

7th 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, July 27-28, 2023

Thursday July 27, 2023

Moderator: Ron Dandurand

9:00 h Ron Dandurand, McGill University, Canada

Welcome to the Seminar

9:05 h Jeff Fredberg, Harvard School of Public Health, U.S.A. - **Virtual**

Better than plethysmography: tracking TLC in patients using oscillometry

9:24 h Yi-Han Hsiao, National Yang Ming Chiao Tung University, Taiwan - **Virtual**

Using oscillometry to evaluate static lung hyperinflation in patients with severe asthma

9:43 h Silpa Krefft, University of Colorado, U.S.A.

Comparison of lung clearance index and oscillation testing in Southwest Asia deployed veterans with asthma

10:02 h Jason Bates, University of Vermont, U.S.A. - **Virtual**

Insights into the asthma of obesity provided by an anatomically based inverse model of lung impedance

10:21 h Coffee

Moderator: Jason Bates

10:40 h Azadeh Yadollahi, University of Toronto, Canada

Applications of oscillometry to assess small airway narrowing in persons with asthma and obstructive sleep apnea

11:00 h Misha Fotovati, McGill University, Canada

Assessing asthma control: a comparative analysis of spirometry and respiratory oscillometry

11:20 h Sarah Svenningsen, McMaster University, Canada - **Virtual**

Effects of dupilumab on airway oscillometry measurements in patients with moderate-to-severe asthma: a double-blind, randomised, placebo-controlled trial

11:40 h Patrick Donohue, University of Rochester, U.S.A.

Comparing oscillometry in inducible laryngeal obstruction to asthma

Lunch 12:00 - 13:00 h



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13:00 h Ramon Farré, University of Barcelona, Spain – **Virtual** Moderator: Charlie Irvin

A novel e-Health oscillometry approach: low-cost, open-source app-driven device

13:20 h Rajoshi Biswas, Cognita Labs, U.S.A. - **Virtual**

Home monitoring of chronic obstructive pulmonary disease using oscillometry: a feasibility pilot

13:40 h David Kaminsky, University of Vermont, U.S.A.

Sniffing the air and tickling the lungs: feasibility of monitoring the effects of indoor particulate exposure by home oscillometry in patients with COPD who heat their home with wood

14:00 h Ynuke Bossé & Magali Boucher, Laval University, Canada

Airway smooth muscle protects against hyperresponsiveness

14:20 h Coffee

Moderator: David Kaminsky

14:40 h Deborah Assayag, McGill University, Canada

Oscillometry in interstitial lung disease

15:00 h Phil Dormish, New York University, U.S.A.

Differing respiratory mechanics uncovered by oscillometry in patients with COPD

15:20 h Paolo Medina, McGill University, Canada

Oscillometry in relation to spirometric impairment in adult cystic fibrosis

15:40 h h Charlie Irvin, University of Vermont, U.S.A.

