

SÉMINAIRES ET CONFÉRENCES



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“ Euchromatin hopping from enhancers to distal chromatin confounds regulatory element predictions so how can we identify regulatory codes that define cell states? ”

Chromatin states define and maintain cell states with euchromatin and heterochromatin associated histone modifications separating the genome into opposing regulatory domains and nuclear compartments. Whereas heterochromatin is known to spread to adjacent nucleosomes, no such ability has been ascribed to euchromatin. In pluripotent stem cells we identified "euchromatin hopping"; active enhancers, previously thought to exclusively influence their immediate vicinity, induce H3K27ac, and enhancer-like RNA production at transcriptionally inert genomic regions spanning >200 kb. Given these features are used for computational predictions of enhancers by ENCODE, FANTOM and others how can we identify the regulatory codes that define cell states?



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Pavillon Joseph-Armand-Bombardier, Salle : 1035

et

[Zoom](#)

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