

IMEG Seminar Series

The road to global science

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September 14th, 2023, 17:00-18:00

Regulation of placental gene expression by endogenous retroviruses



This seminar series is open to all students and researchers in Kumamoto University.
The Zoom ID and passcode were sent via email. Check your inbox!

Transposable elements (TEs) are a highly diverse group of genetic entities that can move around the genome, although they may lose that capacity through mutational processes. On one hand, TEs pose a mutagenic risk to their host, such that their activity needs to be restricted by transcriptional silencing and other mechanisms. On the other hand, TEs are a source of coding and non-coding sequences that can be co-opted by the host to drive evolution. Our lab aims to understand how mechanisms of transcriptional regulation are involved in these two seemingly opposing facets of transposon biology. We are particularly interested in how TEs have contributed to placental evolution and function, and how their dysregulation may be implicated in pregnancy complications.