



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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### Development of oncolytic coxsackievirus B3 for lung cancer therapy

**Huitao Liu**  
PhD student  
Dr. Honglin Luo

Monday, Sept 13th, 2021  
9:00 – 10:00 a.m.

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

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*“miRNA modification is a powerful strategy to enhance the safety of oncolytic viruses. We previously discovered that miRNA-modified coxsackievirus B3 (CVB3) could be a potent oncolytic candidate for several lung cancer subtypes. Nevertheless, I found that the modified viral genome is not stable. To improve the stability of miRNA modification, I generated two recombinant CVB3s by inserting a short miRNA-target sequence into 5'UTR and coding region of viral genome, respectively. In the RIP, I will present and discussion my recent data examining the stability, safety and efficacy of these two miRNA-modified viruses in treating lung cancer both in vitro and in vivo.”*

*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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