AGENDA

Thursday, June 2\textsuperscript{nd}

9:00 - 12:00 pm  \textbf{Satellite Workshop: Running a Multi-Disciplinary Disorders of Sex Development (DSD) Clinic}
\textit{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  \textbf{Keynote Lecture}
\textbf{Jennifer Marshal Graves, Ph.D., F.A.A., A.O.} (The Australian National University): Sex chromosome evolution

3:30 – 5:30 pm  \textbf{Symposium I} (Michigan League, Second Floor Ballroom)
\textit{Co-Chairs:} William G. Reiner, M.D. (University of Oklahoma Health Sciences Center) and Robert Wild, M.D. (University of Oklahoma Health Sciences Center)

\textit{Speaker:}
\textbf{Larry Mullins, Ph. D.} (University of Oklahoma): Psychosocial functioning in Families of children with DSD
\textbf{William G. Reiner, M.D.} (University of Oklahoma Health Sciences Center): Gender development in DSD: Genes, hormones and environment
\textbf{Charmian Quigley, M.D.} (Lilly Research Laboratories): Sex Differences in patterns of growth: Lessons from disorders of sex development
\textbf{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  \textbf{The Elizabeth A. Young New Investigator Symposium}

\textit{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
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 Periadolecent 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