

‘Quality and quantity of follicular helper T cells in protective humoral immunity’

Prof. Di YU

Chair in Paediatric Immunotherapy,
Child Health Research Centre, Faculty of Medicine
The University of Queensland



Prof. Di YU

<https://researchers.uq.edu.au/researcher/25123>

Date: May 27 (Mon) 2024

Time: 3 pm – 4 pm

Venue: Meeting Room #1, 2nd FL, IFRc Building

Chair: Tomohiro Kurosaki

ABSTRACT - Effective humoral immunity is reliant on the essential support of T cells, an observation originally reported in the 1960s. However, it is only within the past two decades that substantial progress has been made in understanding the pivotal role played by follicular helper T (T_{FH}) cells, a specialised CD4⁺ T cell subset, in the orchestration of B cell activation and antibody production. Recent breakthroughs have uncovered the intricate molecular pathways governing TFH cell differentiation, function, and survival. I will discuss how the current state of knowledge regarding the regulation of TFH cell homeostasis and their function can help to optimise protective humoral immunity, particularly in the contexts of vaccination and infection.