

4th Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI
Part I: via Zoom, July 15, 2020, 7:00-9:00 h

7:00 h Ron Dandurand & Stewart Gottfried, McGill University, Canada

Welcome to the seminar

7:20 h Charlie Irvin, University of Vermont, U.S.A.

A tribute to Arthur B. DuBois: A true renaissance man

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

7:40 h Zoltan Hantos, Semmelweis University, Hungary

Oscillometry: A review

Discussant: Brody Foy, Harvard Medical School, U.S.A.

8:00 h Jason Bates, University of Vermont, U.S.A.

The role of mathematical models in understanding oscillometry

**Discussant: Geoff Maksym, Dalhousie University, Canada, and
Ron Dandurand, McGill University**

8:20 h Sarah Svenningsen, McMaster University, Hamilton, Canada, and

Dante P.I. Capaldi, Stanford University, U.S.A.

Free breathing ¹H MRI specific ventilation: sensitivity to bronchodilator and airway dysfunction in severe asthma

**Discussants: Grace Parraga, University of Western Ontario, Canada and
Raul San Jose Estepar, Harvard Medical School, U.S.A.**

8:40 h Rajoshi Biswas, Cognita Labs, Santa Ana, California, U.S.A.

Case Study: Tracking respiratory impedance in four COVID-19 positive subjects

Discussant: Andrew Kouri, University of Toronto, Canada



4th Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI
Part II: via Zoom, July 29, 2020, 7:00-9:00 h

7:00 h Ron Dandurand & Stewart Gottfried, McGill University, Canada

Welcome back to the seminar

7:20 h Carly Visentin, University of Ottawa, Canada

The role of oscillometry in assessing lung disease in a population at-risk for homelessness

Discussant: Chung-Wai Chow, University of Toronto

7:40 h David Kaczka, University of Iowa, U.S.A.

Oscillometry and small airway disease: what are we really measuring?

Discussant: Geoff Maksym, Dalhousie University, Canada

8:00 h Peter Savadjiev, McGill University, Canada

Mean curvature of isophotes: detection of early COPD and comparison to deep learning

Discussant: Raul San Jose Estepar, Harvard Medical School, U.S.A.

8:20 h Rachel Eddy, University of British Columbia

Pulmonary imaging and oscillometry after e-cigarette-related respiratory failure

Discussant: Alex Bell, University of Michigan, U.S.A.

8:40 h Stefano Paganini, Milan Polytech, Italy

A novel device for evaluating lung function in horses by oscillometry

Discussant: Michela Bullone, University of Turin, Italy



4th Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI
Part III: via Zoom, August 26, 2020, 7:00-9:00 h

7:00 h Ron Dandurand & Stewart Gottfried, McGill University, Canada

Welcome back to the seminar

7:05 h Lieven Standaert, Free University of Brussels, Belgium

Breathney: developing an open-source ICU ventilator at the VUB

7:20 h Jason Bates, University of Vermont, U.S.A.

Emergency APRV with the Vermontilator

7:35 h Ramon Farré, University of Barcelona, Spain

Low-cost, easy-to-build non-invasive pressure support ventilator for under-resourced regions

Discussants: David Kaczka, University of Iowa, U.S.A., and

Robert Salasidis, McGill University, Canada

8:05 h Panel Discussion: Lung function testing in the COVID and post-COVID eras

Chung-Wai Chow, University of Toronto, Canada

Tom Carpenter, COSMED, U.S.A.

Larry Lands, McGill University, Canada

Lennart Lundblad, Thorasys Thoracic Medical Systems Inc, Canada

Gaurav Patel, Coginita Labs, U.S.A.

Herman Groepenhoff, Vyaire, The Netherlands

Frans de Jongh, University of Twente, The Netherlands

Roby Perissin, MGC Diagnostics, Italy



4th Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI
Part IV: via Zoom, September 16, 2020, 7:00-9:00 h

7:00 h Ron Dandurand & Stewart Gottfried, McGill University, Canada

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

7:20 h Chung-Wai Chow and Natalie Belousova , University of Toronto, Canada

Monitoring of graft function using oscillometry in recipients of donor lungs with significant smoking history

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

7:40 h Stewart Gottfried, McGill University, Canada

Oscillometry to assess respiratory function in rare neuromuscular disease with respiratory muscle weakness

Discussant: Julian Allen, University of Pennsylvania, U.S.A.

