



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

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



Studying lysosomal acid lipase as a potential therapeutic for atherosclerosis

Katrina Besler
MD/PhD student
Dr. Gordon Francis

Monday, May 17th 2021
9:00 – 10:00 a.m.

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

“Lysosomal acid lipase (LAL) is the sole enzyme responsible for lysosomal cholesteryl ester hydrolysis, a necessary step for the efflux of cholesterol from arterial cells. Efflux from smooth muscle cells (SMC), the major cholesterol-overloaded cell type making up atherosclerotic lesions, can be enhanced in vitro with exogenous LAL. This talk will summarize study design and initial progress toward testing adenovirus-mediated overexpression of LAL in SMC in vitro, and LNP-mediated liver production of LAL in a mouse model of atherosclerosis.”

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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