

Download Membrane Trafficking In Viral Replication

Viral entry is the earliest stage of infection in the viral life cycle, as the virus comes into contact with the host cell and introduces viral material into the cell. Introduction. Cell membranes pose formidable barriers to the passage of proteins and non-enveloped viruses. Unlike enveloped viruses, which deliver virion contents into the cytoplasm by membrane fusion, non-enveloped viruses need to cross or disrupt membranes during virus entry (Kumar et al., 2018). Viral DNA trafficking in cells has large impacts on physiology and disease development. Current methods lack the resolution and accuracy to visualize and quantify viral DNA trafficking at single-molecule resolution. DeMartino, George: The University of Texas Southwestern Medical Center: Associate Editor, Membrane Trafficking In Viral Replication.

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