# 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 if 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*