



ORGANIZATION FOR THE
STUDY OF SEX DIFFERENCES

**Third Annual Meeting
June 4 – 6, 2009
Marriott Toronto Downtown Eaton Centre Hotel
525 Bay Street
Toronto, Ontario M5G 2L2
Canada**

Thursday, June 4th

- 12:00 – 3:00 pm Satellite Workshop (Trinity V)
Sex Cells But Gender Matters: New Frontiers in Health Research
Chair: Donna Stewart, M.D., Ph.D., F.R.C.P.C. (University of Toronto)
- 12:00 – 4:00 pm OSSD Meeting Registration (Pre-function Area)
Exhibit set up (Grand Ballroom A/B)
- 4:00 – 5:00 pm **Opening Keynote Lecture** (Grand Ballroom C/D/Crush)
Jeannie T. Lee, M.D., Ph.D. (Massachusetts General Hospital):
New lessons from the X-inactivation Paradigm
- 5:00 – 7:00 pm **Symposium I** (Grand Ballroom C/D/Crush)
Sex Differences in Pharmacokinetics / Pharmacodynamics and Drug Development
Chair: Wolfgang Sadée, Dr.rer.nat (The Ohio State University)
Speakers:
Wolfgang Sadée, Dr.rer.nat (The Ohio State University): Sex Differences In Drug Disposition And Response, And Modulation By Genetic Polymorphisms: An Overview
Yingying Guo, Ph.D. (Eli Lilly and Company): Consideration Of Sex Differences In Preclinical And Clinical Drug Development
Shashi G. Amur, Ph.D. (FDA, Center for Drug Evaluation and Research): A Search For Sex Differences And Disease Etiology In The Gene Expression Profiles Of Systemic Lupus Erythematosus (SLE) Patients: Genomics Approach To Drug Development
Kathleen Uhl, M.D. (FDA, Office of Women's Health): Regulatory Aspects Of Sex Differences In Drug Development
- 7:00 pm Reception (Trinity I-III)

Friday, June 5th

- 7:00 - 9:00 am Breakfast (Trinity I-III)

8:00 -10:00 am

Symposium II (Grand Ballroom C/D/Crush)

Childhood Obesity: Sex Differences in Manifestations and Mechanisms

Chairs: Amy B. Wisniewski, Ph.D. (University of Oklahoma Health Sciences Center) and Steven D. Chernausk, M.D. (University of Oklahoma Health Sciences Center)

Speakers:

Carolyn Bondy, M.D. (National Institute of Child Health and Development, NIH): X Chromosome And Regional Adiposity

Nancy Crimmins, M.D. (Cincinnati Children's Hospital Medical Center): Sex Differences In Stability Of Body Mass In Adolescents

Megan Moriarty, M.D. (University of Colorado Denver/The Children's Hospital): Sex Differences In Pubertal Onset And Progression In Obese Children

Robert D. Roghair, M.D. (University of Iowa): Sex Differences In Programmed Metabolic And Cardiovascular Disease

10:00 - 10:30 am

Break, posters and exhibits open (Grand Ballroom A/B)

10:30- 12:30 pm

Symposium III (Grand Ballroom C/D/Crush)

Sex Chromosomes and Autoimmunity

Chair: Pietro Invernizzi, M.D., Ph.D. (University of California at Davis and Istituto Clinico Humanitas, Rozzano)

Speakers:

Pietro Invernizzi, M.D., Ph.D. (University of California at Davis and Istituto Clinico Humanitas, Rozzano): X Chromosome Defects In Autoimmune Diseases

Julia Upton, B.Sc., M.D., FRCP(C) (Hospital for Sick Children): X Linked Immunodeficiencies And Autoimmunity

R. Hal Scofield, M.D. (Oklahoma Medical Research Foundation): Autoimmunity And Klinefelter's Syndrome: When Men Have Two X Chromosomes

Daniela Larizza, M.D. (Università di Pavia): Autoimmunity in Turner Syndrome: When a Woman Lacks an X Chromosome

12:30 – 2:00 pm

2:00 – 4:00 pm

Symposium IV (Grand Ballroom C/D/Crush)

