



**ORGANIZATION FOR THE
STUDY OF SEX DIFFERENCES**

OSSD Second Annual Meeting June 4–6, 2008

Chateau Sonesta Hotel
800 Iberville Street, New Orleans, LA

WEDNESDAY, JUNE 4

12:00 - 2:00 pm

Ancillary Event:

“Interview Without Fear: How to Talk to Print and Broadcast Reporters”

John Seng, Spectrum Science Public Relations

2:00 - 4:00 pm

OSSD Meeting Registration

Exhibit Set-up

4:00 - 5:00 pm

Keynote Lecture

Huntington Willard, Ph.D., Duke University

“Sex and Genomes: Differences, Phenotypes and Mechanisms”

5:00 - 7:00 pm

Symposium I: The X Chromosome and X-Linked Disorders

Chair: Jun Xu, Ph.D., Tufts University

Speakers:

- **Carolyn J. Brown, Ph.D.**, University of British Columbia
“XIST and X Chromosome Inactivation in Humans”
- **Christine M. Disteche, Ph.D.**, University of Washington
“Dosage Compensation of the X Chromosome and Differences Between Males and Females”
- **Barbara R. Migeon, M.D.**, Johns Hopkins University
“Single Active X, Cellular Mosaicism and Sex Differences in Disease”

- **Terry R. Brown, Ph.D.**, Johns Hopkins Bloomberg School of Public Health
“Androgen Insensitivity Syndromes: Paradox of Phenotypic Feminization with Male Genotype and Normal Testicular Androgen Secretion”

7:00 pm

Reception

THURSDAY, JUNE 5

7:00 - 9:00 am

Breakfast

8:00 - 10:00 am

Symposium II: Sex Differences in Vascular and Renal Disease

Chair: Kathryn Sandberg, Ph.D., Georgetown University

Speakers:

- **Meredith Hay, Ph.D.**, University of Iowa
“The Role of Central Estrogen Receptors in Aldosterone-Induced Hypertension in Male and Female Conscious Rats”
- **Raouf A. Khalil, M.D., Ph.D.**, Harvard University
“Mechanisms Contributing to Sex Differences in Age-Associated Hypertension and Vascular Dysfunction”
- **Mark C. Chappell, Ph.D., FAHA**, Wake Forest University School of Medicine
“Influence of Gender on Salt-Dependent Increases in Blood Pressure and Renal Injury in the Congenic mRen2.Lewis Strain”
- **Sharon J. Elliot, Ph.D.**, University of Miami
“Signaling Pathways in Diabetic and Age-Related Glomerulosclerosis”

10:00 - 10:30 am

Break, Posters and Exhibits Open

10:30 am - 12:30 pm

Symposium III: Sex Differences in Sleep

Chair: Jessica A. Mong, Ph.D., University of Maryland School of Medicine

Speakers:

- **Namni Goel, Ph.D.**, University of Pennsylvania, School of Medicine
"Sex Differences in Objective and Subjective Sleep Measures in Healthy Adults"
- **Ketema N. Paul, Ph.D.**, Morehouse School of Medicine
"Hormone Replacement in Mice Restores Sex Differences in the Ability of Stress to Augment Sleep"
- **Jessica A. Mong, Ph.D.**, University of Maryland, School of Medicine
"Cellular Mechanisms Underlying Sex Differences in Sleep"
- **Timothy Roehrs, Ph.D.**, Wayne State University
"Sleep and Menopause"

12:30 - 1:30 pm

Lunch Break

1:30 - 3:30 pm

Symposium IV: Impact of Sex and Hormones on Immunity and Infection

Co-Chairs: Sabra Klein, Ph.D., Johns Hopkins Bloomberg School of Public Health, and Sally Huber, Ph.D., University of Vermont

Speakers:

- **S. Ansar Ahmed, D.V.M., Ph.D.**, Virginia Tech
"Molecular Regulation of Macrophage-Derived Proinflammatory Molecules by Estrogen"

