

# 8th 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 18-19, 2024

Thursday July 18, 2024

9:00 h Moderator: Ron Dandurand, McGill University, Canada

Welcome to the Seminar

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

The mechano-inflammatory vicious circle: a new understanding of airway narrowing in asthma

9:24 h Nidhya Navanandan, University of Colorado, U.S.A.

Airwave oscillometry for assessment of asthma exacerbation severity and treatment response in the pediatric emergency department

9:43 h Marissa McIntosh, University of Iowa, U.S.A. - **Virtual**

Poorly controlled eosinophilic asthma: Relationships of airwave oscillometry with CT airway measurements

10:02 h Rachel Eddy, University of British Columbia, Canada - **Virtual**

Oscillometry to measure effects of cannabis smoking and vaping

10:21 h Coffee

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

10:40 h Eric Garshick, VA Boston Healthcare System, Harvard Medical School, U.S.A.

Quantitative chest CT-defined structure and pulmonary function among US veterans deployed to Afghanistan and Iraq

11:00 h Silpa Krefft, University of Colorado, U.S.A. - **Virtual**

Making waves: Oscillometry in burn pit and deployment-exposed U.S. military veterans

11:20 h Ynuk Bossé & Magali Boucher, Laval University, Canada

A quick oscillometric method to measure airway distensibility in mice

11:40 h Richard Costello, Royal College of Surgeons in Ireland, Ireland - **Virtual**

Alan Kaplan, University of Toronto, Canada - **Virtual**

Janwillem Knocks, University of Groningen, Netherlands - **Virtual**

Obstacles to oscillometry deployment in routine practice: A round table discussion

**Lunch 12:00 - 13:00 h**



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Moderator: Larry Lands, McGill University, Canada

**13:00 h Kate Hamlington Smith, University of Colorado Anschutz , U.S.A.**

Respiratory phenotype characterization with oscillometry in wheezy preschoolers

**13:20 h Laura Maria Grajeda, University of Guatemala, Guatemala**

Pulmonary oscillometry of Guatemalan preschool children from the Household Air Pollution Intervention Network Trial

**13:40 h Misha Fotovati, McGill University, Canada**

Oscillometry in adolescents living with obesity

**14:00 h Dany Malaeb, McGill University, Canada**

Measuring lung mechanics in patients with COPD using the handheld portable Rapid Expiratory Occlusion Monitor (REOM): A cross-sectional study

**14:20 h Coffee**

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

**14:40 h Deborah Assayag, McGill University, Canada**

Oscillometry and longitudinal change in lung function in patients with ILD

**15:00 h Shin Furutaka, Nara Medical University, Japan - Virtual**

Analysis of phase-shifted FOT parameters as an auxiliary diagnosis for IPF/UIP

**15:20 h Roger Pang, McGill University, Canada - Virtual**

Characterizing COPD using alpha-1 antitrypsin genotype, spirometry, and respiratory oscillometry

**15:40 h h Charlie Irvin, University of Vermont, U.S.A., for the LEAD Investigators**

LEAD Study: 4-year follow-up: Making Oscillometry more approachable-the Power of Z

