



Centre for
Heart Lung Innovation
UBC and St. Paul's Hospital

Centre for Heart Lung Innovation Seminar Series



Critical roles of airway smooth muscle in mediating deep-inspiration-induced bronchodilation: a big stretch?

Chun Seow, PhD
Professor
Department of Pathology and Laboratory Medicine
UBC

Friday Oct 20th 11:30 – 12:30 PM
James Hogg Conference Centre (JHCC) Room 103
(ZOOM Meeting ID: 662 2255 0438; passcode: 623137)

Hosted by HLI

“Taking a big breath has been shown to induce bronchodilation in bronchochallenged healthy subjects, but not in asthmatics. Stretch-induced relaxation of airway smooth muscle (ASM) is considered one of the factors responsible for the effect. Today’s talk is focused on addressing the following 3 questions: 1) How much are airways distended during a DI? 2) Does the amount of stretch big enough to reduce ASM contractility? 3) Does the whole lung bronchodilatory response to DI mediated through ASM relaxation? Understanding the DI response could help us understand asthma pathophysiology.”

This event is a Self-Approved Group Learning Activity as defined by the Maintenance Certification Program of the Royal College of Physicians and Surgeons of Canada



a place of mind

THE  LUNG ASSOCIATION™
British Columbia



HEART &
STROKE
FOUNDATION
OF BC & YUKON

Finding answers. For life.