- **Sabra L. Klein, Ph.D.**, Johns Hopkins Bloomberg School of Public Health
"Influence of Sex and Hormones on Susceptibility to Viruses"

- **Abhay Satoskar, M.D., Ph.D.**, Ohio State University
"Immunological Mechanisms Mediating Sex Differences in Parasitic Infection"

- **Patti E. Gravitt, Ph.D.**, Johns Hopkins Bloomberg School of Public Health
"Effects of Sex Steroids and Oral Contraceptives on Susceptibility to and Persistence of Human Papillomavirus"

3:30 - 4:30 pm

OSSD Annual Business Meeting

4:30 - 6:30 pm

Poster Session I

FRIDAY, JUNE 6

7:00 - 9:00 am

Breakfast

8:00 - 10:00 am

Symposium V: Sex Differences in Causes and Consequences of Drug Abuse

Co-Chairs: Cora Lee Wetherington, Ph.D., NIDA, and Ellen Witt, Ph.D., NIAAA

Speakers:

- **Linda P. Spear, Ph.D.**, SUNY-Binghamton
"Sex Differences in Alcohol Sensitivity, Intake and Stressor Effects, and Their Ontogeny"
- **Marc J. Kaufman, Ph.D.**, Harvard Medical School
"Sex Differences and Menstrual Cycle Variations in Cocaine's Cerebrovascular Effects Detected with Functional Magnetic Resonance Imaging"

- **Amy B. Wisniewski, Ph.D.**, University of Oklahoma Health Sciences Center
"Sex Differences in HPA and HPG Function in HIV-infected Adults Who Use Cocaine and Heroin: Associations with Depressive Symptoms and Quality of Life"
- **Jill B. Becker, Ph.D.**, University of Michigan
"Sex Differences in the Neural Basis of Drug Abuse—Preclinical Studies"

10:00 - 10:30 am

Break and Poster Viewing/Exhibits

10:30 am - 12:30 pm

Symposium VI: Sex Differences in Cardiovascular Disease

Chair: C. Noel Bairey Merz, M.D., Cedars-Sinai Medical Center

Speakers:

- **Karin Schenck-Gustafsson, M.D., Ph.D.**, Karolinska Hospital
"Sex Differences in Ischemic Heart Disease—Prevalence, Risk Factors and Cardiovascular Events"
- **Vera Regitz-Zagrosek, M.D.**, Charite-Universitaetsmedizin Berlin
"Heart Failure—Are Women Different?"
- **Leslee J. Shaw, Ph.D.**, Emory University School of Medicine
"Clinical Outcomes and Prognosis for Women with Suspected and Known Coronary Disease"
- **Dorie Schwartz, Ph.D., B.S.N., B.A., R.N., FAAN, FAHA**, University of Illinois at Chicago
"Cellular and Molecular Differences Underlying Sex Differences in Cardiac Pathology: What Have We Learned from Research in Animal Models?"

12:30 - 1:30 pm

Lunch Break

1:30 - 3:30 pm

Symposium VII: Sex Differences in Stress

Co-Chairs: Jacob Raber, Ph.D., Oregon Health Sciences University, Cheryl Frye, Ph.D., SUNY Albany, and James Herman, Ph.D., University of Cincinnati

Speakers:

- **Jacob Raber, Ph.D.**, Oregon Health & Sciences University
"Sex Differences in Stress and Cognition"
- **Cheryl Frye, Ph.D.**, State University of New York, Albany
"Estrogen Receptor Beta as a Target for the Anti-anxiety and Anti-depressant Effects of Steroids"
- **Esther Sabban, Ph.D.**, New York Medical College
"Sex Differences in Catecholaminergic System: Influence of Estrogen"
- **James P. Herman, Ph.D.**, University of Cincinnati
"Sex Differences in Stress Adaptation and Resilience"

3:30 - 5:30 pm

Poster Session II

5:30 - 6:30 pm

Keynote Lecture

Noel Rose, M.D., Ph.D., Johns Hopkins Bloomberg School of Public Health
"Sex Differences in the Autoimmune Diseases"

7:30 pm

Awards Banquet