



Understanding Traumatic Brain Injury in Women

Natcher Conference Center, NIH Main Campus
December 18-19, 2017

Day 1: December 18, 2017

07:30 am **Registration**

08:15 am **Welcome**

Walter Koroshetz, MD, National Institute of Neurological Disorders and Stroke/NIH

08:30 am **Keynote: Identifying Sex Differences in Research: What Are the Challenges?**

Margaret McCarthy, PhD, University of Maryland School of Medicine

09:00 am **Session I: Sex Differences in TBI across the Lifespan**

Moderator: *Lisa Begg, DrPH, RN, Office of Research on Women's Health/NIH*
20 min presentations and 20 min Panel Q&A Session

- The Epidemiology of Sex Differences in the Incidence of TBI
Matt Breiding, PhD, Centers for Disease Control and Prevention
- Sex Differences in Pediatric Cases of TBI
Courtney Robertson, MD, Johns Hopkins University
- Sex Differences in Older Adults following TBI
Angela Colantonio, PhD, University of Toronto

10:00 am **Panel Discussion**

10:20 am **Break (15 minutes)**

10:40 am **Session II: TBI as a Consequence of Intimate Partner Violence**

Moderator: *Katherine Price Snedaker, LCSW, PINK Concussions*
15 min presentations and 20 min Panel Q&A Session

- TBI in Abused Women from Head Injuries and/or Strangulation: It's all One Brain
Jacquelyn Campbell, PhD, RN, Johns Hopkins University
- Neuropsychological and Neuroimaging Correlates of IPV-related TBI
Eve Valera, PhD, Harvard Medical School
- Biomarkers that Reflect Cumulative Head Injuries
Jessica Gill, PhD, RN, National Institute of Nursing Research/NIH
- IPV-Related TBI among Women Veterans: Evidence to Inform Patient-Centered Identification and Intervention
Katherine Iverson, PhD, Boston University

11:40 am **Panel Discussion**

12:00 pm **Lunch (1 hour)**

- 01:00 pm **Session III: Lost in Translation: Sex Differences in Pre-clinical and Clinical Research**
Moderator: Jeremy Brown, MD, National Institute of Neurological Disorders and Stroke/NIH
15 min presentations and 30 min Panel Q&A Session
- Progesterone for the Treatment of Traumatic Brain Injury (ProTECT)
David Wright, MD, Emory University School of Medicine
 - Transforming Research and Clinical Knowledge in TBI (TRACK-TBI)
Harvey Levin, PhD, Baylor College of Medicine
 - Approaches and Decisions in Acute Pediatric TBI (ADAPT) Trial
Michael Bell, MD, Children's National Medical Center
 - The Unique Challenges Facing Pre-Clinical to Clinical Translation in TBI Research
Donald Stein, PhD, Emory University
 - Sex Differences as Revealed by Research on Large Animal Models of TBI
Candace Floyd, PhD, University of Utah
 - The Role of Hormones in Response to Trauma
Ann Rasmuson, MD, Boston University School of Medicine

02:30 pm **Panel Discussion**

03:00 pm **Break (20 minutes)**

- 03:20 pm **Session IV: Sex Differences following Sports-Related TBI**
Moderator: Pat Bellgowan, PhD, National Institute of Neurological Disorders and Stroke/NIH
20 min presentations and 20 min Panel Q&A Session
- Epidemiology of Sex Differences in Sports Related Concussion
Dawn Comstock, PhD, Colorado School of Public Health
 - Sex-related Challenges After Sports Concussion in Pediatric Patients
Christopher Giza, MD, University of California, Los Angeles
 - Sex Differences in Recovery from TBI among High School Athletes
Harvey Levin, PhD, Baylor College of Medicine
 - Current Trends Related to Sex Differences from the Concussion Assessment, Research and Education (CARE) Consortium Study
Michael McCrea, PhD, Medical College of Wisconsin

04:40 pm **Panel Discussion**

05:00 pm **Adjourn**

Day 2: December 19, 2017

08:00 am **Introduction to Day 2** *Janine Clayton, MD, Office of Research on Women's Health/NIH*

- 08:20 am **Session V: Military Perspective: Sex Differences in TBI among Service Members & Veterans**
Moderator: Katherine Helmick, MS, Defense and Veterans Brain Injury Center/DHA
20 min presentations and 20 min Panel Q&A Session
- Sex Differences in Post-Concussion Symptom Reporting among Service Members & Veterans
Sara Lippa, PhD, Walter Reed National Military Medical Center
 - Sex Differences in Outcomes of Service Members After Polytrauma/TBI
Odette Harris, MD, MPH, Stanford University
 - Trajectories of Comorbidity among Male and Female Veterans and Service Members After TBI
Mary Jo Pugh, PhD, University of Utah School of Medicine
 - The Neuropathological Trajectory of Male vs Female Veterans Following TBI
Deborah Yurgelun-Todd, PhD, University of Utah School of Medicine

09:40 am **Panel Discussion**

- 10:00 am **Break (15 min)**
- 10:15 am **Session VI: Sex Differences in Diagnosis, Prognosis and Management of TBI**
Moderator: Alison Cernich, PhD, National Center for Medical Rehabilitation Research/NICHD/NIH
20 min presentations and 20 min Panel Q&A Session
- Sex Differences in Prognostic Markers of TBI
Rebekah Mannix, MD, MPH, Boston Children's Hospital
 - Impact of Menstrual Phase on Outcome after Mild TBI
Jeff Bazarian, MD, University of Rochester School of Medicine
 - Sex Differences in Inflammation and Imaging
Christine Turtzo, MD, PhD, National Institute of Neurological Disorders and Stroke/NIH
 - Sex Differences in Social Behavior in Rehabilitation and Beyond
Lyn Turkstra, PhD, McMaster University
- 11:35 am **Panel Discussion**
- 12:00 pm **Lunch (1 hour)**
- 01:00 pm **Session VII: Prioritization of Research Needs: Breakout Sessions**
Closed Session
- 01:50 pm **Transition Back to Main Conference Room**
- 02:00 pm **Session VIII: Prioritization of Research Needs: Breakout Sessions Report Back**
- 02:45 pm **Summary & Closing**
Walter Koroshetz, MD, National Institute of Neurological Disorders and Stroke/NIH
- 03:15 pm **Adjourn**