

Epigenetics, from phenomena to molecular mechanisms

Coordinators: Pierre Baduel, Barbara Despres and Vincent Colot.

Tuesday 4th January

14h-14h45 Pierre Baduel (IBENS, Paris): Introduction.

15h-17h Marta Radman-Livaja (IGMM, Montpellier): Chromatin and DNA Replication.

Friday 7th January

10h-12h Sophie Polo (Université de Paris): Chromatin integrity following DNA damage.

14h-16h Edda Schulz (Max Planck Institute for Molecular Genetics, Berlin): X inactivation in female mammals.

Tuesday 11th January

10h-12h Jérôme Dejjardin (IGH, Montpellier): Chromatin proteomics.

14h15-16h15 Alena Shkumatava (Institut Curie, Paris): lncRNAs.

Friday 14th January

9h30-11h30 Felipe Teixeira (University of Cambridge): Mechanisms controlling transposable element activity in the *Drosophila* germline.

13h00-15h Edith Heard (European Molecular Biology Laboratory, Heidelberg & College de France, Paris): Evolutionary diversity and developmental dynamics of X-chromosome inactivation.

15h30-17h30 Pierre Baduel (IBENS, Paris): The epiallelic potential of transposable elements and its significance in plants.

Tuesday 18th January

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

14h-16h Deborah Bourc'his (Institut Curie, Paris): Epigenetic control of mammalian reproduction.

Friday 21th January

10h-12h Sven Saupe (IBGC, Bordeaux): Prion: Epigenetic heredity of structure.

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

Tuesday 25th January

10h-12h Laure Teyssset (LBP, Paris): Paramutation in *Drosophila*.

14h-16h Laurent Loison (IHPST, Paris): Lamarckism and epigenetics.

16h-17h Concluding remarks.

Friday 28th January

9h30-12h Written exam.