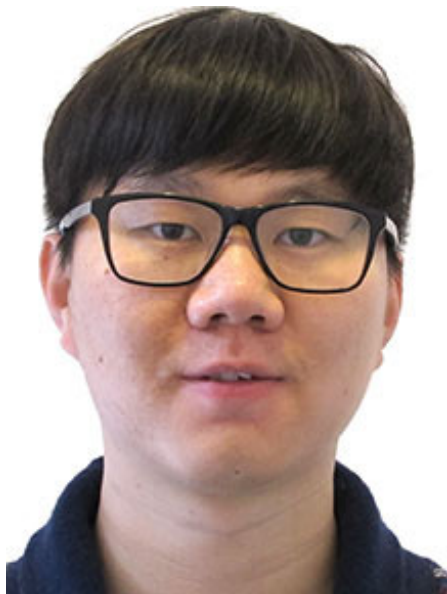




Centre for
Heart Lung Innovation
UBC and St. Paul's Hospital

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



**Identification of blood
transcriptome biomarkers predictive
of pulmonary exacerbations in
cystic fibrosis**

Kang Dong
PhD Student

Dr. Bradley Quon

Monday May 11th 2020
9:30 – 10:30 a.m.

Zoom Video Conference
details in body of email

“Pulmonary exacerbations (PEX) are clinically impactful events for individuals living with cystic fibrosis (CF). PEX are characterized by increased lung infection and an exaggerated airway and systemic inflammatory response causing lung damage and irreversible loss of lung function. Identification of individuals who are at imminent risk of PEX or early in the course of a PEX can enable CF physicians to initiate or modify therapies in an attempt to prevent the poor outcomes related to PEX. Unfortunately, the natural history of the immune response and inflammatory activity during the development of PEX are not well understood. Furthermore, no biomarkers are currently available in clinical practice to predict imminent PEX in CF patients. As such, the objective of my study is to identify blood-based transcript biomarkers reflective of the host immune response to infection and inflammation to predict imminent PEX in CF patients.”

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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