

# Montreal Oscillometry Summer Seminar

OSC Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI  
Glen DS1.1427, Conference Room near Cancer Centre Clinics and Cafeteria, August 2, 2018

**09:30 Ron Dandurand, McGill University, Canada**

Introductory remarks

**09:50 Jason Bates, University of Vermont, U.S.A.**

Computational modeling of lung impedance

**10:10 Hans-Jürgen Smith, Vyaire, Hoechst, Germany**

Theoretical and practical aspects of impulse oscillation technique

**10:30 Zoltan Hantos, University of Szeged, Hungary**

Intra-breath oscillation mechanics in ventilatory support

**10:50 Petra Reinhold, Friedrich-Loeffler-Institute, Germany**

Chances and limitations of oscillometry in large animal models

**11:10 Coffee Courtesy of AstraZeneca**

**11:30 Ubong Peters, University of Vermont, U.S.A.**

Oscillometry for detection of pulmonary airway collapse in obese patients with late-onset non-allergic asthma

**11:50 Queenie Huang, University of Toronto, Canada**

Comparison of spirometry and oscillometry in a prospective cohort of bone marrow and lung transplant recipients.

**12:10 Elizabeth Cho, University of Toronto, Canada**

Monitoring of lung function in the initial 3 months post double lung transplant using spirometry and oscillometry.

**12:30-13:00 Lunch Courtesy of AstraZeneca**

**13:20 Grace Parraga, University of Western Ontario, Canada**

Does functional imaging of small airways disease matter?

**13:40 Rachel Eddy, University of Western Ontario, Canada**

Relationship between pulmonary functional MRI and oscillometry

**14:00 Geoff Maksym, Dalhousie University, Canada**

Using ventilation imaging to guide understanding heterogeneity as measured by FOT, and updates on FOT performance data in asthma

**14:20 Coffee Courtesy of AstraZeneca**



**14:40 Teddy Xu, University of Toronto, Canada**

Development of machine learning to assess lung function with oscillometry

**15:00 Ynuk Bosse, University of Laval, Canada**

Reactance at 19 Hertz

**15:20 Jean-Pierre Lavoie, University of Montreal, Canada**

Equine within-breath oscillation mechanics

**15:40 Ben Smith, McGill University, Canada**

A COPD risk factor more powerful than smoking?

**16:00 Ron Dandurand, McGill University, Canada**

Comparison of 6 oscillometry devices against standardized test loads

**16:20 "One Sliders"**

**Zoltan Hantos, University of Szeged, Hungary**

Surprise

**Francine Ducharme, University of Montreal**

The observed proportional bias between tremoFlo and Jaeger IOS

**Ron Dandurand, McGill University, Canada**

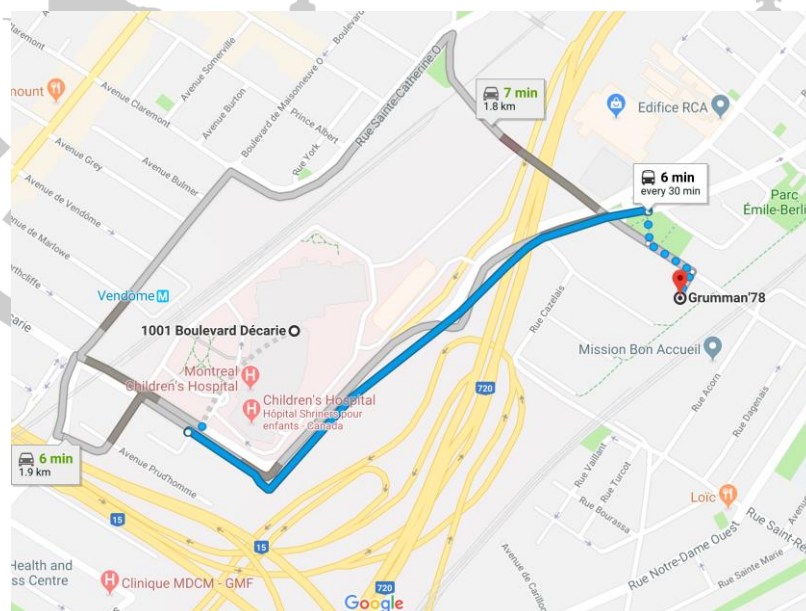
A<sub>x</sub>: the "go to" metric of oscillometry?

