

**Parental Brain 2018:**  
**Biological and Behavioral Perspectives on Parental Health**  
**Toronto, Ontario, Canada**  
(Program subject to change)

**Friday, July 13, 2018**

- 8:15-8:45 am Continental Breakfast
- 8:45-9:00 Welcome and Introductions
- 9:00-10:30 **Symposium 1: The genetics and epigenetics of parenthood**
- Stephen Gammie (University of Wisconsin) - *Large scale changes in central gene expression across the postpartum period: relevance to sociability and mental health risks*
  - Danielle Stolzenberg (University of California) - *Plasticity in the parental brain: experience and epigenetics*
  - David Ashbrook (University of Tennessee) - *Indirect genetic effects of, and on, maternal care*
  - Michelle Arbeitman (Florida State University) - *Gene Expression Studies of the Maternal Brain*
- 10:30-11:00 Coffee Break
- 11:00-12:30 **Symposium 2: Threats to mothering – drugs, psychopathology, toxins, stress**
- Lane Strathearn (University of Iowa) - *The neurobiology of maternal addiction: What's attachment got to do with it?*
  - Aya Dudin (University of Toronto) - *Neural Response to Infant Pictures; comparing depressed and nondepressed mothers and non-mothers*
  - Thierry Charlier (University of Rennes) - *Glyphosate and glyphosate-based herbicide effects on maternal behavior and neuroplasticity*
  - David Slattery (University of Frankfurt) - *Impact of stress and diet detrimentally on peripartum-associated adaptations*
- 12:30-2:00 pm Lunch on your own
- 2:00-2:45 **Keynote Address:** John A. Russell (University of Edinburgh) - *Giving a good start to a new life via maternal brain adaptations in pregnancy*
- 2:45-3:45 **Plenary/Hot Topics** (6 speakers @ 10 min each): To be selected
- 3:45-4:00 Short Break
- 4:00-4:45 **Keynote Address:** Patricia Tomasi (Huffington Post Canada) - *Leveraging social media and advocacy journalism to connect with mothers and families going through postpartum depression*
- 4:45-6:15 **Poster Session/Reception**

## Saturday, July 14, 2018

- 8:15-8:45 am Continental Breakfast
- 8:45-10:15 **Symposium 3: Neurobiology of nurturing – parental insights inspired by Craig H. Kinsley**
- Robert Bridges (Tufts University) - *Craig Kinsley: Researcher, enthusiast, and friend*
  - Kelly Lambert (University of Richmond) - *Nurturing through adversity: Neurobiological effects of parental challenges*
  - Elizabeth Byrnes (Tufts University) - *Lost in translation: Can we improve animal models of prenatal opioid use?*
  - Jodi Pawluski (University of Rennes) - *Plasticity in the maternal brain during the perinatal period: Effects of stress and SSRIs*
  - Liisa Galea (University of British Columbia) - *The long and short of it: Hippocampal plasticity after -pregnancy and motherhood*
  - Luciano Felicio (Universidade Paulista) - *Closing remarks*
- 10:15-10:45 Coffee Break
- 10:45-12:15 **Symposium 4: Not just the brain – parental brain interactions with the gut, immune system & placenta**
- Arpad Dobolyi (Semmelweis University) - *IGF-1 is a regulator of lactation and maternal responsiveness suggested by systems biological and validation studies*
  - Benedetta Leuner (Ohio State University) - *Microglia and motherhood: emerging evidence for immune alterations in the pregnant and postpartum brain*
  - Rosalind John (Cardiff University) - *Placental imprinting modulates maternal care provision: Implications for maternal mood disorders*
- 12:15-1:30 pm Lunch on your own
- 1:30-2:15 **Keynote Address:** - Ruth Feldman (Bar-Ilan University & Yale University Medical School) - *Building a human parental brain and why it matters*
- 2:15-3:45 **Symposium 5: Other than mothers – the paternal and alloparental brain**
- James Rilling (Emory University) - *Paternal brain function in human fathers*
  - Johanna Bick (University of Houston) - *Foster Mother Infant Bonding from an Affective Neuroscience Perspective*
  - Erica Giasper (University of Maryland) - *Neuroendocrine regulation of fatherhood-related hippocampal plasticity in California mice (*Peromyscus californicus*).*
  - William Kenkel (Indiana University) - *The babysitter's club: Prairie vole alloparents and the role of oxytocin*
- 3:45-4:30 **Panel Discussion: Future Initiatives on Parental Health**
- 4:30 pm Closing Remarks and Adjourn