



## 異分野融合セミナー

# Transdisciplinary Research Seminar

## 生体分子凝集体のダイナミクスとがん細胞生物学 The dynamics of biomolecular condensates and cancer biology

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Time: 19 February, 17:00

Venue :4F Conference Room, CRI

Gene regulation is fundamental to life activity. Super-enhancers have critical roles in cell type-specific gene expression programs. The super-enhancer concept has been introduced to systematically understand the molecular mechanisms underlying the identities of various cell types and has been extended to cancer research. In addition, super-enhancer research has led to the recognition of the link between gene regulation and biomolecular condensates. Biomolecular condensates are membrane-less bodies, often induced by liquid-liquid phase separation (LLPS), and have emerged as an important topic in many fields of biology and medicine. We will overview the biology of super-enhancers and biomolecular condensates and introduce our recent findings regarding molecular mechanisms underlying RNA-mediated dynamics of transcription condensates.

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