



## 34th Doctor Dorothy Wiselberg Seminar

### COPD in the Modern Era

May 31, 2024: 8:00AM – 5:45PM

Hybrid: MUHC Glen Cruess Amphitheatre ES1-1129 & Zoom

Dear Colleagues,

We are delighted to invite you to McGill University-MUHC Adult Respiratory Medicine Division **34<sup>th</sup> Doctor Dorothy Wiselberg Seminar** which will take place **May 31, 2024**.

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, she was based at Montreal Chest Hospital - now Montreal Chest Institute - where her work focused on tuberculosis.

**Wiselberg 2024** is dedicated to **COPD**.

#### OBJECTIVES

**OVERALL** – Participants will be able to:

- comprehend the epidemiology, exposures, and risk factors for COPD.
- list the underlying mechanisms of disease and emerging biomarkers which include a variety of tests (bloodwork, lung function, and imaging)
- recognize the standard of care and innovations to care, in chronic and acute disease monitoring and management

**BENCH RESEARCH, EPIDEMIOLOGY** - Participants will be able to:

- comprehend the utility of discovery-based preclinical research for COPD causation of new and emerging products
- cite active research in the rapidly growing field of COPD remote patient monitoring, pertaining to both chronic management and acute event monitoring
- comprehend the epidemiology, exposures, and risk factors for COPD
- describe the 21<sup>st</sup> century landscape of risk factors for COPD
- identify and summarize climate change-related factors that impact COPD
- list predictive and prognostic biomarkers in obstructive airway disease and distinguish disease activity from damage

**PHYSIOLOGY, PATHOPHYSIOLOGY, IMAGING** - Participants will be able to:

- list the underlying mechanisms of disease and emerging biomarkers which include a variety of tests (bloodwork, lung function, and imaging)
- state how imaging and omics technology can unravel important phenotypes of COPD
- comprehend the potential role of CT and MRI in COPD clinical understanding and management
- describe the physiological basis for oscillometric measurement and discuss the potential future applications of oscillometry in clinical practice
- identify the link between "wasted" ventilation and dyspnea

**CLINICAL AND DIAGNOSTIC** - Participants will be able to:

- recognize the burden and how to case-find patients with undiagnosed COPD
- describe major COPD-related sub phenotypes and consider implications for treatment
- describe the concept of treatable traits and how this translates into a strong rationale for pulmonary rehabilitation in patients with COPD

**THERAPEUTIC** - Participants will be able to:

- recognize the heterogeneity of COPD and its implication for biomarker development and therapeutic management
- identify opportunities for early intervention
- recognize the standard of care and innovations to care, in chronic and acute disease monitoring and management
- describe emerging avenues for COPD prevention and reversal
- describe the role of oxygen therapy to alleviate dyspnea and improve functional status
- recognize the traits in patients with COPD that are treatable with endobronchial valves

**We look forward to seeing you May 31, 2024 at Wiselberg Seminar, MUHC-Glen Cruess Amphitheatre ES1-1129; 1001 Decarie, Montreal QC H4A 3J1**

2024 Wiselberg Seminar Organizing Committee:

Dr. Jean Bourbeau, Director, MUHC COPD Clinic and Pulmonary Rehabilitation

Dr. Bryan Ross, Co-Director, MUHC COPD Clinic and Pulmonary Rehabilitation