

**School of Biomedical Sciences
Department of Microbiology and Immunology
PhD Completion Seminar**

“How to train your $\gamma\delta$ T cells: Enhancement of effector functions for HIV-1 immunotherapy”



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Juno Lab

$\gamma\delta$ T cells are promising candidates for immunotherapies against malignancies and infectious diseases such as HIV-1. We compared the use of pro-inflammatory cytokines on the effector functions of expanded Vy9V δ 2 T cells. Additionally, we investigated functional responses and the impact of ICM expression on V δ 1 and V δ 2 T cells in PWH on ART, and explored mechanisms of infected cell elimination by expanded Vy9V δ 2 T cells.

This work identifies culture conditions to enhance Vy9V δ 2 T cell cytotoxicity and furthers our understanding of $\gamma\delta$ T cell functions during ART-treated HIV-1, illuminating a pathway towards $\gamma\delta$ T cell-based approaches for HIV-1 immunotherapies.

Wednesday 1st May 2024 at 1:00pm

*In-person attendance: Auditorium, Doherty Institute
or join us via Zoom Webinar: 869 6223 1391 Password: 230162*

Followed by a Q&A at the end of presentation. Celebrations will be in the Tearoom, Level 5 at 4:30pm

