

5th

Fukuoka RNA commons

## Centromeres at the Crossroads of Growth and Quiescence

演者：江刺 史子 教授

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University of Oxford



11.15

17:00~18:00



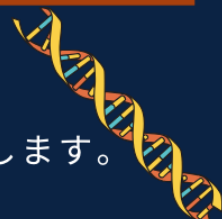
馬出九大病院地区 総合研究棟1F 101号室

### 要旨

Centromeres are critical genomic regions that ensure accurate chromosome segregation, yet their DNA sequences show remarkable variability. Despite this sequence diversity, centromeres maintain their essential functions across various biological contexts. In this talk, I will explore the dynamic nature of centromeres as hotspots for DNA breaks and transcriptional activity by RNA polymerase II. I will highlight how centromere DNA can evolve without compromising functionality, both in dividing and quiescent (non-dividing) human cells. Finally, I will discuss the broader physiological implications of centromere dynamics, emphasizing their roles in human health and disease.

オンサイトのみ。発表言語は英語です。

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