

ASHBi SEMINAR

Fate-mapping blood cells (HSC and T cells) to explore their *in vivo* dynamics

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Date **Monday, 8 August 2022**

Time **16:45 – 17:45 [JST]**

Venue **Zoom Online Meeting***

*Register via the right QR code



Abstract

Blood cells form a dynamic system wherein hematopoietic stem cells (HSCs) maintains homeostasis through hematopoiesis and T cells prevent infection through clone expansions. Important questions remain as to how HSCs and T cells behave *in vivo* to mediate these functions. For instance, in hematopoiesis, the contribution of HSCs toward maintaining steady state hematopoiesis is unknown. Equally, in immune responses, how T cell clones localise tolerance against tumours is unknown. This seminar will present two works modelling HSC flux experiments and fate-mapping T cells from activation to address these key questions.

Organizer : Graduate School of Medicine

Institute for the Advanced Study of Human Biology (WPI-ASHBi)

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