vries

4:15 pm – 5:15 pm: Keynote Address – Meridian III/IV Ballroom

Jens Pruessner, McGill Centre for Aging: “Sex & Gender Differences in Stress & Aging” *

5:15 pm – 6:30 pm: General OSSD Membership Meeting – Meridian III/IV Ballroom

6:30 pm – 7:00 pm: Cocktail Reception – McNamara Alumni Center

7:00 pm – 9:00 pm: OSSD Awards Banquet – McNamara Alumni Center

Live music performed by The Gentlemen’s Anti-Temperance League

* Denotes presentations supported by the **CIHR Institute for Gender and Health**