

10th Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI
McIntyre Medical Building, 3655 Promenade Sir-William-Osler, Montreal, Room 330
July 16-17, 2026

Thursday July 16, 2026

Moderator: Ron Dandurand, McGill University, Canada

8:30 h Ron Dandurand, McGill University, Canada

Welcome to the Seminar

8:35 h Rory Chan, University of Dundee, U.K. - **Virtual**

Key insights from the Oscillometry Asthma Registry

8:55 h Alexander Matheson, McMaster University, Canada

^{129}Xe MRI versus spirometry and oscillometry measurements of airway obstruction in severe asthma

9:15 h Rachel Aladeeb, McGill University, Canada

Exploring the relationship between inflammatory phenotype and response to systemic corticosteroids

9:35 h Milind Sovani, University of Derby, U.K. - **Virtual**

The role of oscillometry in COPD - current evidence and future direction

9:55 h Vincent Fan, Harvard School of Medicine, U.S.A.

Large and small airway dysfunction in Veterans with environmental exposures

10:15 h Coffee

Moderator: Chung-Wai Chow, University of Toronto, Canada

10:35 h Eric Garshick, Harvard School of Medicine, U.S.A.

Longitudinal study design assigning the respiratory health of Veterans with environmental exposures

10:55 h Jason Bates, University of Vermont, U.S.A.

The physiologic components of impedance

11:15 h Geoff Maksym, Dalhousie University, Canada

Mechanisms for inversion of respiratory system reactance

11:35 h Sam Bayat, Université Grenoble Alpes, France

Transfer admittance chest imaging using airborne ultrasound surface motion detection

Lunch 12:00 - 13:00 h



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Moderator: Charlie Ivin, University of Vermont, U.S.A.

13:00 h Chung-Wai Chow, University of Toronto, Canada

Evidence-based interpretation guidelines for oscillometry

13:20 h Sundeep Salvi, PURE Foundation, India

Diagnostic thresholds for oscillometry in Indian adults

13:40 h Deesha Ghorpade, PURE Foundation, India

Diagnostic thresholds for oscillometry in Indian children

14:00 h Tina Aghdam, Université de Montréal, Canada

tremoFlo-specific reference equations for respiratory oscillometry in a Canadian adult population

14:20 h Dimitris Toumpanakis, University of Athens, Greece - Virtual

Contribution of peripheral airways dysfunction to poor quality of life in sarcoidosis

Coffee 14:40 h

Moderator: Deborah Assayag, McGill University, Canada

15:00 h Lars Knudsen, Hannover Medical School, Germany

Using oscillometry to establish structure-function relationships in models of acute injury and fibrosis

15:20 h Glenn Crater, Innospera Pharma, Canada

Oscillometry in patients with obesity and metabolic syndrome

15:40 h Rafael E. de la Hoz, Mount Sinai School of Medicine, U.S.A.

Oscillometry in the evaluation of lower airway diseases in WTC occupational cohorts

