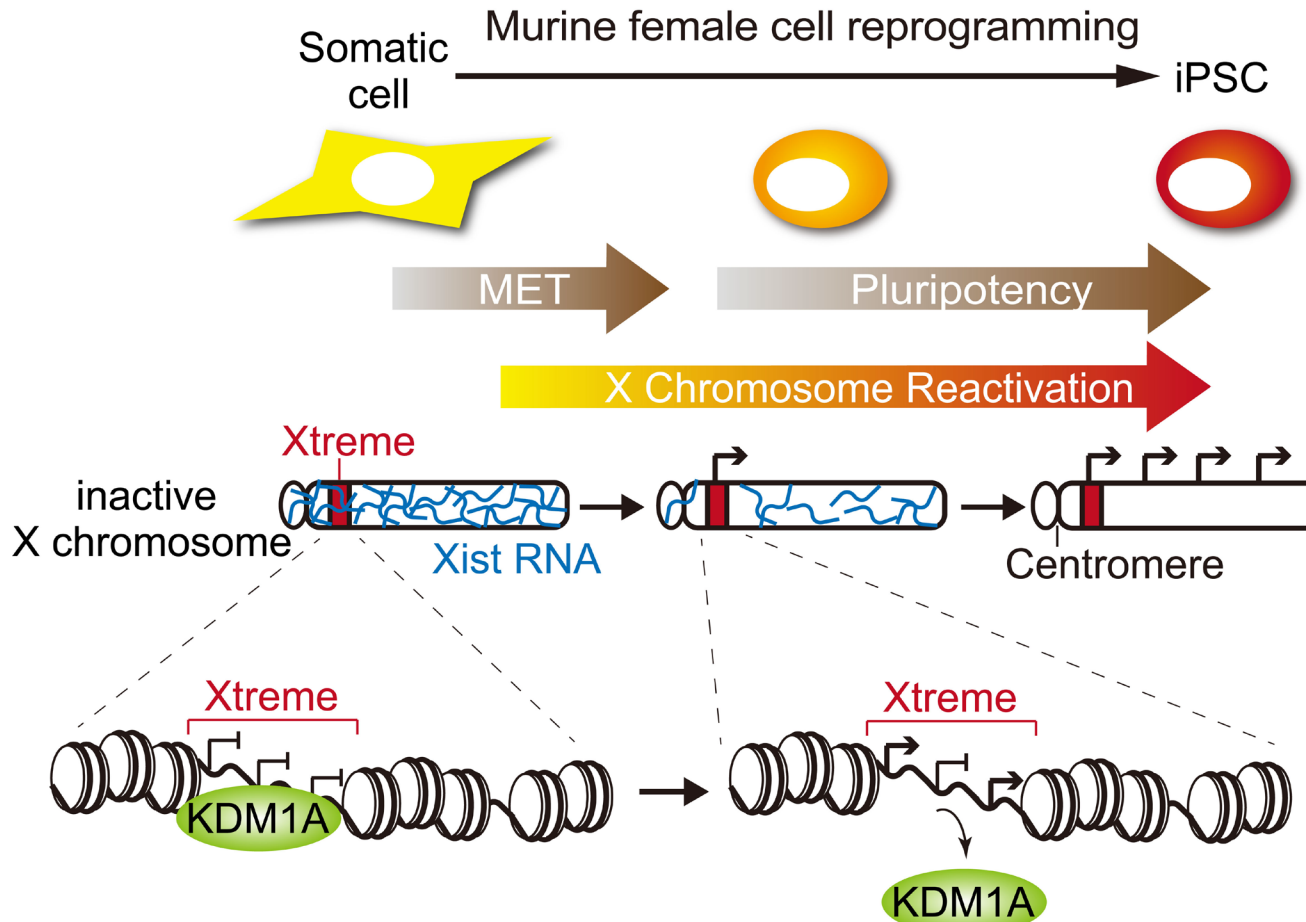


Early reactivation of clustered genes on the inactive X chromosome during somatic cell reprogramming



We analyzed early events of X chromosome reactivation (XCR) by generation of partially reprogrammed iPSCs. They found XCR initiation at a subset of genes clustered near the centromere region before complete shut-off of *Xist* expression. Regulatory regions of these genes display dynamic changes in lysine-demethylase 1a (KDM1A) occupancy, suggesting a possible role for histone demethylation in this process.

References: Aizawa et al., *Stem Cell Reports*. 2022; 17(1): 53-67.

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