



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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**Exploration of factors that predict  
progression to non-tuberculous  
Mycobacteria active disease in patients  
with cystic fibrosis**

**Miguel Prieto**  
MSc Student  
Dr. Bradley Quon

Monday, Jan 10<sup>th</sup> 2022  
9:00 – 10:00 a.m.

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

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*“Non-tuberculous mycobacteria (NTM) are fastidious and widespread organisms that cause disease in immunosuppressed individuals or those with underlying lung pathology, like people living with cystic fibrosis (CF). In cystic fibrosis patients, the infection can be transitory, persistent or even progress to a full-blown pulmonary disease. The underlying host and pathogen determinants of this progression remain largely unknown. However, evidence of NTM active disease in other lung diseases suggests that certain genetic factors, such as Th1 immune response related genes, are linked to increased risk of acquisition. Therefore, we are exploring if host gene expression can be used as a prognostic biomarker to predict progression in CF patients with a positive NTM growth.”*



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*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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