

# ASHBi SEMINAR

Uncovering the operating principles of genome  
through RNA biology

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Fellow

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**Date:** Tuesday, 10<sup>th</sup> December 2019

**Time:** 17:00–18:00

**Venue:** Seminar Room 102, Faculty of Medicine Bldg. A

In this seminar, we introduce our quantitative and integrative approaches in RNA and genome biology. Recent advances in microRNA research facilitate a system-level understanding of how microRNAs are regulated and regulate their targets, with applications to synthetic biology. From the quantitative and evolutionary standpoints, microRNAs are tightly linked to super-enhancers, which shape cell-type specific transcriptomes. By focusing on super-enhancer and RNA polymerase II, we further discuss roles of phase separation in the operating principles of super-enhancer and transcription.

**Organizer: Prof. Mitinori Saitou**

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