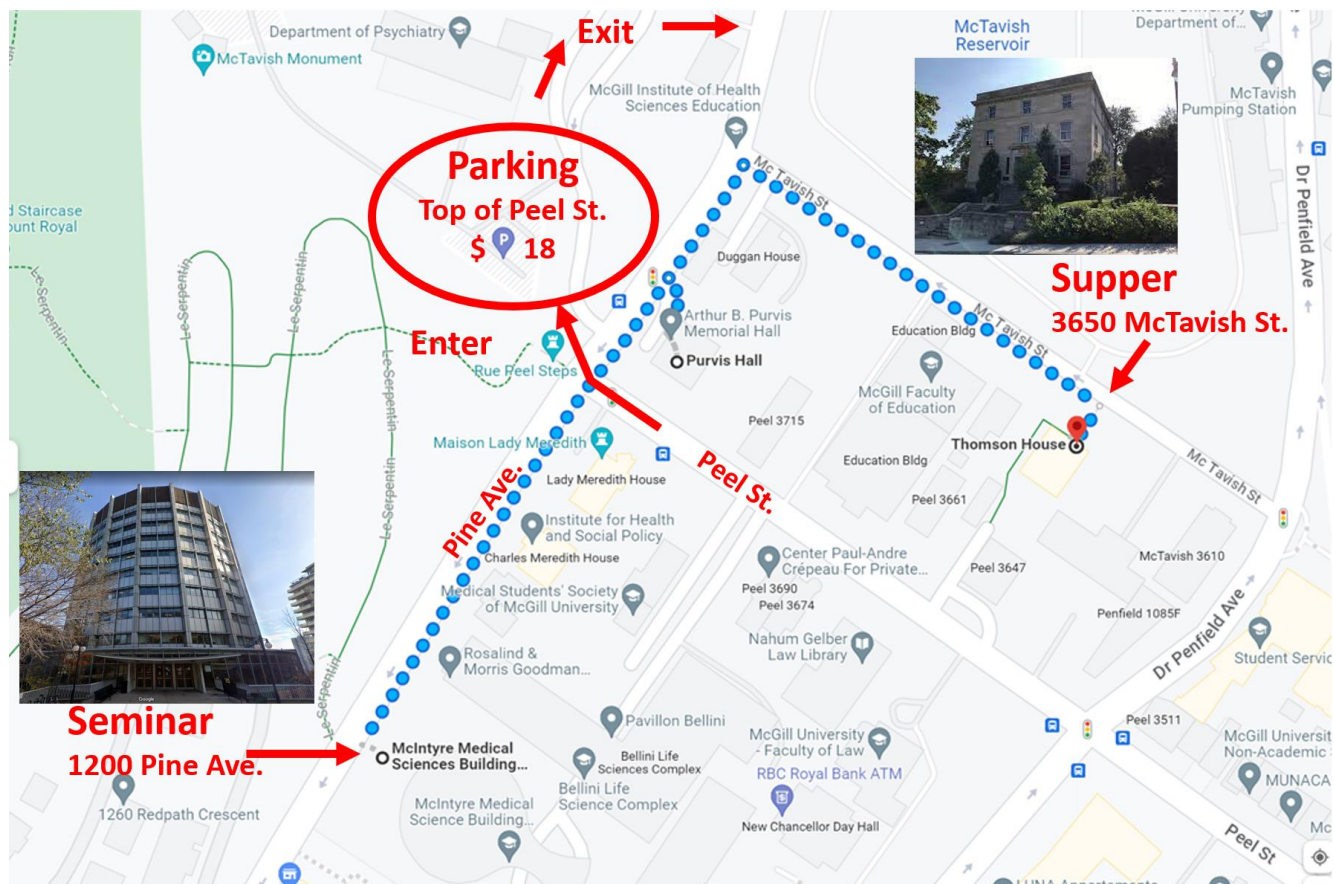
**16:00 h Day 1 Catch up & wrap up**

**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 19, 2023

Moderator: Bryan Ross, McGill University, Canada

9:00 h Ron Dandurand, McGill University, Canada

Welcome back to the Seminar

9:05 h Jason Bates, University of Vermont, U.S.A.

Oscillometry during mechanical ventilation of the injured lung

9:24 h Andy Keymolen, Vrije Universiteit Brussel, Belgium

Longitudinal assessment of the respiratory mechanics of intubated patients on IMV during pressure support ventilation via low-frequency oscillometry

9:43 h Tadahisa Numakura, University of Toronto, Canada

Association of oscillometry abnormality with functional status and respiratory symptoms post-COVID

10:02 h Geoff Maksym, Dalhousie University, Canada

Oscillometry in long covid and quality control

10:21 h Coffee

Moderator: Geoff Maksym, Dalhousie University, Canada

10:40 h Zoltán Hantos, Semmelweis University, Hungary - **Virtual**

Oscillometry in infants: methodological aspects

11:00 h Yacine Marouf, University of Toronto, Canada

Impact of multi-frequency and sparse frequency oscillometry on derivation of AX values

11:20 Sára Németh, University of Szeged, Hungary – **Virtual**

Machine learning assessment of tidal expiratory flow limitation from intra-breath oscillometry data in obesity hypoventilation syndrome

11:40 h Botond Sipos, Semmelweis University, Hungary and University of Toronto - **Virtual**

