



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

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

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### Genetic Susceptibility of Pulmonary Exacerbations in Preschoolers with Cystic Fibrosis

**Kang Dong**  
Graduate Student  
Dr. Bradley Quon

Monday, April 25<sup>th</sup> 2021  
9:00 – 10:00 a.m.

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

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*“Pulmonary exacerbations (PE<sub>x</sub>) are significant risk factors for lung disease progression in individuals with Cystic Fibrosis (CF). Diagnosis of a PE<sub>x</sub> relies upon increased respiratory symptoms and decreased lung function; however, a diagnosis in preschool children with CF is challenging due to the inability to expectorate sputum and perform spirometry, which potentially leads to the under-diagnosis of PE<sub>x</sub>. Genetic factors, combined with easily accessible clinical measures obtained early in life, have demonstrated their potential as biomarkers to predict the onset of cystic fibrosis-related diabetes later in life. Therefore, in this study, we will explore the potential to predict susceptibility to PE<sub>x</sub> with genetic variants in young children with CF.”*

*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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