



McGill University Health Centre Adult Respiratory Medicine



## 31st Annual Doctor Dorothy Wiselberg Seminar Asthma

June 4, 2018 (8:30 AM – 4:30 PM)

McGill University Health Centre GLEN Site – RI Auditorium ES1-1129

Dear Colleagues,

We are delighted to invite you to McGill University-MUHC Division of Adult Respiratory Medicine **31st Annual Doctor Dorothy Wiselberg Seminar** which will take place **June 4, 2018**.

This is a free endowed conference in respiratory diseases in memory of Dr. Dorothy Wiselberg, one of the first female physicians to work in the area of pulmonary diseases in Montreal. Dr. Wiselberg was based at Montreal Chest Hospital where her work focused on tuberculosis.

This year, our conference is devoted to **Asthma** with the following general goals:

### General Goals

Participants will be able to

- Learn the current developments in the pathogenesis of asthma
- Recognize the varied presentations (phenotypes) of asthma
- Understand the implications of the above knowledge for practice

Participants will gain knowledge of:

- morphological and genomic defects of airway epithelial differentiation in asthma
- mechanism of defective epithelial barrier function, and its contribution to airway inflammation and remodeling in asthma
- mechanical differences between intrapulmonary and extrapulmonary airway smooth muscle in asthma
- the relationship between inflammation and airway smooth muscle mechanics
- recent advances in genetics of asthma derived from genome-wide association studies (GWAS)
- equine asthma as a naturally occurring model of asthma
- currently available biologics for severe asthma, doses, dosing schedules, routes of administration, predictors of failures
- role of autoimmune responses in the airway and relevance to the use of biologics
- differences between irritant-induced asthma and sensitizer-induced asthma
- epidemiological evidence supporting a causality between low-dose exposure to irritant agents and onset of asthma
- evidence supporting the biologic plausibility between irritant exposure and onset of asthma
- effects of exercise on asthma
- main respiratory ailments in athletes
- evaluation and treatment of asthma in the athlete
- the range of currently approved asthma treatments, including recently approved inhalers and biologics
- current thinking about the causes of non-eosinophilic asthma, including the role of systemic inflammation and the potential for treatment of systemic inflammation to improve asthma

### Anticipated Practice Outcomes

Participants will

- Assess various phenotypes of asthma and currently approved asthma treatments including environmental control, recently approved inhalers and novel therapies such as the biologics

We look forward to seeing you at the Wiselberg Seminar, June 4, 2018.

Jim Martin, Physician-in-Chief, MUHC; Chair, Department of Medicine, McGill University  
Ron Olivenstein, Director, Inpatient Services, Adult Respiratory, MUHC  
Wiselberg Seminar 2018 Planning Committee

Seminar is free but **registration is required**: Information: 514-934-1934 ext. 32153  
**Send completed registration form to:** [esther.tomkee@muhc.mcgill.ca](mailto:esther.tomkee@muhc.mcgill.ca)



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8:30	REGISTRATION & COFFEE
8:55	WELCOME AND INTRODUCTION
	<b>FUNDAMENTALS OF ASTHMA</b> <b>Chair: Jim Martin</b>
9:00	Is asthma an epithelial disease? Tillie Hackett, University of British Columbia
9:40	Intrapulmonary airway smooth muscle is hypercontractile in asthma Anne-Marie Lauzon, McGill University
10:20	BREAK
10:40	Genomics to clinical expectation in asthma Yohan Bosse, Université Laval
11:20	Airway remodeling and pulmonary microbiome in equine asthma Mathilde Leclère, Université de Montréal
12:00	LUNCH
	<b>NOVEL CLINICAL CONSIDERATIONS</b> <b>Chair: Ronald Olivenstein</b>
13:00	Biomarkers and biologics for severe asthma: Navigating the maze Parameswaran Nair, McMaster University
13:45	Does low-dose irritant-induced asthma exist? Catherine Lemiere, Hôpital du Sacré-Coeur de Montréal
14:25	Asthma and exercise: When is there too much of a good thing? Louis-Philippe Boulet, Université Laval
15:10	BREAK
15:25	<b>WISELBERG LECTURER</b> Looking to treatments the future may bring John Fahy, University of California
16:25	CONCLUDING REMARKS