

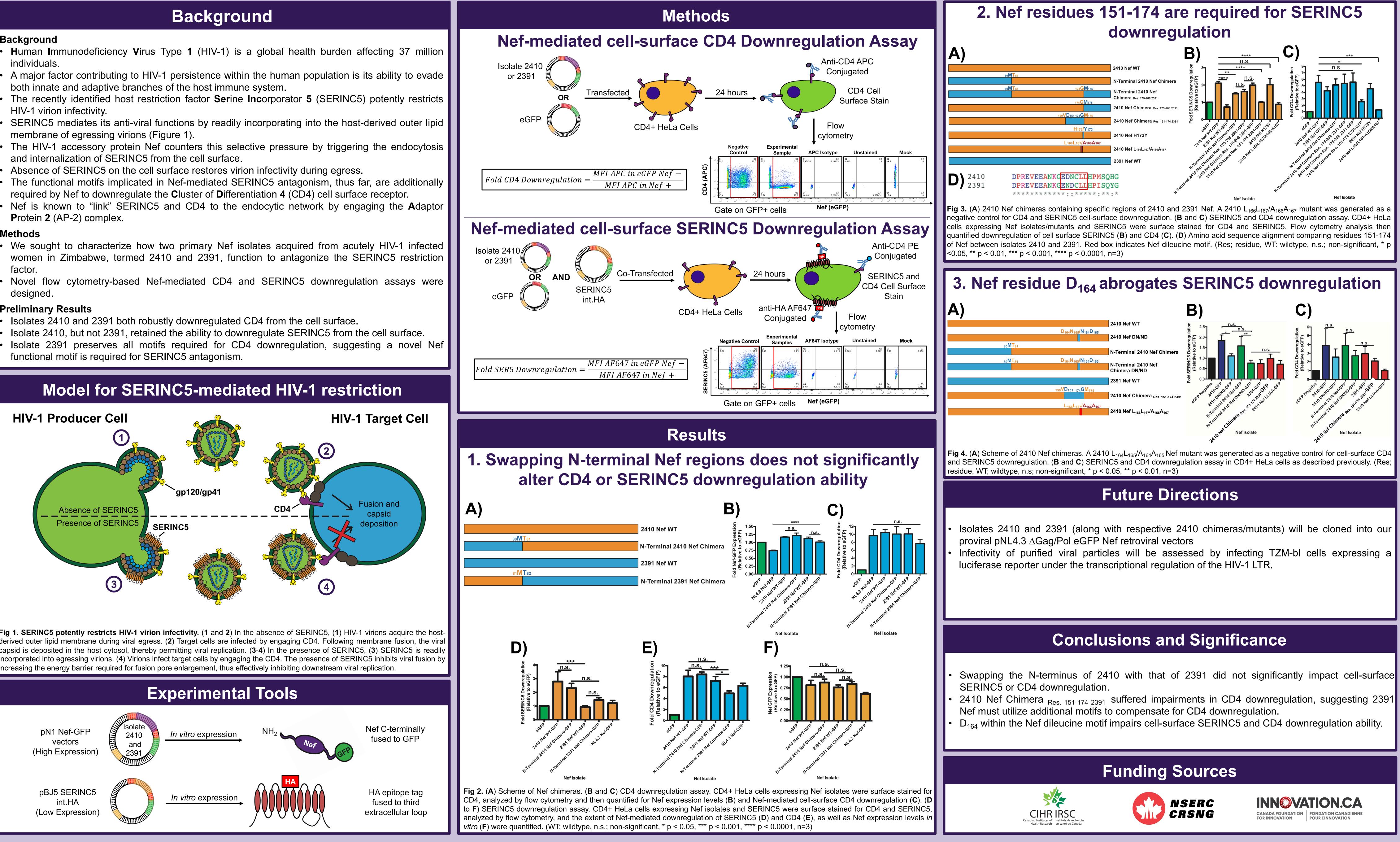
Schulich **MEDICINE & DENTISTRY**

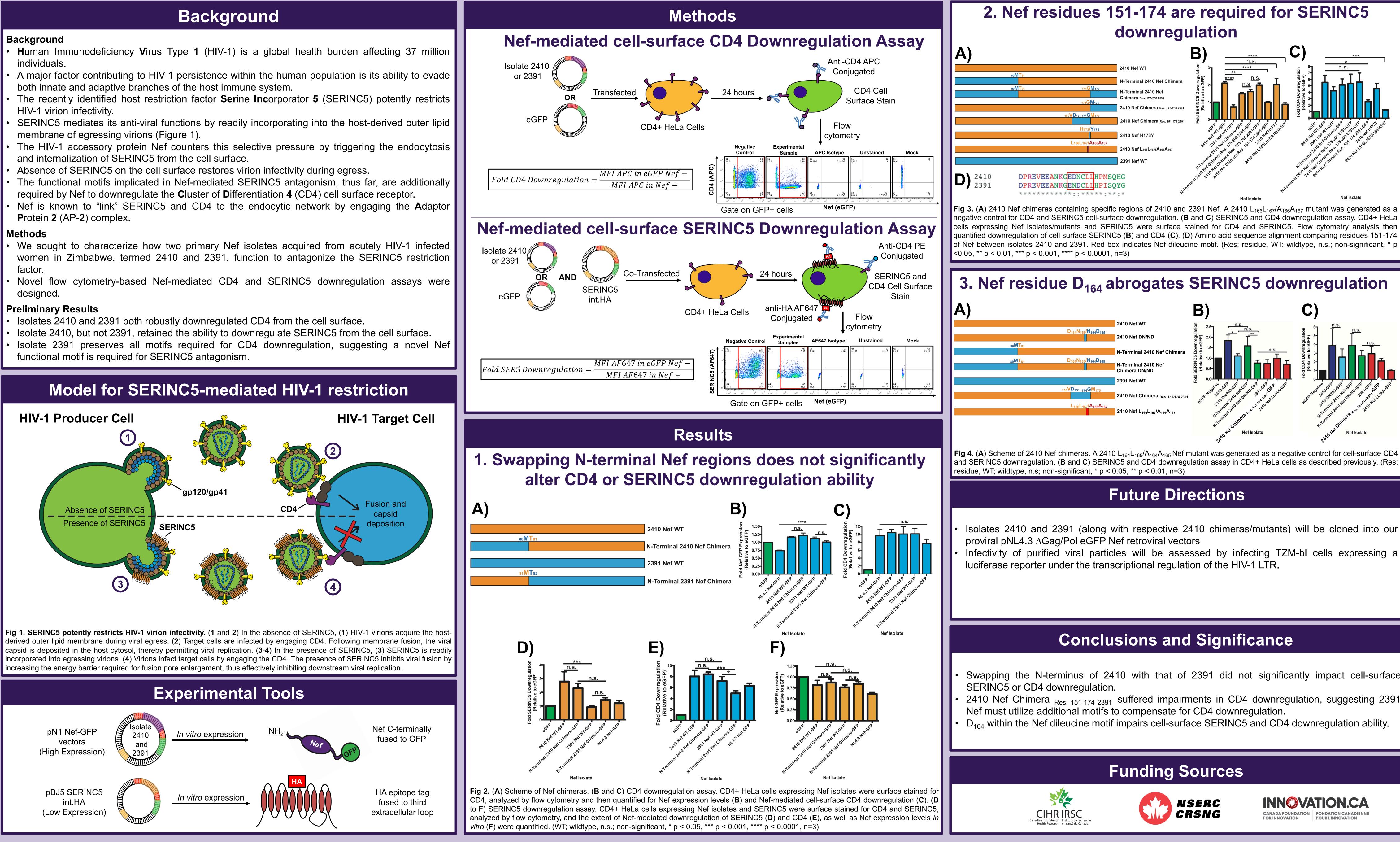
- individuals.
- both innate and adaptive branches of the host immune system.
- HIV-1 virion infectivity.
- membrane of egressing virions (Figure 1).
- and internalization of SERINC5 from the cell surface.

- factor.
- designed.

Preliminary Results

- functional motif is required for SERINC5 antagonism.





A previously unidentified residue within the dileucine motif is required for **HIV-1** Nef antagonism of the SERINC5 restriction factor

<u>Mitchell J. Mumby¹, Aaron L. Johnson¹, Eric J. Arts^{1,2}, Jimmy D. Dikeakos¹</u> ¹Department of Microbiology and Immunology, Schulich School of Medicine & Dentistry, Western University, London, ON, Canada

²Joint Clinical Research Centre, Kampala, Uganda

