

**OSSD 2018 Annual Meeting**  
**“Sex as a Biological Variable Across the Lifespan”**  
April 30 – May 3, 2018  
Atlanta, GA, USA

*Preliminary Program updated 3-12-18*

**MONDAY, APRIL 30**

**11:00 am – 5:00 pm REGISTRATION**

**1:00 pm – 2:45 pm SESSIONS 1 and 2**

**Session 1: Sex differences at the electrophysiological level: A focus on the limbic system**

Chair: Lisa Briand, PhD, Temple University

Speakers: John Meitzen, PhD, North Carolina State University

Dean Kirson, PhD, The Scripps Research Institute

Helen Scharfman, PhD, Nathan Kline Institute for Psychiatric Research

**Session 2: Sex Differences in the Pathogenesis of Infectious Diseases**

Chairs: Andrew Pekosz, PhD, Johns Hopkins Bloomberg School of Public Health

Sabra Klein, PhD, Johns Hopkins Bloomberg School of Public Health

Speakers: Theresa Chang, PhD, Rutgers University

Christopher Robinson, PhD, Indiana University

DeLisa Fairweather, PhD, Mayo Clinic

Cory Teuscher, PhD, University of Vermont

**2:45 pm – 3:00 pm BREAK**

**3:00 pm – 4:45 pm SESSIONS 3 and 4**

**Session 3: Neurocircuitry and neuroplasticity over the lifespan:**

**Sex-specific trajectories mean timing is everything**

Chair: Heather Brenhouse, PhD, Northeastern University

Speakers: Jennifer Honeycutt, PhD, Northeastern University

Cynthia Kuhn, PhD, Duke University

Rebecca Shansky, PhD, Northeastern University

Pavel Osten, PhD, Cold Spring Harbor Laboratory

**Session 4: Sex-specific outcomes of environmental chemical exposures**

Chair: John Meitzen, PhD, North Carolina State University

Speakers: Emily Barrett, PhD, Rutgers University

Heather Stapleton, PhD, Duke University

Heather Patisaul, PhD, North Carolina State University

Staci Bilbo, PhD, Harvard Medical School

**4:45 pm – 5:00 pm OPENING REMARKS**

**5:00 pm – 6:15 pm KEYNOTE LECTURE**

**Nirao Shah, PhD**

Professor of Psychiatry and Behavioral Sciences and of Neurobiology, Stanford University

*“Molecular and neural control of sexually dimorphic social behaviors”*

**6:15 pm – 8:15 pm OPENING RECEPTION and POSTER SESSION 1**

## TUESDAY, MAY 1

9:00 am – 5:00 pm REGISTRATION

7:30 am – 8:30 am BREAKFAST

8:30 am – 10:15 am SESSIONS 5 and 6

**Session 5: Molecular mechanisms of sex-dependent vulnerability to stress**

Chairs: Kathleen E. Morrison, PhD, University of Maryland School of Medicine  
Tracy L. Bale, PhD, University of Maryland School of Medicine

Speakers: Tanja Jovanovic, PhD, Emory University  
Kevin Bath, PhD, Brown University  
Georgia E. Hodes, PhD, Virginia Tech  
Kathleen E. Morrison, PhD, University of Maryland School of Medicine

**Session 6: Implications of Sex and Gender in Clinical Care**

Chair: Bruce Becker, MD, MPH, FACEP, Brown University  
Speakers: Lauren Walter, MD, University of Alabama at Birmingham  
Charles R. Wira III, MD, Yale University

10:15 am – 10:30 am BREAK

10:30 am – 12:15 pm SESSIONS 7 and 8

**Session 7: Hormonal regulation of behavior and physiology across diverse species**

Chair: Nirao Shah, PhD, Stanford University  
Speakers: Deborah Kurrasch, PhD, University of Calgary  
Jing Wang, PhD, University of California, San Diego  
Kim Huhman, PhD, Georgia State University  
Kim Wallen, PhD, Emory University

**Session 8: *In Silico* Research Methods and Applications for Women's Health and Sex Differences**

Chairs: Pamela Scott, PhD, MA, U.S. Food and Drug Administration  
Marjorie Jenkins, MD, MEdHP, FACP, U.S. Food and Drug Administration  
Panelists: Tina Morrison, PhD, U.S. Food and Drug Administration  
Wendy Wu, PhD, U.S. Food and Drug Administration  
Aldo Badano, PhD, U.S. Food and Drug Administration

12:15 pm – 1:30 pm WORKSHOP LUNCH

**Efficient and Reproducible Research: An Introduction to the Open Science Framework**  
Aaron Wolen, PhD, Virginia Commonwealth Univ.

1:45 pm – 3:30 pm SESSIONS 9 and 10

**Session 9: Nuclear structure and sex differences**

Chairs: Christine Disteche, PhD, University of Washington  
Carolyn Brown, PhD, University of British Columbia  
Speakers: Xinxian Deng, PhD, University of Washington  
Schahram Akbarian, MD, PhD, Mount Sinai School of Medicine  
Linda Zhou, University of Pennsylvania  
Andrew Lane, MD, PhD, Dana-Farber Cancer Institute

**Session 10: Sex Differences in Cerebrovascular Disease: Epidemiology to Epigenetics**

Chairs: Louise McCullough, MD, PhD, UTHealth McGovern Medical School  
Mat Reeves, PhD, Michigan State University

Speakers: Virginia Howard, PhD, University of Alabama at Birmingham  
Tracy Madsen, MD, Brown University  
Stacie Demel, DO, PhD, Michigan State University  
Mollie McDermott, MD, MS, University of Michigan