Oscillometry performance in a large general population

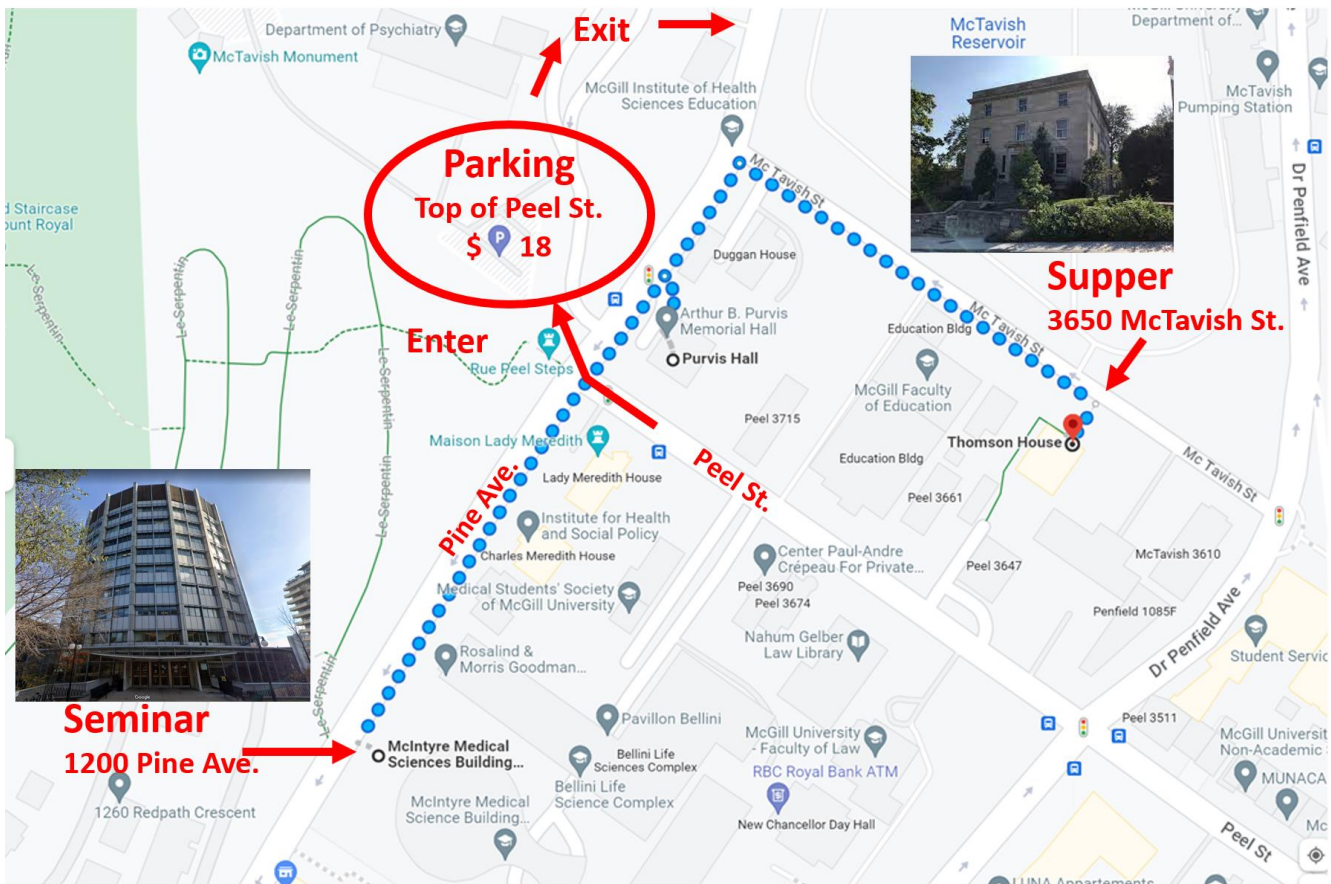
16:00 h Day 1 Catch up & wrap up

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



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Funding for the Seminar is provided by:



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Friday July 28, 2023

Moderator: Chung-Wai Chow

9:00 h Ron Dandurand, McGill University, Canada

Welcome back to the Seminar

9:05 Sundeep Salvi, PURE Foundation, India - **Virtual**

Educating physicians about lung oscillometry in India: our experience with OMEGA (Oscillometry Training Program for Lung Diseases)

9:24 h Deesha Ghorpade, PURE Foundation, India - **Virtual**

Prevalence of small airways dysfunction as defined by R_{5-20} in the Indian asthmatic population

9:43 h Andy Keymolen, Vrije Universiteit Brussel, Belgium

Validation of a novel low-frequency oscillometric measurement functionality implemented in a mechanical ventilator

10:02 h Béla Suki, Boston University, U.S.A. - **Virtual**

Low frequency impedance during variable ventilation of human ARDS patients

10:21 h Coffee

Moderator: Geoff Maksym, Dalhousie University

10:40 h Rosaura Benítez Perez, Instituto Nacional de Enfermedades Respiratorias, Mexico - **Virtual**

Oscillometry from the ashes

11:00 h Zoltán Hantos, Semmelweis University, Hungary - **Virtual**

Intra-breath spectral oscillometry: strengths and limitations

11:20 h Chung-Wai Chow, University of Toronto, Canada

Monitoring of lung function post-lung transplant: An early indicator of graft injury

