### Thursday, June 3 - Michigan League

<table>
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<tr>
<th>Time</th>
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| 12:00 - 2:00 pm | OSSD Meeting Registration  
Exhibit set up                                                              |
| 2:00 - 2:30 pm | Welcome and Introductions                                           |
| 2:30 - 3:30 pm | Opening Keynote Lecture  
Timothy Bestor, Ph.D., Columbia University  
“Sexual Dimorphism in Genomic Imprinting” |
| 3:30 - 5:30 pm | Symposium I: Evolution and the Origins of Sex Differences in Mortality  
Chair: Randolph M. Nesse, M.D., University of Michigan |

**Speakers:**
- Randolph M. Nesse, M.D., University of Michigan  
  “Evolutionary Origins of Sex Differences in Human Mortality”
- Daniel J. Kruger, Ph.D., University of Michigan  
  “A Unified Causal Framework for Sex Differences in Human Mortality Rates”
- David Geary, Ph.D., The University of Missouri  
  “Sexual Selection for Sex Differences in Vulnerability”
- Bobbi Low, Ph.D., University of Michigan  

### Friday, June 4 - East Hall

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<th>Time</th>
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<td>7:00 - 9:00 am</td>
<td>Breakfast</td>
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| 8:00 - 10:00 am | Symposium II: Parent of Origin Specific Epigenetic Programming: Genetic and Environmental Determinants  
Co-Chairs: Rosanna Weksberg, M.D., Ph.D., Hospital for Sick Children, Toronto, and Marisa Bartolomei, Ph.D., University of Pennsylvania School of Medicine |

**Speakers:**
- Marisa Bartolomei, Ph.D., University of Pennsylvania School of Medicine  
  “Embryo Culture Environment in Mice Impacts the Rate of Imprinting Abnormalities”
- Carmen Sapienza, Ph.D., Temple University  
  “Parental Imprinting Differences between Children Conceived In vitro or In vivo”
- Rosanna Weksberg, M.D., Ph.D., Hospital for Sick Children, Toronto  
  “Deregulation of Parental Imprinting in the Offspring of Males and Females with Subfertility and Assisted Reproduction”
10:00 - 10:30 am

Break, Posters and Exhibits Open

10:30 am - 12:30 pm

Symposium III: Pain, Its Treatment, and the Influence of Sex
Co-Chairs: Anne Z. Murphy, Ph.D., Georgia State University and Lisa Kilpatrick, Ph.D., University of California, Los Angeles

Speakers:

• Anne Z. Murphy, Ph.D., Georgia State University
  “Why Morphine is not the Drug of Choice for the Treatment of Female Pain”

• Richard J. Traub, Ph.D., University of Maryland Dental School
  “Sex Differences in Visceral Pain”

• Lisa Kilpatrick, Ph.D., University of California, Los Angeles
  “Sex Differences in the Response of Autonomic and Emotional Arousal Brain Networks to Visceral Pain in Irritable Bowel Syndrome”

• Brian E. Cairns, Ph.D., R.Ph., University of British Columbia
  “Sex Differences in the Neurobiology of Orofacial Pain”

12:30 - 2:00 pm

Lunch

2:00 - 4:00 pm

Symposium IV: Antenatal Corticosteroids: Sex-Based Differences in Respiratory Distress Syndrome and Outcomes
Co-chairs: Yves Tremblay, Ph.D., Mother and Infant Center, Laval University and Bruno Piedboeuf, M.D., Mother and Infant Center, Laval University

Speakers:

• Elizabeth Vagi Asztalos, M.D., Sunnybrook Health Sciences Center
  “Antenatal Corticosteroids: A Randomized Controlled Trial”

• Emmanuel Bujold, M.D., and Stéphanie Roberge, PhD Candidate, Mother and Infant Center, Laval University
  “The Role of Sex in the Response of Corticosteroids in Women at Risk to Deliver Prematurely: Meta-Analysis and Systematic Review”

