

SigN SEMINAR

Hosted by Drs. Neo Shi Yong & Melissa Ng



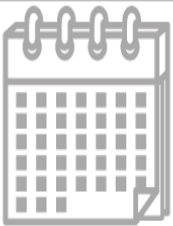
Scott Mueller

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Delineating diverse tissue microenvironments that shape immunity

The induction of immune responses to infection occurs within the organised microarchitecture of the secondary lymphoid organs. Effector T cells then migrate to sites of infection in peripheral tissues where they function to eradicate pathogens and where some cells will persist as long-lived tissue resident memory T (Trm) cells. During each phase of an immune response, T cell responses are guided and influenced by signals produced in distinct tissue microenvironments. This includes stromal cells that construct 3-dimensional networks within which immune cells migrate, interact and become activated. Additional signals from nerves that innervate lymphoid organs and peripheral tissues can shape the outcomes of immune responses. We are combining intravital microscopy, single cell transcriptomics, chemogenetics and infection models to understand the complex dynamics of cellular interactions required for T cell priming and Trm formation, and how tissue niches support these processes.



13th June 2022 (Monday)
11 AM – 12 PM (Singapore Time)
SigN Seminar Room, Immunos, Level 4

8A Biomedical Grove, Immunos, #04-06, Singapore 138648

*Seminar is
open for all
to attend.*

*Registration
is not
required.*