Incidence of small airway dysfunction in a lung transplant follow-up study

12:00 Day 2 Wrap Up

**Lunch 12:00 - 13:00 h**



# Attendees

| In-Person |             |                  | Virtual |           |              |
|-----------|-------------|------------------|---------|-----------|--------------|
| No.       | Name        | Affiliation      | No.     | Name      | Affiliation  |
| 1         | Tina        | Aghdam           | 57      | Sania     | Aftab        |
| 2         | Stephanie   | Alexandre        | 58      | Carol     | Artico       |
| 3         | James       | Anglehart        | 59      | Yadollahi | Azadeh       |
| 4         | Deborah     | Assayag          | 60      | Sam       | Bayat        |
| 5         | Maxime      | Baril            | 61      | Murray    | Beaton       |
| 6         | Janon       | Bates            | 62      | Juliette  | Begin        |
| 7         | Livia       | Batisti          | 63      | Ken       | Berger       |
| 8         | Phillip     | Belanger         | 64      | Sarah     | Beydoun      |
| 9         | Ynuck       | Bosse            | 65      | Bindi     | Brook        |
| 10        | Magali      | Boucher          | 66      | Shay      | Chavoshian   |
| 11        | Christain   | Budeci           | 67      | Ivan      | Cherrez      |
| 12        | Priscilla   | Catellier        | 68      | Juliano   | Colapelle    |
| 13        | Alyssa      | Channevy         | 69      | Stephen   | Costella     |
| 14        | Kim         | Chow             | 70      | Richard   | Costello     |
| 15        | Chung-Wai   | Chow             | 71      | Julie     | Desrochers   |
| 16        | Ron         | Dandurand        | 72      | Patric    | Donohue      |
| 17        | Adel        | El Boueiz        | 73      | Rachel    | Eddy         |
| 18        | Michelle    | El Koury         | 74      | Devechio  | Edwards      |
| 19        | Michele     | Felix            | 75      | Cynthia   | El Hage      |
| 20        | Misha       | Fotovati         | 76      | Catherine | Farrow       |
| 21        | Janie       | Garshich         | 77      | Jeff      | Fredberg     |
| 22        | Eric        | Garshick         | 78      | Shin      | Furutaka     |
| 23        | Laura       | Grajeda          | 79      | Deesha    | Ghorpade     |
| 24        | Oleg        | Gruđen           | 80      | Zoltan    | Hantos       |
| 25        | Kate        | Hamlington Smith | 81      | Philine   | Hong         |
| 26        | Christopher | Held             | 82      | Herrmann  | Jacob        |
| 27        | Halyssa     | Ho               | 83      | Alyson    | Jiang        |
| 28        | Charlie     | Irvin            | 84      | Alan      | Kaplan       |
| 29        | Linda       | Karpowicz        | 85      | Janwillen | Knocks       |
| 30        | Gulraag     | Kaur             | 86      | Silpa     | Kreff        |
| 31        | Andy        | Keymolen         | 87      | Hajime    | Kurosawa     |
| 32        | Larry       | Lands            | 88      | Christine | Lin          |
| 33        | Vincent     | Lavoie           | 89      | David     | MacDonald    |
| 34        | Maria       | Makroyanni       | 90      | Marrissa  | McIntosh     |
| 35        | Geoff       | Maksym           | 91      | Paolo     | Medina       |
| 36        | Dany        | Malaeb           | 92      | Pedro     | Melo         |
| 37        | Yacine      | Marouf           | 93      | Mildred   | Momperousse  |
| 38        | Doreen      | Miao             | 94      | Mildred   | Mompérouse   |
| 39        | Marie-Lyne  | Millette         | 95      | Al        | Moualla      |
| 40        | Nidhya      | Navanandan       | 96      | Sára      | Németh       |
| 41        | Dan         | Nguyen           | 97      | Roger     | Pang         |
| 42        | Tadahisa    | Numakura         | 98      | Andriana  | Papaioannou  |
| 43        | Aurore      | Nzaramba         | 99      | Filoteo   | Pasquini     |
| 44        | Dev         | Patel            | 100     | James     | Prince       |
| 45        | Annette     | Robichaud        | 101     | Nathan    | Rabinovitch  |
| 46        | Bryan       | Ross             | 102     | Srinivas  | Rajagopala   |
| 47        | Peter       | Scarrot          | 103     | Kareshma  | Ramcharan    |
| 48        | Thomas      | Schuessler       | 104     | Shruti    | Rughani      |
| 49        | Igor        | Silvak           | 105     | Sundeeep  | Salvi        |
| 50        | Wendy       | Sinclair         | 106     | Paolo     | Serra        |
| 51        | Alex        | Siou             | 107     | Esmeralda | Shehu        |
| 52        | Bradford    | Smith            | 108     | Botond    | Sipos        |
| 53        | Zlatitsa    | Todorova         | 109     | Sarita    | Thawanaphong |
| 54        | Luis        | Torres           | 110     | Katrina   | Tonga        |
| 55        | Tessa       | Whiteley         | 111     | Carl      | Whitfield    |
| 56        | Joyce       | Wu               | 112     | Seung Won | Won          |



## **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 Pocé Touraine, France) Wine**

