

The Centre for Blood Research presents

CBR SEMINAR SERIES



Wednesday, March 20, 2024
1:00PM - 2:00PM PT

Life Sciences Centre
1003 (LSC3) & Zoom

“Using One Health to study highly pathogenic coronaviruses: interactions with mammals and development of countermeasures.”

DR. ARINJAY BANERJEE

Principal Scientist, Vaccine and Infectious
Disease Organization, University of
Saskatchewan

Co-Lead, One Health, University of
Saskatchewan

Adjunct Member, Dept. of Biochemistry and
Molecular Biology at UBC



Emerging zoonotic viruses pose a significant health risk to humans and agricultural animals. Over 70% of emerging infections have an animal origin. Bat species are speculated to be reservoirs of emerging high consequence viruses, such as ebola and Marburg viruses, Nipah and Hendra paramyxoviruses, and multiple coronaviruses, such as SARS-CoV, MERS-CoV, SARS-CoV-2, PEDV, and SADS-CoV, among others. Bats that are experimentally or naturally infected with these viruses do not demonstrate overt signs of disease. Thus, bats provide us with an intriguing model to study virus-host interactions. In this talk, we will explore how bats control infection with coronaviruses and discuss opportunities to develop novel antivirals and vaccines against these emerging zoonotic viruses.

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