**Open Discussion**

**17:15 Closing Remarks**

**18:00 Reception and Supper Courtesy of Boehringer-Ingelheim**

Grunman '78, 630 rue de Courcelle, Montréal, QC H4C 3C5



	Name		Institution	Supper
1	Annett	Christie	AstraZeneca	Yes
2	Bates	Jason	U Vermont	Yes
3	Bosse	Ynuk	U Laval	Yes
4	Chauvin	Mary-Lou	Boehringer-Ingelheim	Yes
5	Cho	Elizabeth	U Toronto	Yes
6	Chow	Chung-Wai	U Toronto	Yes
7	Dajczman	Esther	AstraZeneca	Yes
8	Dandurand	Ron	McGill U	Yes
9	Eddy	Rachel	U Western Ontario	Yes
10	Eidelman	David	McGill U	No
11	Grudin	Oleg	Spiro-Tech Inc.	Yes
12	Godfried	Stewart	McGill U	Yes
13	Goldberg	Peter	McGill U	Yes
14	Hantos	Zoltan	U Szeged/Budapest	Yes
15	Huang	Queenie	U Toronto	Yes
16	Lands	Larry	McGill U	Yes
17	Lauzon	Anne-Marie	McGill U	Yes
18	Lavoie	Jean-Pierre	U Montreal	Yes
19	Lumblad	Lennart	Thorasys	Yes
20	Maksym	Geoff	Dalhousie U	Yes
21	Niro	Frank	McGill U	Yes
22	Ouelette	Marylene	Boehringer-Ingelheim	Yes
23	Parraga	Grace	U Western Ontario	Yes
24	Peters	Ubong	U Vermont	Yes
25	Reinhold	Petra	Friedrich-Loeffler Institute	Yes
26	Savadjiev	Peter	McGill U	Yes
27	Schuessler	Thomas	Thorasys	Yes
28	Smith	Ben	McGill U	Yes
29	Smith	Hans-Juergen	Vyair	Yes
30	Stachowicz	Nadia	Vyair	Yes
31	Xu	Teddy	U Toronto	Yes
32	Drapeau	Guy	Thorasys	Yes
33	Beaudoin	Yvan	Thorasys	Yes
34	Chong	Jaron	McGill U	Yes
35	Dumas	Marie-Pier	McGill U	Yes
36	O'Farrell	Kevin	McGill U	Yes
37	Ducharme	Francine	U Montreal	No
38	O'Connell	Jennifer	AstraZeneca	Yes





