

Webinar

Tracking Footprints of Viruses: Revealing Alternative Modes of Viral Exit from Host Cell

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Viruses have long been accepted to be released from the host cells after replication by the process of cell membrane lysis. In the current lab, I have been exploring alternate viral exit pathways that challenge the dogma. Through my research I have shown that enteric and respiratory viruses are able to exit cells by travelling inside extracellular vesicles or get transported by lysosomal exocytosis. In another investigation, I observed that enteric viruses that are known to be limited to intestinal tissues for replication, were also replicating in salivary gland and transmitting through saliva. This is a new route of transmission for enteric viruses.

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