8:00 h Ron Dandurand, McGill University, Canada

Oscillometry in community practice COPD and CanCOLD; A tale of two cohorts

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

8:20 h Julian Allen, University of Pennsylvania, U.S.A.

Reactance inversion at low frequencies during lung function measurement by impulse oscillometry in former preterm children: A finding in search of a model

Discussant: Zoltan Hantos, Semmelweis University, Hungary

8:40 h Frederik Trinkmann, University of Heidelberg, Germany

Small airway disease in COVID-19 - can oscillometry provide a link?

Discussant: Sam Bayat, Université Grenoble Alpes, France



4th Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI
Attendees Parts I-IV via Zoom

Name	Surname	Affiliation	No.	Name	Surname	Affiliation	
1	David	Kasahara	Arrowhead Pharmaceutical	76	Todd	Austin	MGC Diagnostics
2	Annette	Christy	AstraZeneca	77	Raffaele	Dellaca	Milan Polytech
3	Charles	St-Pierre	AstraZeneca	78	Stefano	Paganini	Milan Polytech
4	Jean-Christophe	Berube	AstraZeneca	79	Ken	Berger	NYU
5	Jennifer	O'Connor	AstraZeneca	80	Pasquale	di Pompilio	Restech
6	Ulf	Eriksson	AstraZeneca	81	Aisling	McGowan	Royal College of Surgeons in Ireland
7	Esther	Dajczaman	Boehringer-Ingelheim	82	Dan	Fraughen	Royal College of Surgeons in Ireland
8	Eve	Blanchet	Boehringer-Ingelheim	83	Tomas	Carroll	Royal College of Surgeons in Ireland
9	Karen	Li	Boehringer-Ingelheim	84	Annette	Robichaud	SCIREQ
10	Karine	Circe	Boehringer-Ingelheim	85	David	Brunet	SCIREQ
11	Martin	Laroche	Boehringer-Ingelheim	86	Zoltan	Hantos	Semmelweis
12	Marilyne	Ouellette	Boehringer-Ingelheim	87	Hajime	Kurosawa	Sendai University
13	Sebastien	Pelletier	Boehringer-Ingelheim	88	James	Anglehart	SpiroTech
14	Brett	Vokey	Breathesuite	89	Oleg	Grudin	SpiroTech
15	John	Rasmussen	Canfield Connector	90	Dante	Capaldi	Stanford U
16	Hiro	Hoki	Chest M.I.	91	Graham	Hall	Telethon Kids Institute
17	Alain	Vadeboncoeur	CIUSSS de l'Ouest-de-l'île-de-Montréal	92	Natalie	Magnus	Teva
18	Belhadj	Mohamed	CIUSSS de l'Ouest-de-l'île-de-Montréal	93	Lennart	Lundblad	Thorasys
19	Carol	Audry	CIUSSS de l'Ouest-de-l'île-de-Montréal	94	Thomas	Schuessler	Thorasys
20	Jason	Swartz	CIUSSS de l'Ouest-de-l'île-de-Montréal	95	Yvan	Beaudoin	Thorasys
21	Rodney	Mallaley	CIUSSS de l'Ouest-de-l'île-de-Montréal	96	Ramon	Farre	U Barcelona
22	Sabrina	Brice	CIUSSS de l'Ouest-de-l'île-de-Montréal	97	Diane	Gray	U Capetown
23	Stephanie	Alexandre	CIUSSS de l'Ouest-de-l'île-de-Montréal	98	Julian	Solway	U Chicago
24	Sylvie	Danis	CIUSSS de l'Ouest-de-l'île-de-Montréal	99	Brad	Smith	U Colorado
25	Wendy	Sinclair	CIUSSS de l'Ouest-de-l'île-de-Montréal	100	Nidhya	Navanandan,	U Colorado
26	Gaurav	Patel	Cognita Labs	101	Sam	Bayat	U Grenoble
