

## The Population Health Research Institute Perioperative Care Lectureship

**Monday, February 24**

**5:00 – 5:30 pm Wine and Cheese, Atrium**

**5:30 – 6:30 pm Lecture, Auditorium**

**David Braley Research Institute, 20 Copeland Avenue**

**Beverley Orser, MD, PhD, FRCPC (*Bio Below*)**



**Chair of the Department of Anesthesiology and  
Pain Medicine,  
Former Canada Research Chair in Anesthesia and  
Professor of Anesthesia and Physiology  
University of Toronto**

## Preserving Brain Function after Anesthesia and Surgery

**Learning Objectives:**

- 1. To understand the incidence and risk factors associated with postoperative neurocognitive deficits.**
- 2. To learn about the new nomenclature for postoperative neurocognitive deficits and recent practice guidelines.**
- 3. To identify mechanisms underlying postoperative neurocognitive deficits and potential new treatments.**

Dr. Beverley Orser is the **Chair of the Department of Anesthesiology and Pain Medicine**, former **Canada Research Chair in Anesthesia** and Professor of Anesthesia and Physiology at the University of Toronto, a practicing anesthesiologist at the **Sunnybrook Health Sciences Centre** in Toronto, and a co-founder of the Perioperative Brain Health Centre ([www.perioperativebrainhealth.com](http://www.perioperativebrainhealth.com)). With over 20 years of experience in neuroscience research, she has authored >190 publications. Dr. Orser's research aims to understand the role of



GABA receptors in learning and memory. Her lab pioneered the study of extrasynaptic GABA<sub>A</sub> receptors as drug targets, discovered that these receptors were regulated by endogenous factors, such as cytokines, and that they also contribute to post-anesthetic cognitive deficits.

Her leadership has been recognized by election to the Royal Society of Canada, the Canadian Academy of Health Science and the National Academy of Medicine of the United States.