CDB SEMINAR

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Monday, November 30, 2015

~~15:00~15:50~~ Auditorium C1F **14:30~15:30 (Updated: Oct. 23)**

Genome-wide remodeling of sperm epigenome upon fertilization

Summary

In the life cycle of mammals, there is no other stage than fertilization where chromatin is genome-widely assembled *de novo* from the beginning. Fertilization therefore provides an excellent model for studying epigenetic reprogramming and chromatin function. I would like to talk about how chromatin remodeling of sperm epigenome proceeds in mouse preimplantation embryos. The topics I will talk include;

1). Mechanism of DNA demethylation
2). An unprecedented role of nucleosomes in nuclear pore complex assembly revealed by generation of histone-free nuclei
3). Genome-wide mapping of accessible chromatin in preimplantation embryos

Host:
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