

# 6<sup>th</sup> Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI

Part I: via Zoom, July 20, 2022, 7:00-9:00 h

**7:00 h Ron Dandurand, McGill University, Canada**

Welcome to the seminar and Oscillometry anecdotes from the wards and clinic

**Discussant: Peter Calverley, University of Liverpool, U.K.**

**7:20 h Sylvia Verbanck, Vrije Universiteit, Belgium**

A new clue about convective flow heterogeneity from MBW modelling: can this be verified by oscillometry?

**Discussant: Jason Bates, University of Vermont, U.S.A.**

**7:40 h Jason Bates, University of Vermont, U.S.A.**

Fitting a branching airway tree model to Zrs

**Discussant: Jeff Fredberg, Harvard School of Public Health, U.S.A**

**8:00 h Davide Bizzotto, Politecnico di Milano, Italy**

Validation of novel small, handheld, turbine-based oscillometry device

**Discussant: Jason Bates, University of Vermont, U.S.A.**

**8:20 h Sam Bayat, Université Grenoble Alpes, France**

Tidal change in respiratory resistance is associated with a history of asthma diagnosis and wheezing in 3-year-old children: the SEPAGES cohort

**Discussant: Shannon Simpson, Curtin University, Australia**

**8:40 h Geoff Maksym, Dalhousie University, Canada**

Saving time and getting better data – reducing variability and improving feasibility and accuracy in oscillometry

**Discussant: Zoltan Hantos, Semmelweis University, Hungary**



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# 6<sup>th</sup> Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI  
Part II: via Zoom, July 27, 2022, 7:00-9:00 h

**7:00 h Ron Dandurand, McGill University, Canada**

Welcome back to the seminar

**7:05 h Chung-Wai Chow, University of Toronto, Canada**

Stretching the limits of oscillometry in ILD

**Discussant: Peter Sly, Deakin University, Australia**

**7:25 h Ramon Farre, University of Barcelona, Spain**

Measuring intra-subject changes in respiratory mechanics by oscillometry:  
impedance vs. admittance

**Discussant: Raffaele Dellaca, Politecnico di Milano, Italy**

**7:45 h Laura Gochicoa, Instituto Nacional de Enfermedades Respiratorias, Mexico**

A novel procedure for developing a single oscillometry reference equation for 3-93 years old subjects

**Discussant: Claude Farah, University of Sydney, Australia**

**8:05 Paolo Iglesias, McGill University, Canada**

Correlation of COPD Symptoms with Intra-Breath Respiratory Oscillometry

**Discussant: Ynuk Bossé Université Laval, Canada**

**8:25 h Sundeep Salvi, Pulmocare Research and Education (PURE) Foundation, India**

The ARISE Network: The Potential for the Deployment of the Oscillometry Network in the Indian Sub-Continent.

**Discussant: Ron Dandurand, McGill University, Canada**



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# 6<sup>th</sup> Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI  
Part III: via Zoom, August 3, 2022, 7:00-9:00 h

**7:00 h Ron Dandurand, McGill University, Canada**

Welcome back, yet again, to the seminar

**7:01 h Charl Verwey, University of the Witwatersrand, South Africa**

Oscillometry after severe RSV LRTI during infancy

**Discussant: Dorottya Czovek, Semmelweis University, Hungary**

**7:20 h Dorottya Czovek, Semmelweis University, Hungary**

Respiratory mechanics and pressure support in children with chronic respiratory failure

**Discussant: Peter Moschovis, Harvard Medical School, U.S.A.**

**7:40 h Tiffany Bradshaw, Telethon Kids Institute, Australia**

Detecting reversible airway disease in those born preterm – Which is the best test?

**Discussant: Paul Robinson, University of Sydney, Australia**

**8:00 h Jacob Herrmann, University of Iowa, U.S.A.**

Imaging the regional distribution of nonlinear interactions among large-amplitude oscillations in the lungs

**Discussant: Geoff Maksym, Dalhousie University, Canada**

**8:20 h Katrina Tonga, University of Sydney, Australia**

Single lung transplantation for interstitial lung disease is characterized by abnormal reactance on oscillometry: results of a multi-center cross-sectional study

**Discussant: Natalie Belousova, University of Toronto, Canada**

**8:40 h Karen Sidhom, McMaster University, Canada**

Respiratory system resistance and reactance following recovery from non-critical COVID-19

**Discussant: Laura Gochicoa, Instituto Nacional de Enfermedades Respiratorias, Mexico**



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# 6<sup>th</sup> Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI  
Part IV: via Zoom, August 10, 2022, 7:00-9:00 h

**7:00 h Ron Dandurand, McGill University, Canada**

Welcome back to the seminar...again, again and yet, again!

**7:01 h Francine Ducharme, Université de Montréal, Canada**

Pediatric reference values for respiratory sinusoidal oscillometry in children aged 3 to 17 years: analytic challenges

**Discussant: Diane Gray, University of Cape Town, South Africa**

**7:20 h Heather Boas, Children's Hospital of Philadelphia, U.S.A.**

AOS and iOS in normal children: Is all oscillometry the same?"

**Discussant: Larry Lands, McGill University, Canada**

**7:40 h Ivan Cherrez-Ojeda, Espiritu Santo University, Ecuador**

Oscillometry in post-COVID-19 subjects

**Discussant: Chung-Wai Chow, University of Toronto, Canada**

**8:00 h David Kaminsky, University of Vermont, U.S.A.**

Longitudinal COVID study

**Discussant: Laura Gochicoa, Instituto Nacional de Enfermedades Respiratorias, Mexico**

**8:20 h Zoltan Hantos, Semmelweis University, Hungary**

Intra-breath oscillometry at multiple frequencies

**Discussant: Geoff Maksym, Dalhousie University, Canada**

**8:40 h Ron Dandurand, McGill University, Canada**

Setting an oscillometry course for the future: What is still missing?

**Discussants: Chung-Wai Chow, University of Toronto, Canada**

**David Kaminsky, University of Vermont, U.S.A**

**Paul Robinson, University of Sydney, Australia**



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