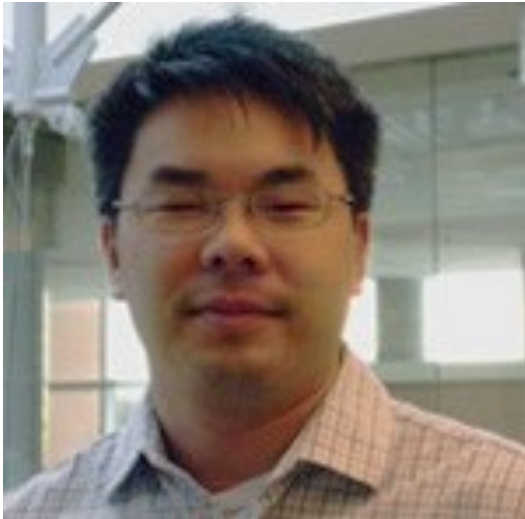


Wednesday, May 10, 2017

LSC 3 | 12:00 - 1:00PM



Dr. Eric Jan

Associate Professor,
Department of Biochemistry and Molecular Biology,
UBC

“Alternative reading frame selection directed by a viral internal ribosome entry site”

Due to its limited coding capacity, all viruses have to rely on commandeering the host ribosome in order to complete the viral life cycle. Viruses have evolved unique strategies to hijack the ribosome using non canonical translation mechanisms. The dicistrovirus family utilizes an unprecedented mechanism by directly recruiting the ribosome using no factors and initiates translation from a non-AUG codon. Recently, we have discovered that this mechanism can also direct translation in an alternative reading frame in order to express a hidden +1 frame gene called ORF_x, thus revealing a novel recoding strategy to increase virus coding capacity.

Live Online Seminar Viewing:
<http://tinyurl.com/cbrseminaronline>