



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

Centre for Heart Lung Innovation Research in Progress (R.I.P.)



Association between cholinergic synapse gene polymorphisms and the late-phase response in allergic rhinitis

Simran Samra
MSc Student
Scott Tebbutt

Monday, January 18th, 2021
9:00 – 10:00 a.m.

Zoom Video Conference
(Meeting ID: 693 1997 7044; Passcode: 030679)

“Allergic rhinitis (AR), also known as hay fever, is an inflammatory disorder that results when an inhaled substance causes an allergic reaction. It affects 20-25% of Canadians and is the most common allergic disorder worldwide. AR is characterized by an early phase response (EPR) and, in some individuals, a subsequent late-phase response (LPR). It is not well understood how certain individuals are protected from developing a LPR. Our work addresses this limitation by studying the association between polymorphisms in cholinergic synapse pathway genes and the development of the LPR. We specifically looked at cholinergic synapse pathway because polymorphisms in these genes have previously been associated with late asthmatic responses. Our findings suggest that enrichment of minor alleles in cholinergic synapse pathway genes could be a significant mechanism contributing to the development of the LPR in AR.”

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



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