



2012 OSSD/IGM MEETING - AGENDA

Thursday, June 7th

- 8:00 am **Workshop, Continental Breakfast Provided**
- 8:30 - 12:00 pm **Workshop: Building Sex/Gender-based Competencies into Medical and Graduate Curricula** – Chesapeake III
Chairs: Karin Schenck-Gustafsson, M.D. and Jill Becker, Ph.D.
Speakers:
- **Jill Becker, Ph.D.** - Introduction: key questions and challenges
 - **Karin Schenck-Gustafsson, M.D.** and **Ineke Klinge, Ph.D.** - European competencies in sex/gender medicine
 - **Gillian Einstein, Ph.D., Susan Phillips, M.D., M.Sc.,** and **Zena Sharman, Ph.D.** – Canadian strategies for sex/gender approaches in graduate and medical education
 - **Marjorie Jenkins, M.D.**– US approaches to medical curriculum development and methods to track sex and gender competencies within existing curriculum
- 12:00 – 2:30 pm **Meeting Registration** – Chesapeake Gallery
- 12:00 – 1:00 pm **Lunch on your own**
- 1:00 - 1:30 pm **Opening Ceremony** – Chesapeake I & II
Remarks:
- **Virginia M. Miller, Ph.D.** OSSD President
 - **Marek Glezerman, M.D.** IGM President
 - **Margaret McCarthy, Ph.D.** OSSD Programs Committee Co-Chair
 - **Phyllis Greenberger, M.S.W.** SWHR President
- 1:30 – 3:15 pm **Presidential Symposium: Sex Differences in Fetal Programming** – Chesapeake I & II
Chairs: Marek Glezerman, M.D. and Virginia M. Miller, Ph.D.
Speakers
- **Melissa Hines, Ph.D.** - Prenatal testosterone and human neurobehavioral development: outcomes and mechanisms
 - **Tracy Bale, Ph.D.** - Prenatal programming of stress dysregulation: epigenetic and placental contributions
 - **Marek Glezerman, M.D.** - Fetal programming beyond health and disease

- 3:15 – 3:30 pm **Break, coffee and tea provided**
- 3:30 – 4:30 pm **Keynote** - Chesapeake I & II
Marianne Legato, M.D. - Gender-Specific Medicine after the Age of Darwin: Achievements and Challenges in 21st Century Science
- 4:30 – 6:30 pm **Young Investigator Symposium**
- 6:30 – 8:30 pm **Opening Reception** – Harborview Ballroom

Friday, June 8th

- 7:30 - 8:30 am **Breakfast Provided** – Chesapeake Gallery

Simultaneous Sessions Begin

- 8:30 - 10:30 am **Symposium I** – Chesapeake I
Sex Differences and Their Impact on Osteoarthritis
Co-Chairs: Barbara Boyan, Ph.D. and Roger M. Enoka, Ph.D.

Speakers:

- **Mary O'Connor, M.D.** – The knee as an organ: sex differences in incidence and severity of OA
- **David Hart, Ph.D.** - Hormonal modulation contributes to sex differences in OA
- **Kathleen Sluka, Ph.D.** - Central nervous system modulates knee OA pain
- **Lorena Havill, Ph.D.** – Sex differences in naturally occurring knee osteoarthritis in baboons.

OR

- 8:30 – 10:30 am **Symposium II** – Chesapeake II
Global Assessment of Severe Coronary Artery Disease
Co-Chairs: Pam Ouyang, M.D. and Maria Grazia Modena, M.D.

Speakers:

- **Pam Ouyang, M.D.** - Age and development of ischemic coronary artery disease: does sex matter?
- **Maria Grazia Modena, M.D.** - Coronary artery disease in Women: how common “atypical” symptoms reveal different pathophysiological substrates
- **Karin Schenck-Gustafsson, M.D.** - Sex differences in CHD diagnostics
- **Alexandra Kautzky-Willer, M.D.** - Sex differences in cardiometabolic diseases

- 10:30 - 11:00 am **Break, coffee and tea provided**
Poster Session I Setup and Exhibits Open

11:00 - 1:00 pm

Symposium III – Chesapeake I
Sex Disparities in Cancer

Chair: Michael Cook, Ph.D.

Speakers:

- **Michael Cook, Ph.D.** - Sex disparities in cancer incidence, mortality and survival
- **Michael Karin, Ph.D.** - Inflammation, metabolism, aging and cancer: dangerous liaisons
- **Svetomir Markovic, Ph.D., M.D.** - Sex hormones and immune regulation: implications for cancer therapy
- **James Fox, D.V.M.** - Role of estrogen in *Helicobacter pylori* associated gastric cancer

OR

11:00 – 1:00 pm

Symposium IV - Chesapeake II
Sex Differences in Stem Cells

Chair: Margaret McCarthy, Ph.D.