16:00 h Joyce Wu, University of Toronto, Canada

Trajectory of oscillometry after lung transplant

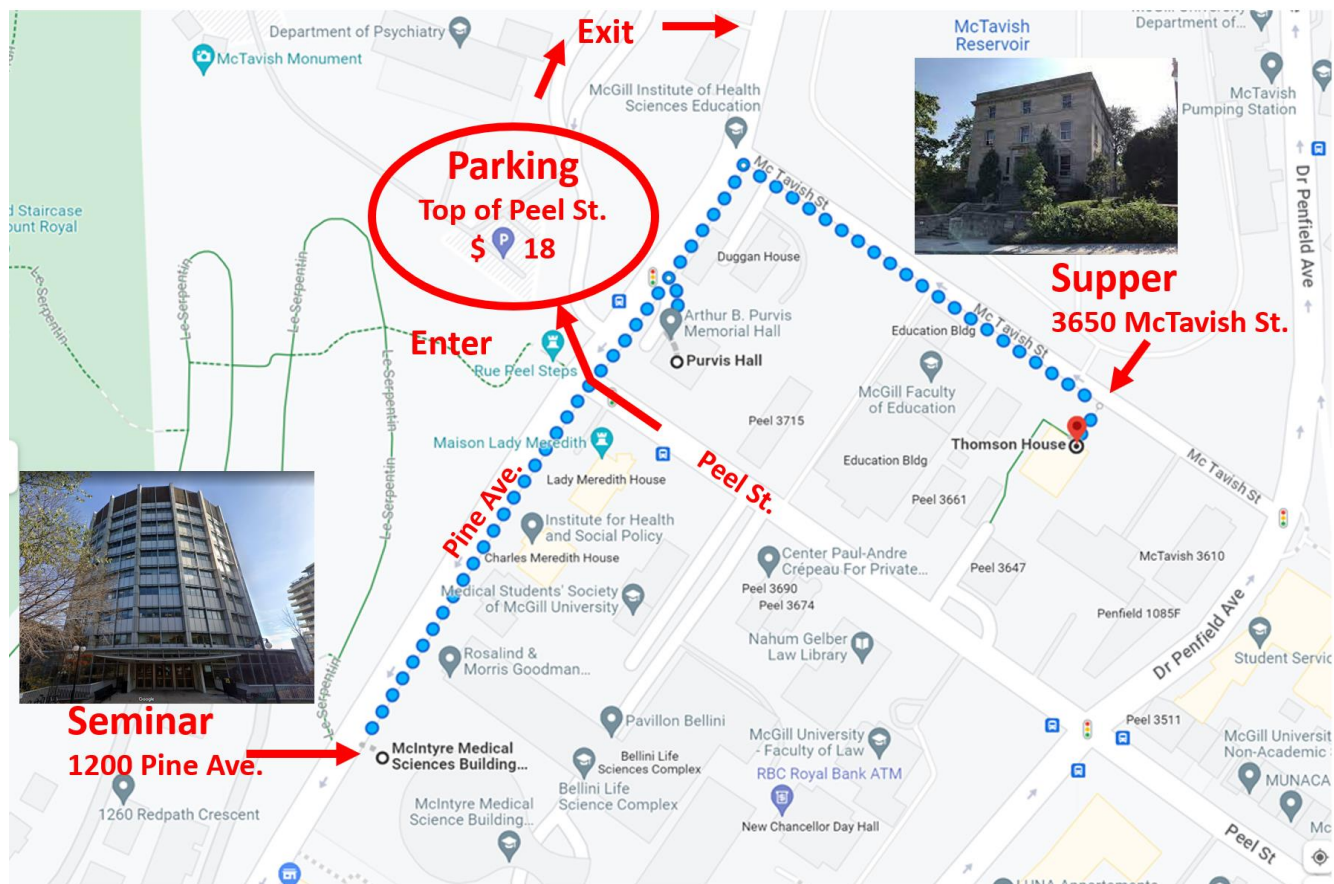
16:20 h Charlie Ivin, University of Vermont, U.S.A.

Oscillometry in the temporal domain: LEAD four years later

16:20 h Day 1 Wrap Up

17:00 h Networking Cocktail & Supper, Thomson House, 3650 McTavish St.





Funding for the Seminar is provided by:



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Friday July 17, 2026

Moderator: Larry Lands, McGill University, Canada

8:30 h Ron Dandurand, McGill University, Canada

Welcome back to the Seminar

8:35 h Zoltán Hantos, University of Szeged, Hungary

Functional phenotyping of pulmonary diseases based on intra-breath impedance vectors

8:55 h Matthew Wong University of Queensland, Australia - **Virtual**

Pre and post bronchodilator Z-vector responses amongst asthmatic children

9:15 h Sára Németh, University of Szeged, Hungary

Preservation of intra-breath impedance loop patterns in childhood: a cohort study

9:35 h Mohamed Belhadj, Université de Montréal, Canada

Oscillometry and multi-breath washout in pediatric cystic fibrosis

9:55 h Kate Hamlington Smith, University of Colorado, U.S.A.

Oscillometry in preschool children: Practical lessons from the clinic

10:15 h Coffee

Moderator: Charlie Irvin, University of Vermont, U.S.A.

10:35 h Chiara Veneroni, Politecnico di Milano, Italy

Oscillometry applications in the neonatal intensive care unit

10:55 h Samer Bou Jawde, Boston University, U.S.A. - **Virtual**

Lung volume and respiratory mechanics: Non-invasive estimation during high frequency ventilation

11:15 h Bradford Smith, University of Colorado, U.S.A.

Oscillometry-based predictions of ventilator-induced lung injury pathogenesis

11:35 h Raffaele Dellacà, Politecnico di Milano, Italy

Oscillometry for lung function testing in unconventional settings; mechanical ventilation to the sky

Lunch 12:00 - 13:00 h



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Moderator: Bryan Ross, McGill University, Canada

13:00 h Hana Badawi, McGill University, Canada

Comparing the bronchodilator response in asthma using respiratory oscillometry and spirometry

13:20 h Halyssa Han, McGill University, Canada

Tiffeneau-Goldman ratio: A novel bedside metric of the alpha-1 antitrypsin deficiency oscillometry-spirometry paradox

13:40 h Alexandre Siou, McGill University, Canada

Inhaled therapy strategy optimization in the management of acute exacerbations of COPD: An observational study

14:00 h Seyed Nabavi, McGill University, Canada

Predicting acute exacerbations of COPD using wearable devices and handheld oscillometry (ePredictAECOPD)

14:20 h Seminar Wrap Up

