

# CSBN Scientific Symposium

## Sex matters: Incorporating sex as a variable in neuroscience

April 28 - 29, 2022

Center for Studies in Behavioral Neurobiology, Concordia University, Montréal, Québec, Canada

*This is a FREE virtual event on the Zoom platform. Registration is required to attend. Links and access information will be sent 24-48 hours prior to the event. Event times listed follow Eastern Standard Time.*

**This scientific symposium features talks by renowned neuroscientists and exceptional junior scientists whose cutting-edge research incorporates sex as an experimental variable.**

**Thu April 28**

**3:45 pm**

**Zoom call opens**

**4:00 am**

**Opening remarks**

**4:15 pm**

**Dr. Liisa Galea**  
University of British Columbia  
Vancouver BC

*Game of Hormones: Why sex matters for brain health.*  
(Keynote talk)

**Fri April 29**

**8:45 am**

**Zoom call opens**

**9:00 am**

**Opening remarks**

**9:10 am**

**Dr. Wayne Brake**  
Concordia University  
Montreal QC

*The importance of sex differences in neuroscience -  
a more nuanced approach.*

**9:35 am**

**Dr. Gillian Einstein**  
University of Toronto  
Toronto ON

*Neuroscience is better with sex and gender:  
A new paradigm to understand women's brain health.*

**10:30 am**

**Coffee break**

**10:50 am**

**Junior scientist data talks I**

• **Berkley Petersen**  
Karen Li lab, Concordia U.

*Does hearing loss or biological sex modulate the efficacy of exercise and cognitive training on dual-task performance in older adults with Mild Cognitive Impairment?*

• **Jesse Lacasse**  
Wayne Brake lab, Concordia U.

*Sex and hormonal contraceptives impact latency, but not navigation strategy, in a virtual spatial navigation task.*

• **Christiane Meyer**  
Shimon Amir lab, Concordia U.

*Are internally desynchronized female rats more vulnerable to the effects of alcohol consumption?*

• **Catarina Borges**  
Uri Shalev lab, Concordia U.

*The effect of chemogenetic inhibition of the pPVT on food deprivation-induced relapse to heroin seeking after punishment-imposed abstinence, in males and females.*

**11:45 am**

**Lunch break**

**12:45 pm**

**Dr. Annaliese Beery**  
University of California, Berkely  
Berkeley CA

*Inclusion of females:  
How far have we come and where do we need to go?*

**1:40 pm**

**Junior scientist data talks II**

• **Dr. Konrad Schöttner**  
Shimon Amir lab, Concordia U.

*Clock gene Bmal1 affects alcohol consumption in a sexually dimorphic manner.*

• **Lizette Herrera Portillo**  
Rosemary Bagot lab, McGill U.

*Chronic variable stress induces sex-specific depressive-like behavioral and brain changes in mice.*

• **Nyissa Walsh**  
Thanh Dang-Vu lab, Concordia U.

*The influence of biological sex and age on spindle density in chronic insomnia.*

**2:30 pm**

**Stretch break**

**3:00 pm**

**Dr. Natalie Tronson**  
University of Michigan  
Ann Arbor MI

*Sex differences in memory:  
Strategies, systems, and molecular mechanisms.*

**3:50 pm**

**Concluding remarks**

*This symposium is generously funded by the Psychology Department and the Office of the Vice President, Research and Graduate Studies, Concordia University*