11:40 h Joyce Wu, University of Toronto, Canada

Case studies of oscillometry vs spirometry

12:00 Day 2 Wrap Up

Lunch 12:00 - 13:00 h



Attendees

In-Person				Virtual			
No.	Name	Surname	Affiliation	No.	Name	Surname	Affiliation
1	Stephanie	Alexandre	Lakeshore General Hopsital	54	Romeo	Alam	McGill U
2	Carol	Artico	McGill U	55	Jason	Bates	U vm
3	Deborah	Assayag	McGill U	56	Sam	Bayat	U Grenoble
4	Raquel	Assayag	McGill U	57	Murry	Beaton	Novus Medical
5	Serine	Ben Abdessalem	Thorasys	58	Rajoshi	Biswas	Cognita Labs
6	Sarah	Beydoun	McGill U	59	Baby	Bosse-Boucher	Laval U
7	Claudia	Bilodeau	Boehringer-Ingelheim	60	Bindi	Brook	U Notingham
8	Jennifer	Bordeleau	Regeron	61	Peter	Calverely	U Liverpool
9	Ynuk	Bosse	U Laval	62	Jun Chun	Chia	Singapore General Hospital
10	Magali	Boucher	U Laval	63	Richard	Costello	RCSI
11	Caleb	Bouhairie	Lakeshore General Hopsital	64	Stephanie	Cyr	AstraZeneca
12	David	Brunet	SCIREQ	65	Julie	Desrochers	St. Mary's Hospital
13	Shaghayegh	Chavoshian	U of T	66	Nermin	Diab	McMaster U
14	Chung-Wai	Chow	U of T	67	Graham	Donovan	U Auckland
15	Felix-Antoine	Coutu	McGill U	68	Rachel	Eddy	UBC
16	Ron	Dandurand	McGill U	69	Michael	Falvo	Rutgers U
17	Patrick	Donohue	U Rochester	70	Ramon	Farre	U Barcelona
18	Phil	Dormish	New York U	71	Jeff	Fredberg	Harvard School of Public Health
19	Michelle	El-Koury	AstraZeneca	72	Edith	Garon	Vertex
20	Misha	Favoroti	McGill U	73	Deesha	Ghorpade	PURE Foundation
21	Stewart	Gottfried	McGill U	74	Alessandro	Gobbi	Restech
22	Marc	Harois	COVIS Pharma	75	Laura	Gochicoa	Instituto Nacional de Enfermedades Respiratorias
23	Michael	Harvey	Valeo Pharma	76	Zoltan	Hantos	Semmelwiess U
24	Chistorpher	Held	AstraZeneca	77	Yi-Han	Hsiao	National Yang Ming Chiao Tung U
25	Julie	Hoffman	Valeo Pharma	78	Olivia	Iorio	McGill U
26	Charlie	Ivin	U Vm	79	Herman	Jacob	U Iowa
27	Sagi	Kaduri	McGill U	80	David	Kaczka	U Iowa
28	David	Kaminsky	U Vm	81	David	Kasahara	Arrowhead Pharma
29	Andy	Keymolen	Vrije Universiteit Brussel	82	Janwillem	Kocks	OPRI
30	Nelly	Komari	Valeo Pharma	83	Karen	Li	Boehringer-Ingelheim
31	Silpa	Krefft	U Colorado	84	Dany	Malaeb	McGill U
32	Larry	Lands	McGill U	85	Sahar	Mikaeeli	McGill U
33	Samuel	Laventure	Merck	86	Param	Nair	McMaster U
34	Mathilde	Leclere	U Montréal	87	Ron	Olivenstein	McGill U
35	Laurence	Leduc	U Montréal	88	Grace	Parraga	U Weteren Ontario
36	Lennart	Lundblad	Thorasys	89	Piloteo	Pasquini	St. Mary's Hospital
37	Geoff	Maksym	Dalhousie U	90	Rosaura	Perez	Instituto Nacional de Enfermedades Respiratorias
38	Paolo	Medina	McGill U	91	Roby	Perissin	MGC Diagnostics
39	Doreen	Miao	Thorasys	92	Pasquale	Pio Pompilio	Restech
40	Emi	Myzeqari	Thorasys	93	Kim	Prisk	UCSD
41	Aurore	Nzaramba	AstraZeneca	94	Kareshma	Ramcharan	University of KwaZulu-Natal
42	Amanda	O'Farrell	U Montréal	95	Bryan	Ross	McGill U
43	Rodger	Pang	McGill U	96	Sundeeep	Salvi	PURE Foundation
44	Annie	Prendergast	GSK	97	Shannon	Simpson	Telethon Kids Institute
45	Arash	Rad	McGill U	98	Bharat	Soni	University of Cote d'Azur
46	Annette	Robichaud	None	99	Petra	Stockinger	Breaz SL
47	Wendy	Sinclair	Ste-Anne's Hospital	100	Bela	Suki	Boston U
48	Nataly	Thiffault	Boehringer-Ingelheim	101	Sarah	Svenningsen	McMaster U
49	Luis	Torres	McGill U	102	Bruce	Thompson	Monash U
50	Sylvia	Verbanck	Vrije Universiteit Brussel	103	Katie	Tsukahara	U Utah
51	Tessa	Whiteley	Thorasys	104	Derling	Uriostehui	Hospital Ángeles Puebla
52	Joyce	Wu	U of T	105	Chai Hui	Zhong	Singapore General Hospital
53	Azadeh	Yadollahi	U of T				



Networking Cocktail & Supper

17:00 h Terrasse Cocktails

Assorted Cheeses & Crackers

Freshly Sliced Fruit

Cash Bar: Red & White Wine,

Assorted Beers & Spirits

18:15 h Ballroom Supper

Arugula and Beet Salad

Mushroom Risotto

or

Roasted Salmon

or

Red Wine Braised Beef

Chocolate Mousse Cake

Complimentary Red (Parajes del Valle, Spain) and

White (Chateau de Puce Touraine, France) Wine

