

ASHBi SEMINAR

Spatiotemporal regulation of gene expression: from description to perturbation and back

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Date **Friday, 20 January 2023**

Time **16:00 – 17:00 [JST]**

Venue **Zoom Online Meeting***



*Register via the right QR code

Abstract

Gene expression is tightly regulated in time and space to ensure cellular homeostasis and, for example in development, to coordinate cellular transitions. To study these phenomena, we combine high-resolution sequencing technologies - such as long-read sequencing, single-cell RNA sequencing and spatial transcriptomics - with organoid models of neurodevelopment and optogenetic perturbations of gene expression. In this seminar, I will talk about our latest research efforts in the fields of gene regulation, neural organoids and genomic technologies.

Organizer : Graduate School of Medicine

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

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