



Infectious
Diseases Labs

ID LABS

ID LABS SEMINAR SERIES



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Meeting ID: 916 8067 7469

Passcode: 881855

Friday, 13 May 2022

11:00am to 12:00pm (SGT)



Webinar is open to all
No registration required

Act early and at the right place: kinetic and localization of SARS-CoV-2 specific T cells after infection and vaccination

SARS-CoV-2, the etiological agent of COVID-19, triggers an adaptive immunity in the infected host that results in the production of virus-specific antibodies and T cells.

While kinetic and quantitative aspects of antibodies have been analyzed in large patient cohorts, similar information about SARS-CoV-2-specific T cells are still scarce. I will discuss the importance of a rapid induction of SARS-CoV-2 specific T cells in control of infection both in the blood and in the nose, the site of primary infection.

The presence of SARS-CoV-2 specific nasal resident CD8 T cells in vaccinated individuals after breakthrough infection might provide rapid recognition of SARS-CoV-2 infected cells in the upper airway and thus provide an important layer of protection against mild/severe Covid-19.