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 Glasper (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