Huitième réunion annuelle du GdR ADN

28 - 29 mars 2019

jeudi 28 mars

13:00-14:00 **Accueil (sandwichs, café)**

14:00-14:30 **Antoine Coulon**: Probing genome organization with intra-nuclear mechanical micro-manipulation

14:30-15:00 **Paul Villoutreix**: From open large image datasets to scientific insights in developmental biology

15:00-15:30 **Leopold Carron**: Boost-HiC: computational enhancement of long-range contacts in chromosomal contact maps

15:30-16:00 **Etienne Routhier**: Studying the effects of single mutations on nucleosome positioning with deep neural network

16:00-16:45 **pause café**

16:45-17:15 **Yegor Vassetzky**: Viral transactivators shape the nucleus of human B-cells for oncogenesis

17:15-17:45 **Daniel Jost**: Modeling heterochromatin reorganization during senescence

17:45-18:15 **Benoît Moindrot**: CTCF binding controls the expression of imprinted _Dlk1-Dio3_ and _Igf2-H19_ loci by structuring allele-specific sub-domains

20:00 **dîner convivial**

vendredi 29 mars

09:00-09:15 **Accueil**

09:15-9:45 **Yad Ghavi-Helm:** Highly rearranged chromosomes reveal uncoupling between genome topology and gene expression

09:45-10:15 **Gabriel David**: Séparation de phases de protéines liées à l'ADN

10:15-10:45 **Sam Meyer**: Global and ancestral regulation of bacterial transcription by DNA supercoiling

10:45-11:15 **Ivan Junier**: Chromosome structuring versus genome organisation in bacteria

11:15-11:45 **pause café**

11:45-12:15 **Elise Dumont:** Molecular dynamics insights for DNA lesions in oligonucleotides and nucleosomal DNA

12:15-12:45 **Ambra Giglia-Mari**: Nuclear Beta-Actin and Nuclear Myosin I are required for rDNA/RNAP1 repositioning within the nucleolus after rDNA repair

12:45-13:15 **Jean-Michel Arbona**: Emergence of the spatio-temporal replication program: from 1D signals to 3D chromatin structures

13:15-14:30 **déjeuner (buffet)**