



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

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



### Advancing Biomarker Diagnostics for Early Detection of Synucleinopathies

**Cyril Helbling**  
PhD Student  
Dr. Mari DeMarco

Monday Nov 6<sup>th</sup>, 2023  
9:00 – 10:00 a.m.

James Hogg Conference Centre (JHCC) RM 103  
Zoom Video Conference  
(Meeting ID: 693 1997 7044; Passcode: 030679)

*"Parkinson's disease and related disorders, known as synucleinopathies, are challenging to diagnose as the early symptoms are mild and can overlap with other disorders that affect the brain and nervous system. Challenges in diagnosing the range of synucleinopathies have led to high rates of misdiagnosis. Recently, a new type of test that detects the presence of abnormal protein associated with synucleinopathies showed potential to improve early and accurate diagnosis in research studies. Unfortunately, there are major barriers to using this test in medical care as the test is complex and costly.*

*The goal of my research is to optimize and engineer this test to make it more suitable for use in medical care and to study its performance as a diagnostic tool for synucleinopathies. This optimized diagnostic test has the potential to facilitate early diagnosis, personalized treatment decisions, and improved access to support services, benefiting both patients and their families".*

*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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