



Infectious
Diseases Labs

A*STAR IDL



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Friday 23rd Jan 2026

11:00 PM to 12:00 PM (SGT)

Venue: Cistron A & B, Matrix Level 5

Cell death and innate immune signalling during microbial infection

Innate immune cells express a repertoire of pattern recognition receptors to sense and detect microbial pathogens, however, pathogenic microorganisms have developed strategies to overcome innate immunity, often by injecting effectors that block innate immune signalling. Our lab is interested in understanding the molecular mechanisms by which myeloid cells overcome such microbial blockade to mount an effective immune response. Here, I will discuss our published and unpublished work on how different cell death modalities – apoptosis, pyroptosis and necroptosis are activated during microbial infection, pathogens subversion mechanisms, and the impact on host immunity.

Asst. Prof Chen Kaiwen obtained his PhD from the University of Queensland, Australia in 2015 and relocated to the University of Lausanne, Switzerland for his postdoctoral training. He joined NUS in 2020 and is affiliated to the Department of Microbiology and Immunology and the Immunology TRP.

Hosted by: Dr Stefan Oehlers

Seminar is open to all. No registration required.

Questions? Contact us at seminars@idlabs.a-star.edu.sg

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