



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

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



Blood Biomarkers to Identify Cystic Fibrosis Pulmonary Exacerbations

Naomi Potter
PhD Student
Dr. Bradley Quon

Monday, Jan 31st 2022
9:00 – 10:00 a.m.

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

“Cystic fibrosis (CF) patients frequently experience pulmonary exacerbations (PEX) involving difficulty breathing, worsening cough and mucus production. Timely antibiotic treatment is important to minimize irreversible airway damage. However, deciding whether to treat is unclear when only an increase in symptoms or a decrease in lung function is seen. In a pilot study, our group has found that C-reactive protein (CRP) and calprotectin measured in blood can differentiate PEX from stable status. We hypothesize that a blood test for CRP and calprotectin will help identify patients that will do poorly in unclear cases. We will compare respiratory outcomes of patients with versus without high levels of CRP and calprotectin in a cohort of patients presenting with discordant symptoms and lung function that were not prescribed antibiotics. If this test is found to be useful for better PEX diagnosis, outcomes for many CF patients will be improved.”

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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