



AGENDA

Thursday, June 2nd

- 9:00 - 12:00 pm **Satellite Workshop: Running a Multi-Disciplinary Disorders of Sex Development (DSD) Clinic**
Workshop Leaders: Amy Wisniewski, Ph.D. (OUHSC) and Steven Chernausek, M.D. (OUHSC)
- 12:00 – 2:30 pm Meeting Registration
- 2:30 - 3:30 pm **Keynote Lecture**
Jennifer Marshal Graves, Ph.D., F.A.A., A.O. (The Australian National University): Sex chromosome evolution
- 3:30 – 5:30 pm **Symposium I** (Michigan League, Second Floor Ballroom)
Co-Chairs: William G. Reiner, M.D. (University of Oklahoma Health Sciences Center) and Robert Wild, M.D. (University of Oklahoma Health Sciences Center)
- Speaker:*
Larry Mullins, Ph. D. (University of Oklahoma): Psychosocial functioning in Families of children with DSD
William G. Reiner, M.D. (University of Oklahoma Health Sciences Center): Gender development in DSD: Genes, hormones and environment
Charmian Quigley, M.D. (Lilly Research Laboratories): Sex Differences in patterns of growth: Lessons from disorders of sex development
Deborah Merke, M.D., M.S. (NIH Clinical Center): Phenotypic profile of a large cohort of patients with congenital adrenal hyperplasia (CAH), including endocrine influences on the developing brain
- 5:30 – 6:00 pm Break/Exhibit Setup
- 6:00 – 7:30 pm **The Elizabeth A. Young New Investigator Symposium**
Speakers: TBD

7:30 – 9:00 pm Reception

Friday, June 3rd

7:00 - 9:00 am Breakfast

8:00 - 10:00 am **Symposium II**
Milestones in the Development of Sex Differences in the Biological Actions of Drugs of Abuse

Co-Chairs: Edward J. Wagner, Ph.D. (College of Osteopathic Medicine of the Pacific Western University of Health Sciences) and Jill B. Becker, Ph.D. (University of Michigan)

Speakers:

Edward J. Wagner, Ph.D. (College of Osteopathic Medicine of the Pacific Western University of Health Sciences): Cannabinoids and energy homeostasis: Sex differences and estrogenic influences

Rebecca M. Craft, Ph.D. (Washington State University): Sex differences in analgesic and motoric effects of cannabinoids

Jill B. Becker, Ph.D. (University of Michigan): Estradiol and motivated behavior

Suzette Evans, Ph.D. (Columbia University): Sex differences in response to stimulants in humans

10:00 - 10:30 am Break, Poster Setup and Exhibits Open

10:30 - 12:30 pm **Symposium III**
Gender and Sex Differences in Integrated Renal and Cardiovascular Disease

Co-Chairs: Jeanette Magnus, M.D., Ph.D. (Tulane University School of Medicine) and Jane F. Reckelhoff, Ph.D. (University of Mississippi Medical Center)

Speakers:

Minolfa Prieto, M.D., Ph.D. (Tulane University School of Medicine): Sex differences in the renin-angiotensin system during Ang II-dependent hypertension

Jennifer McGee, M.D. (Tulane University School of Medicine): Impact of gender on kidney transplantation

Jane F. Reckelhoff, Ph.D. (University of Mississippi Medical Center): Sex hormones and postmenopausal hypertension

12:30 - 2:00 pm Lunch

2:00 - 4:00 pm

Symposium IV

The Impact of Sex, Gender, and Hormones on Immune Responses to Vaccines

Co-Chairs: Sabra Klein, Ph.D. (Johns Hopkins Bloomberg School of Public Health) and Christine Stabell Benn, M.D., Ph.D. (Statens Serum Institute)

Speakers:

Susan Kovats, Ph.D. (Oklahoma Medical Research Foundation): Estrogen receptor signaling regulates dendritic cell development and function: Implications for understanding innate immunity to vaccines

Sabra Klein, Ph.D. (Johns Hopkins Bloomberg School of Public Health): Sex differences in protective immunity against influenza viruses

Christine Stabell Benn, M.D., Ph.D. (Statens Serum Institute): Mortality differences between girls and boys following live and inactivated vaccinations and vitamin A supplementation in low-income countries

Katie Flanagan, Ph.D. (Medical Research Council (UK) Laboratories): Sex differences in the immunological profile following measles vaccine or combined diphtheria, tetanus, pertussis vaccination in Gambian infants

4:00 – 5:00 pm

Annual Membership Meeting

5:00 - 7:00 pm

Poster Session I

Saturday, June 4th

7:00 - 9:00 am

Breakfast

8:00 - 10:00 am

Symposium V

Sex Differences in Respiratory Function: from Basic Science to Clinical Application

Chairs: Y.S. Prakash, M.D., Ph.D. (Mayo Clinic)

Speakers:

Richard Kinkead, Ph.D. (University of Laval, Canada): Perinatal stress, respiratory regulation, and sexual dimorphism

Steve Johnson, Ph.D. (University of Wisconsin, Madison): Sex differences in respiratory control: Do epsilon GABA receptor subunits protect respiratory neurons from neurosteroids during late pregnancy and postnatal life?

Darryl Zeldin, M.D. (NIEHS): Sex differences in lung response to environmental agents

- Serpil Erzurum, M.D.** (Cleveland Clinic): Clinical perspectives on sex differences in asthma
- 10:00 - 10:30 am Break and poster viewing/exhibits
- 10:30 - 12:30 pm **Symposium VI**
Sex Differences in Peripheral Influences on Cardiovascular Control
Chair: Virginia M. Miller, Ph.D. (Mayo Clinic)
- Speakers:*
Barbara Alexander, Ph.D. (University of Mississippi Medical Center): Sex differences in blood pressure control and renal function in a model of developmental programming
Christopher T. Minson, Ph.D. (University of Oregon): Sex and hormonal influences on sympathetic nerve activity in humans
Jay R. Kaplan, Ph.D. (Wake Forest University): Exaggerated cardiac responsivity to stress may represent a novel pathway by which premenopausal ovarian impairment potentiates cardiovascular disease
- 12:30 - 2:00 pm Lunch
- 2:00 - 4:00 pm **Symposium VII**
Sex Differences in Neuroimmune Responses and the Risk of Neurological and Psychiatric Diseases
Co-Chairs: Veronica Miller Ph.D. (Wadsworth Center for Laboratories and Research) and Steve Zalcman Ph.D. (UMDNJ-New Jersey Medical School)
- Speakers:*
Veronica Miller, Ph.D. (Wadsworth Center for Laboratories and Research): Sex Differences in Glial Neurogenesis and Responses to Toxicant Exposure
Steven S. Zalcman, Ph.D. (UMDNJ-New Jersey Medical School): Sex Differences in Behavioral Disturbances Associated with Maternal Infection and Periadolescent Cytokine Challenge
Alan R. Prossin, M.D. (University of Michigan Medical School): Gender differences in central opioid neurotransmission and peripheral inflammatory responses to sustained pain
- 4:00 - 5:00 pm **Capstone Lecture**
Larry Cahill, Ph.D. (University of California Irvine): Sex influences on brain function: The burden of proof has shifted
- 5:00 - 7:00 Poster Session II
- 7:30 pm Awards Banquet