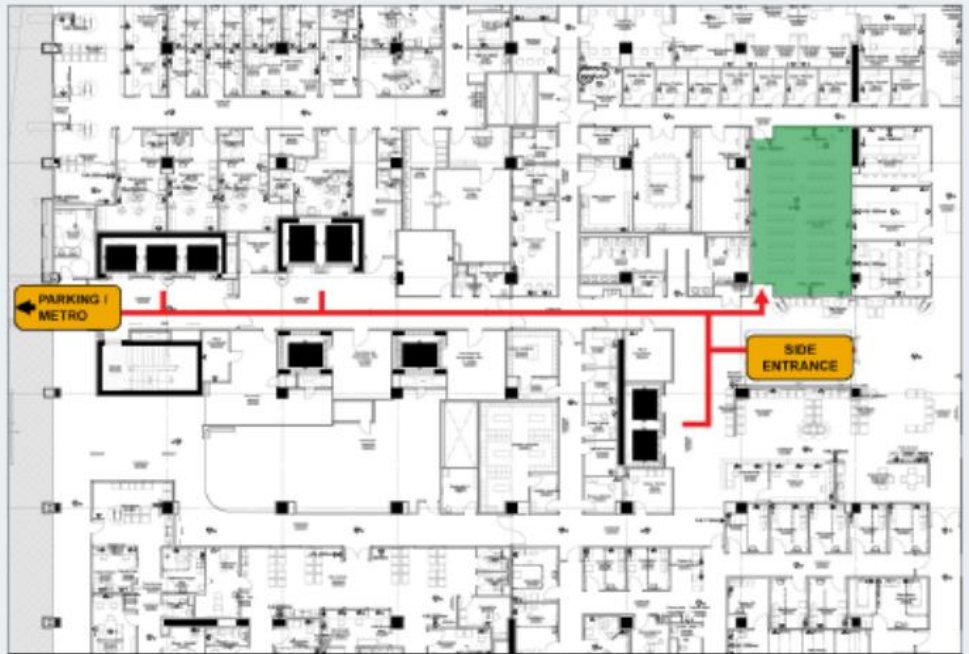
Métro  
Vendôme

Boul. de Maisonneuve Ouest

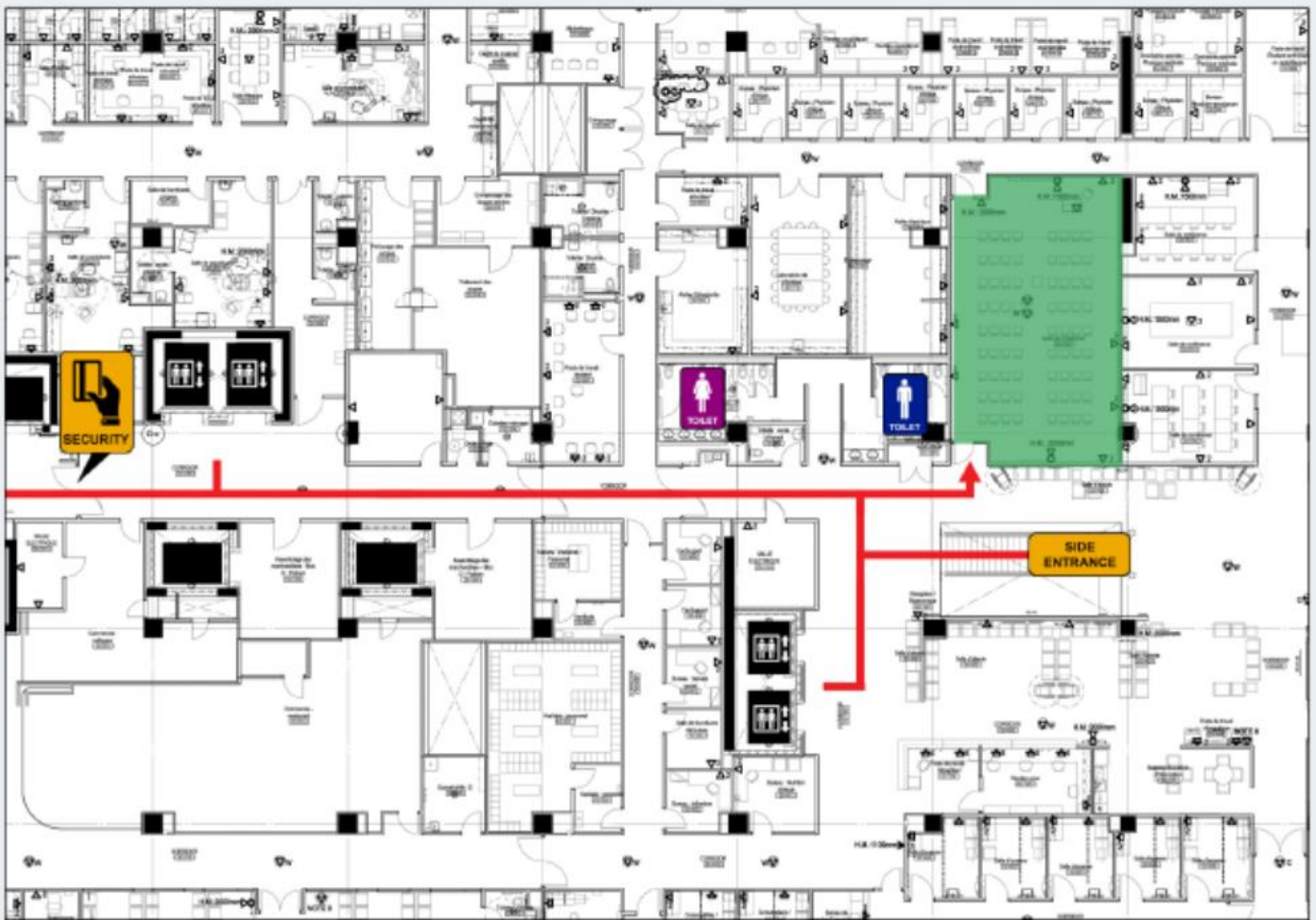


Rue Saint-Jacques

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**BLOC D - FLOOR S1 - ZOOM X2**



**BLOC D - FLOOR S1 - ZOOM X3**



