

# Epigenetics, from phenomena to molecular mechanisms

*Coordinators: Pierre Baduel, Barbara Despres and Vincent Colot*

## **Tuesday 9 January**

10h-12h Pierre Baduel (IBENS, Paris): Introduction.

14h-16h Pierre-Antoine Defossez (Université de Paris Cité): DNA methylation dynamics in eukaryotic genomes

## **Friday 12 January**

10h-12h Marta Radman-Livaja (IGMM, Montpellier): Chromatin and DNA Replication.

14h-16h. Sophie Polo (Université de Paris Cité): Chromatin integrity following DNA damage.

## **Tuesday 16 January**

10h-12h Germano Cecere (Institut Pasteur, Paris): Small RNAs and epigenetic inheritance in *C. elegans*.

14h-16h Sven Saupe (IBGC, Bordeaux): Prion: Epigenetic heredity of structure.

## **Friday 19 January**

10h-12h Deborah Bourc'his (Institut Curie, Paris): Epigenetic control of mammalian reproduction.

14h-16h Felipe Teixeira (University of Cambridge): Mechanisms controlling transposable element activity in the *Drosophila* germline

## **Tuesday 23 January**

10h-12h Edith Heard (EMBL, Heidelberg & Collège de France, Paris): Evolutionary diversity and developmental dynamics of X-chromosome inactivation.

14h-16h Céline Vallot (Institut Curie, Paris): Epigenetics and cancer.

## **Friday 26 January**

10h-12h Pierre Baduel (IBENS, Paris): The epiallelic potential of transposable elements and its significance in plants.

14h-16h André Verdel (IAB, Grenoble): RNA, epigenetic and stress.

## **Tuesday 6 February**

10h-12h Giacomo Cavalli (IGH, Montpellier): PcG and transgenerational epigenetic inheritance.

14h-16h Laurent Loison (IHPST, Paris): Polysemy of the term and concept "epigenetics".

16h-17h Concluding remarks.

## **Friday 9 February**

14h-16h30 Written exam.