

# U of T IDCCM Critical Care Physiology Rounds

Tuesday, May 30, 2017

**THEME:** Neurophysiology

Session 1, 4:30 pm - 5:15 pm

**Wireless extra- and intracranial monitoring in the ICU:**

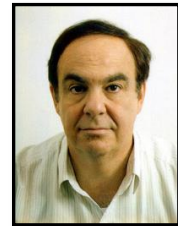
**Latest Advances in Neuroengineering**

**Peter Carlen, MD, FRCPC**

Senior Scientist, Krembil Research Institute

Research Division Head, Krembil Research Institute

Professor, Division of Neurology, Department of Medicine, and Department of Physiology, University of Toronto



**Objectives:**

1. To introduce EEG signal processing for ICU patient monitoring.
2. To appreciate how advances in electrodes and wireless communication can impact neurological ICU patient management.
3. Chemical sensing: To introduce antifouling technology in the context of electrode arrays for measuring different ambient intracranial chemical elements.

Session 2, 5:15 pm – 6:00 pm **TBA**

**Chair:** Dr. Alberto Goffi

**Co-Chair:** Dr. Jeffrey Singh

**Time:** 4:30 pm - 5:30 pm

**Host Site:** Hospital for Sick Children, PGCR Research Tower, 686 Bay Street, 3rd Floor, Multimedia Room

[Kindly RSVP here](#) (refreshments available) or to Louisa ([MatelaL@smh.ca](mailto:MatelaL@smh.ca); 416-864-5686) on or before Monday, May 29th.

**Videoconference Sites:** Windsor Regional Hospital, Cottam Room; Lakeridge Health Hospital, Critical Care Conf Room

**Webcast:** <http://webcast.otn.ca>

- Select Live Events / Private
- Username: **CCPR** / Password: **rounds**
- Webcast questions/comments: [Alberto.Goffi@uhn.ca](mailto:Alberto.Goffi@uhn.ca)

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