Speakers:

- **Johnny Huard, Ph.D.** - Effect of donor & host sex in tissue regeneration with muscle derived stem cells
- **Margaret McCarthy, Ph.D.** - Sex differences in neural and glial genesis in the brain
- **Jaclyn Schwarz, Ph.D.** - Sex differences in microglial colonization of the developing brain: implications for health and disease.
- **Anne Comi, M.D.** - Modulation of post-stroke neural and glial progenitor responses is sex-dependent

1:00 pm – 2:30 pm **Poster Session I** - Chesapeake III

1:00 pm – 2:00 pm **IGM Assembly** – Chesapeake I

Lunch on your own and free afternoon

Saturday, June 9th

7:30 – 8:30 am

Breakfast Provided – Chesapeake Gallery

Simultaneous Sessions Begin

8:30 - 10:30 am

Symposium V - Chesapeake I
Sex Differences in Mechanistic Pathways of Cardiovascular Disease

Chair: Vera Regitz-Zagrosek, M.D.

Speakers:

- **Clinton Webb, Ph.D.** - Mechanisms of sex difference in vascular function

- **Noel Bairey-Merz, M.D.** - The Yentl Syndrome 2011: Why are there differences in ischemic heart disease in women and men (including genes)?
- **Vera Regitz-Zagrozek, M.D.** - Sex differences in genomics of left ventricular remodeling
- **Istvan Merchenthaler, Ph.D.** - A novel 17-beta-estradiol prodrug for the treatment of menopausal symptoms: hot flushes, depression and sleep disorders in animal models

OR

8:30 – 10:30 am

Symposium VI - Chesapeake II
Depression and Anxiety Disorders: Novel Targets for Sex Specific Treatments

Co-Chairs: Gretchen N. Neigh, Ph.D. and Kevin D. Beck, Ph.D.

Speakers:

- **Georgia Hodes, Ph.D.** - Epigenetic regulation of sex differences in stress related disorders
- **Debbie Bangasser, Ph.D.** - Sex differences in the stress-response systems: from molecules to mental illness
- **Kerry Ressler, Ph.D.** - Differential sex-specific effects of the PACAP (ADCYAP1R1) and Androgen (SRD5A2) pathways with PTSD in a highly traumatized population
- **Dov Feldberg, M.D.** - Unique characteristics of anxiety and depression among couples undergoing in vitro fertilization treatment

10:30 – 11:00 am

Break, coffee and tea provided
Poster Session II setup

11:00 - 1:00 pm

Symposium VII - Chesapeake I
Animal Models for Sex Differences Research

Co-Chairs: Margaret McCarthy, Ph.D. and Art Arnold, Ph.D.

Speakers:

- **Douglas Portman, Ph.D.** - Sex differences in the nervous system: Insights from genetic model systems
- **Susan Fahrbach, Ph.D.** - Sex differences in insects: beyond *fru* and haplodiploidy
- **Daniel Gorelick, Ph.D.** - Fishing for sex differences
- **Gregory F. Ball, Ph.D.** - Neural sex differences and similarities in the control of vocal behavior in songbirds

OR

11:00 – 1:00 pm

Symposium VIII - Chesapeake II
Post-traumatic Stress Disorder (PTSD) and One's Sex

Chair: Kathryn Sandberg, Ph.D.

Speakers:

- **Amy Street, Ph.D.** – Experiences of sexual trauma during military service: implications for the gender-specific risk of PTSD
- **Dawne Vogt, Ph.D.** – Gender differences in combat-related stressors and their association with postdeployment mental health among U.S. OEF/OIF veterans
- **Thomas A. Mellman, M.D.** - Sex differences in sleep-related predictors of PTSD
- **Ann Rasmusson, M.D.** - Sex Differences in Neurobiology with Potential Relevance to PTSD Risk, Symptom Severity, and Chronicity

1:00 pm – 2:00 pm **Lunch on your own**

OR

1:30 – 2:30 pm **NIH Workshop** – Chesapeake I
*Please feel free to bring your lunch to the workshop

1:30 – 3:00 pm **Poster Session II** – Chesapeake III

3:00 – 5:00 pm **Symposium IX** – Chesapeake II
Sex Differences in Global Health
Co-Chairs: Sabra Klein, Ph.D. and Anna Thorson, Ph.D., M.D., M.P.H.

Speakers:

- **Anna Thorson, Ph.D., M.D., M.P.H.** - Sex and gender aspects of Tuberculosis: a review
- **Oralee Branch, Ph.D.** - Males, females and children's inflammatory responses during and after malaria infection: sex and sex hormones associated with chronic inflammation
- **Elizabeth Connick, M.D.** - Sex differences in HIV-1 immunopathogenesis
- **William J. Moss, M.D., M.P.H.** - Sex differences in response to measles and measles vaccine

5:00 - 6:00 pm **Capstone** - Chesapeake II
Chris Gregg, Ph.D. - Maternal and paternal gene networks in the male and female brain

6:00 - 7:00 **General OSSD Membership Meeting** - Chesapeake II

7:30 pm **Awards Banquet** (Ticket purchase required at time of online registration) – Harborview Ballroom