

SFB 900 Seminar Series

ALL GUESTS ARE WELCOME

TITLE

Epigenetic control of herpesvirus simplex 1 latency.
Make room for the S/H/M entity!

SPEAKER

Patrick Lomonte, Ph.D., CNRS Research Director, Institut
NeuroMyoGène – Pathophysiology and Genetics of
Neuron and Muscle (INMG-PGNM), Lyon, France

LOCATION

Lecture Hall Q, building J6, MHH Campus



07.07.
2022

6.00 PM (s.t.)

» Research of Patrick Lomonte

We investigate the contribution of the chromatin assembly-associated HIRA protein complex combined to the promyelocytic leukemia nuclear bodies (PML-NBs) in the detection and chromatinization of naked/non-nucleosomal DNA. In that context we study the formation of specific nuclear bodies called DNA-containing PML-NBs (DCP-NBs). By extension, we also study the implication of the DCP-NBs in the chromatin structure acquisition and maintenance, and in the control of the transcription of a virus-encoded long non-coding RNA (lncRNA). Beyond the study of chromatin assembly, this research area also intends to understand how the nuclear architecture controls the biology of a nuclear-replicating neurotropic persistent virus, from the point of view of viral genome nuclear positioning, chromatin marks acquisition, and regulation of transcription.

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