



**McGill University Research Centre on Complex Traits – MRCCT
SEMINAR SERIES**



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Title: “Functions of interferons at mucosal barriers”

Thursday, May 24, 2018

Karp Amphitheater | Room #501 , 12:00 PM

Goodman Cancer Research Centre – Life Sciences Bldg.

“The host response to invading pathogens requires well-tuned defense mechanisms that eradicate harmful microbes while limiting tissue damage and systemic inflammation. Type I interferons (IFN- α/β) and the more recently identified type III IFNs (IFN- λ) function as the first line of defense against virus infection, and regulate the development of both innate and adaptive immune responses. Although type III IFNs were originally identified as a novel ligand-receptor system acting in parallel with type I IFNs, subsequent studies have provided increasing evidence for distinct roles for each IFN family. Results of ongoing experiments with mouse models of gastro-intestinal virus infection and acute intestinal injury, which will be presented and discussed, reveal that compartmentalized and coordinated action of type I and III IFNs is important not only for the efficient antiviral protection, but also contributes to maintaining intestinal tissue homeostasis and balancing tissue repair and inflammatory responses”.

LOCATION: Goodman Cancer Research Centre, Room #501, 12:00 PM

HOSTED BY: McGill University Research Centre on Complex Traits (MRCCT)