



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

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



In Vitro Co-culture Systems of SMCs and Macrophages in Atherosclerosis

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Dr. Gordon Francis

Monday, January 11th, 2021
9:00 – 10:00 a.m.

Zoom Video Conference

(Meeting ID: 693 1997 7044; Passcode: 030679)

“Atherosclerosis, which disrupts the flow of blood to the heart and brain, is one of the major causes of death globally. It initiates by the transformation of particular cells, such as smooth muscle cells (SMCs) and macrophages, into lipid-filled cells. SMCs are found in the walls of the arteries while macrophages are immune cells that can infiltrate the arterial wall from the blood stream. Macrophages' role in atherosclerosis is widely studied while SMCs have only recently been explored as a culprit in atherosclerosis development. We are performing in vitro studies that explore the influence of one cell type on the other in direct cell-cell contact co-culture and indirect co-culture via a transwell system. This talk will focus on our progress in establishing the co-culture systems for our study.”

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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