• Bruno Piedboeuf, M.D., Mother and Infant Center, Laval University
  “Effect of Sex on Survival and Short-term Outcomes of Extremely Premature Infants: A Canadian Retrospective Study”

• Keith Barrington, M.D., University of Montreal
  “Prenatal Corticosteroids; Early Gains and Long-Term Questions: A Brain Point of View”

• Yves Tremblay, Ph.D., Mother and Infant Center, Laval University
  “Lung Maturation, Androgens and Corticosteroids: A Question of Sex and Timing”

4:00 - 5:00 pm

OSSD Annual Membership Meeting

5:00 - 7:00 pm

Poster Session I
Saturday, June 5 - East Hall

7:00 - 9:00 am
Breakfast

8:00 - 10:00 am
Symposium V: Sexually Differentiated Responses and Estrogen Receptors
Co-Chairs: Robert L. Meisel, Ph.D., University of Minnesota and Paul Micevych, Ph.D., University of California, Los Angeles

Speakers:

- Robert J. Handa, Ph.D., University of Arizona
  “Splice Variants of Estrogen Receptor Beta in the Control of Stress”

- Cheryl S. Watson, Ph.D., University of Texas Medical Branch
  “Membrane Actions of Physiological, Environmental and Plant Estrogens”

- Paul G. Mermelstein, Ph.D., University of Minnesota
  “Membrane Estrogen Receptors Are Functionally Linked to mGluR Signaling”

- Paul Micevych, Ph.D., University of California, Los Angeles
  “Membrane Estrogen Receptor Signaling and Reproduction in Female Rodents”

10:00 - 10:30 am
Break and Poster Viewing/Exhibits

10:30 am - 12:30 pm
Symposium VI: Sex Differences in Neuroplasticity and Mental Health
Co-Chairs: Helen Scharfman, Ph.D., Nathan Kline Institute and New York University and Coral Lee Wetherington, Ph.D., National Institute on Drug Abuse, NIH

Speakers:

- Dolores Malaspina, M.D., New York University

“Sex Differences in Schizophrenia”

- Neil MacLusky, Ph.D., University of Guelph
  “Sex Differences in Depression”

- Helen Scharfman, Ph.D., Nathan Kline Institute and New York University
  “Sex Differences in Spatial Memory and its Relevance to Alzheimer’s Disease”

- Cynthia Kuhn, Ph.D., Duke Institute for Brain Sciences
  “Sex Differences in Addiction and other Dopaminergic Disorders”

12:30 – 2:00 pm
Lunch

2:00 – 4:00 pm
Symposium VII: Sex/Gender in Science and Medicine
Chair: Gillian Einstein, Ph.D. University of Toronto

Speakers:

- Arthur P. Arnold, Ph.D., University of California, Los Angeles
  “Mouse Models for Studying the Hormonal and Genetic Origins of Sex Differences in Disease”

- Jeanette Magnus, M.D., Ph.D., Tulane University
  “Sex and Gender from Bench to Bedside”

- David Sandberg, Ph.D., University of Michigan
  “Delivery of Behavioral Health Services to Children with Endocrine Disorders that Affect Sex and Gender and their Families”

- Vera Regitz-Zagrosek, M.D., Charite-Universitaetsmedizin Berlin
  “Sex and Gender in Cardiology”

- Jonathan M. Metzl, M.D., Ph.D., University of Michigan
  “Gender Stereotypes Used in the Diagnosis of Depression”
presents interdisciplinary panels that illustrate how sex differences research can be translated into clinical practice. At this conference the topics of sex differences in mortality rates, epigenetic programming, pain treatment, lung development, responses to estrogens, mental health and non reproductive cancers will be covered.

**Format:** The program is designed as panel presentations with ample time for interactive discussions among panel presenters and the audience.

### Accreditation and Continuing Education Credit

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the University of Michigan Medical School and the Organization for the Study of Sex Differences. The University of Michigan Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Michigan Medical School designates this educational activity for a maximum of 16 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.