Sex and Gender Differences in Progenitor and Stem Cells: Implications for Tissue Injury, Repair and Regeneration

Chair: Doris A. Taylor, Ph.D. (University of Minnesota)

Speakers:

Marie Csete, M.D., Ph.D. (California Institute for Regenerative Medicine): Sex Issues In Transplantation

Leslie A. Leinwand, Ph.D. (University of Colorado): How Diet And Sex Change The Genetic Landscape Of The Heart

Johnny Huard, Ph.D. (University of Pittsburgh): Sex Based Difference In Tissue Regeneration And Repair With Muscle Stem Cells

Doris A. Taylor, Ph.D. (University of Minnesota): Sex Differences In Cell Therapy For Vascular Repair: Preclinical Results And Early Clinical Hints

4:00 – 5:00 pm

OSSD Annual Membership Meeting (Grand Ballroom C/D/Crush)

5:00 – 7:00 pm

Poster Session I (Grand Ballroom A/B)

Saturday, June 6th

7:00 -9:00 am

Breakfast (Trinity I-III)

8:00-10:00 am

Symposium V (Grand Ballroom C/D/Crush)

Sex-Based Cerebral Vascular Biology and Stroke

Chair: Patricia Hurn, Ph.D. (Oregon Health and Science University)

Speakers:

Louise D. McCullough, M.D. (University of Connecticut Health Center): Sex Differences In Stroke: Clinical And Experimental Aspects

Diana N. Krause, Ph.D. (University of California, Irvine): Sex Differences And Sex Steroid Effects In Cerebral Blood Vessels

Patricia Hurn, Ph.D. (Oregon Health and Science University): Sex Steroids As Modulators Of Ischemic Brain Injury

James W. Simpkins, Ph.D. (University of North Texas Health Sciences Center): Sex, Steroids And Brain Injury

10:00- 10:30 am

Break and poster viewing/exhibits (Grand Ballroom A/B)

10:30- 12:30 pm

Symposium VI (Grand Ballroom C/D/Crush)

Sex and Gender Differences in Knee Osteoarthritis (OA)

Chairs: Barbara D. Boyan, Ph.D. (Georgia Institute of Technology) and Laura Tosi, M.D. (George Washington University)

Speakers:

Daniel P. Nicolella, Ph.D. (Southwest Research Institute): The Relationship Between Osteoporosis And Osteoarthritis

Amy Lerner, Ph.D. (University of Rochester): Obesity And Gender-Related Effects On Knee Biomechanics And Osteoarthritis: An Interplay Of Biological And Mechanical Factors

Wendy M. Kohrt, Ph.D. (University of Colorado, Denver): Clinical Evidence for Relationships of Physical Activity, Obesity, and Gender With OA

Mary I. O'Connor, M.D. (Mayo Clinic): Sex And Gender Difference In Knee Osteoarthritis: Clinical Symptoms And Surgical Outcomes

12:30 – 2:00 pm

Lunch (Trinity I-III)

2:00 – 4:00 pm

Symposium VII (Grand Ballroom C/D/Crush)

Sex Differences in Cognition

Chairs: Jill B. Becker, Ph.D. (University of Michigan) and Agnes Lacreuse, Ph.D. (University of Massachusetts)

Speakers:

Csaba Leranth, M.D., Ph.D. (Yale University): Sex Differences And Similarities In The Response Of The Brain To Gonadal Hormones And Bisphenol A

Victoria N. Luine, Ph.D. (Hunter College of CUNY): Gonadal Hormones Influence Cognition In Rats Over The Lifespan

Agnès Lacreuse, Ph.D. (University of Massachusetts): Sex Hormones And Cognition In Nonhuman Primates

Monique Cherrier, Ph.D. (University of Washington): Androgens, Estrogens And Cognition In Humans: Complex Relationships

4:00 – 6:00

Poster Session II (Grand Ballroom A/B)

6:00 – 7:00 pm

Closing Keynote Lecture (Grand Ballroom C/D/Crush)

Virginia M. Miller, Ph.D. (College of Medicine, Mayo Clinic): Remember The "GIRLS": Sex-Based Differences In Vascular Function

7:00 pm

Awards Banquet (Trinity I-III)