

オンライン講演会

2023年1月24日 (火) 16:40-18:10



講演者：谷内江 望  
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## HD Video Recorder of the Cell

The dynamic behaviors of cells during development, tumorigenesis, and other disorders remain largely unclear. Our lab is developing “DNA event recording” systems by which high-resolution information of cells is progressively stored in cell-embedded “DNA tapes.” Using high-throughput single-cell sequencing, such a system enables access to molecular and cellular history information of cells at the time of observation and provides a way of observing the dynamics of complex biological systems in high resolution. We envision mapping the whole-body cell lineage and differentiation trajectories of mouse development and have been actively progressing towards this goal. I will share our grant vision and recent progresses in developing new genome editing tools and high-performance computing technologies.

視聴を希望される方は事前申込を1月20日 (金) までに [saita.maho@ocha.ac.jp](mailto:saita.maho@ocha.ac.jp) へお願いします。受付後、オンラインサイトを連絡いたします。

後援：ヒューマンライフサイエンス研究所