27	Rajoshi	Biswas	Cognita Labs	102	David	Kaczka	U Iowa
28	Alberto	Di Pietro	COSMED	103	YnuK	Bosse	U Laval
29	Arianna	Di Nucci	COSMED	104	Salmon	Siddiqui	U Leicester
30	Isabella	Di Francesco	COSMED	105	Peter	Calverley	U Liverpool
31	Paolo	Brugnoli	COSMED	106	Ran	Wang	U Manchester
32	Tom	Carpenter	COSMED	107	Stephen	Fowler	U Manchester
33	Vittorio	Stalano	COSMED	108	Alex	Bell	U Michigan
34	Jessica	Loritz	Covis	109	Estelle	Maguin	U Montreal
35	John	Blakey	Curtin University	110	Florence	Dupuis-Dowd	U Montreal
36	Anas	Tahir	Dalhousie	111	Jean-Pierre	Lavoie	U Montreal
37	Geoff	Maksym	Dalhousie	112	Khristine	Picotte	U Montreal
38	Lieven	Standaert	Free U Brussels	113	Mathilde	Leclere	U Montreal
39	Syvia	Verbanck	Free U Brussels	114	Payette	Flavie	U Montreal
40	Annie	Prendergast	GlaxoSmith Kline	115	John	Owens-Bradley	U Nottingham
41	Valerie	Coats	GlaxoSmith Kline	116	Carly	Visentin	U Ottawa
42	Annie	Champagne	Grifols	117	Joseph	McDonough	U Penn
43	Julie	Patenaude	Grifols	118	Julian	Allen	U Penn
44	Aravind	Menon	Harvard	119	Peter	Sly	U Queensland
45	Brody	Foy	Harvard	120	Pedro	Lopes de Melo	U Rio de Janeiro
46	Jeff	Fredberg	Harvard	121	Claude	Farah	U Sydney
47	Peter	Moschovis	Harvard	122	Ambily	Ulahannan	U Toronto
48	Raul	Estepar	Harvard	123	Anastasiia	Vasileva	U Toronto
49	Wayne	Mitzner	Johns Hopkins	124	Andrew	Kouri	U Toronto
50	Abdululaziz	Ali	McGill	125	Annie	Liu	U Toronto
51	Adamo	Donovan	McGill	126	Chung-Wai	Chow	U Toronto
52	Arash	Rad	McGill	127	Jeremy	Scott	U Toronto
53	Ben	Smith	McGill	128	Joyce	Wu	U Toronto
54	Bryan	Ross	McGill	129	Ken	Chapman	U Toronto
55	Deborah	Assayag	McGill	130	Natalie	Belousova	U Toronto
56	Frank	Niro	McGill	131	Nour	Hanafi	U Toronto
57	Ilan	Azuelos	McGill	132	Teddy	Xu	U Toronto
58	Inga	Murawski	McGill	133	Ziwen	Han	U Toronto
59	Irina	Uscatescu	McGill	134	Frans	de Jongh	U Twente
60	Jacinte	Baril	McGill	135	Grace	Parraga	U Western Ontario
61	Jean	Bourbeau	McGill	136	Rachel	Eddy	UBC
62	John	Kimoff	McGill	137	Stephen	Milne	UBC
63	Larry	Lands	McGill	138	Charlie	Irvin	UVM
64	Maxime	Cormier	McGill	139	David	Kaminsky	UVM
65	Peter	Savadjev	McGill	140	Jason	Bates	UVM
66	Peter	Goldberg	McGill	141	Swati	Bhatawadekar	UVM
67	Ron	Dandurand	McGill	142	Marc	Miravittles	Val d'Hebron Research Institute
68	Ron	Oliverstein	McGill	143	Danelle	Rowe	Vyair
69	Stewart	Gottfried	McGill	144	David	Sinks	Vyair
70	Tracy	Mercier	McGill	145	Eric	Nadeau	Vyair
71	Robert	Salasidis	McGill	146	Herman	Groepenoff	Vyair
72	Sarah	Svenningsen	McMaster	147	Juergen	Reistaedler	Vyair
73	George	Christoff	Medical U Sofia	148	Karl	Sylvester	Vyair
74	Rob	Enthoven	MGC Diagnostics	149	Michael	Pedro	Vyair
75	Roby	Perissin	MGC Diagnostics	150	Nadia	Stachowicz	Vyair