**3:30 pm – 3:45 pm BREAK**

**3:45 pm – 4:45 pm PANEL DISCUSSION: Sex Differences and the Google Memo**

Moderator: Lise Eliot, PhD, Rosalind Franklin University

Panelists: Deboleena Roy, PhD, Emory University  
Margaret McCarthy, PhD, University of Maryland  
Jill Becker, PhD, University of Michigan

**4:45 pm – 6:45 pm POSTER SESSION 2**

**WEDNESDAY, MAY 2**

**9:00 am – 5:00 pm REGISTRATION**

**7:30 am – 8:30 am BREAKFAST**

**8:00 am – 8:30 am OSSD BUSINESS MEETING**

**8:30 am – 10:15 am SESSIONS 11 and 12**

**Session 11: Sex steroids, puberty, and adolescent brain development: A translational approach to understanding peak vulnerability to psychopathology in adolescence**

Chairs: Marianne Seney, PhD, University of Pittsburgh  
Cecile Ladouceur, PhD, University of Pittsburgh

Speakers: Cheryl Sisk, PhD, Michigan State University  
Monique Ernst, MD, PhD, NIMH

**Session 12: Statistical methodologies on sex chromosome association**

Chair: Wei Xu, PhD, Princess Margaret Cancer Centre

Speakers: Lei Sun, PhD, University of Toronto  
Stacey Winham, PhD, Mayo Clinic  
Osvaldo Espin-Garcia, University of Toronto

**10:15 am – 10:30 am BREAK**

**10:30 am – 12:15 pm SESSIONS 13 and 14**

**Session 13: Sex differences in learning and plasticity**

Chairs: Debra Bangasser, PhD, Temple University  
Nicola Grissom, PhD, University of Minnesota

Speakers: Erin Calipari, PhD, Vanderbilt University  
Mohamed Kabbaj, PhD, Florida State University

**Session 14: Gender, Sex Hormones, and Lung Inflammation**

Chair: Patricia Silveyra, PhD, Penn State College of Medicine  
Speakers: Y.S. Prakash, MD, PhD, Mayo Clinic  
Dawn Newcomb, PhD, Vanderbilt University  
Nathalie Fuentes, Penn State College of Medicine

**12:15 pm – 1:30 pm** **TRAINEE LUNCH** *or enjoy Atlanta with lunch on your own*

**1:45 pm – 3:30 pm** **SESSIONS 15 and 16**

**Session 15: Current Topics in Sex Differences Research I:  
Genetics and Neuroscience**

Speakers: Erica Glasper, PhD, University of Maryland  
Vincent Harley, PhD, Hudson Institute of Medical Research  
Susan Sangha, PhD, Purdue University  
Nora Engel, PhD, Temple University  
Kristen Pleil, PhD, Cornell University

**Session 16: Current Topics in Sex Differences Research II:  
Physiology and Metabolism**

Speakers: Suresh Mishra, PhD, University of Manitoba  
Benoit Chassaing, PhD, Georgia State University  
Kristen Zuloaga, PhD, Albany Medical College  
Katelyn Bruno, PhD, Mayo Clinic  
Annie Newell-Fugate, PhD Texas A&M University

**3:30 pm – 3:45 pm** **BREAK**

**3:45 pm – 5:15 pm** **YOUNG INVESTIGATORS SYMPOSIUM**

**5:15 pm – 6:15 pm** **CAPSTONE LECTURE**

**Londa Schiebinger, PhD**

John L. Hinds Professor of History of Science, Stanford University  
Director, Gendered Innovations in Science, Health & Medicine, Engineering, and Environment  
**“Gendered Innovations in Health Research, Machine Learning, and Robotics”**

**6:15 pm – 8:15 pm** **AWARDS RECEPTION** *with “heavy hors d'oeuvres”*

## **THURSDAY, MAY 3**

**7:30 am – 8:30 am** **BREAKFAST**

**8:30 am – 10:15 am** **SESSIONS 17 and 18**

**Session 17: Sex Differences in Pain from the Sensory Nerves to the Brain**

Chair: Dayna Loyd Averitt, PhD, Texas Woman's University  
Speakers: Greg Dussor, PhD, University of Texas at Dallas  
Loren Martin, PhD, University of Toronto  
Arbi Nazarian, PhD, Western University of Health Sciences

**Session 18: Defining and Measuring Sex and Gender in Clinical Research**

Chairs: Louise Pilote, MD MPH PhD FRCPC, McGill University  
Rachel Dreyer, PhD, Yale University

Speakers: TBA

**10:15 am – 10:30 am BREAK**

**10:30 am – 12:15 pm SESSIONS 19 and 20**

**Session 19: Endocrine disruptors: sex differences in their effects during development**

Chair: Janice Juraska, PhD, University of Illinois

Speakers: Jodi Flaws, PhD, University of Illinois  
Emilie Rissman, PhD, North Carolina State University  
Rita Strakovsky, PhD, Michigan State University

**Session 20: Women and Alzheimer's Disease: A Scientific Update from the  
SWHR Interdisciplinary Panel on Alzheimer's Disease**

***(in conjunction with the SWHR Alzheimer's Disease Network meeting)***

Chair: Pauline Maki, PhD, University of Illinois at Chicago

Speakers: Michelle M. Mielke, PhD, Mayo Clinic  
Kejal Kantarci, MD, MS, Mayo Clinic  
MaryJo LaDu, PhD, University of Illinois at Chicago

**12:15 am – 12:30 pm CLOSING REMARKS**

**12:30 pm                    END OF MEETING**

**12:30 pm – 3:00 pm   OSSD COUNCIL MEETING**