

Epigenetics, from phenomena to molecular mechanisms

Coordinators: Pierre Baduel, Barbara Despres and Vincent Colot

Friday 20 September

9h30-11h30 Vincent Colot (IBENS, Paris): Introduction.

Friday 27 September

9h30-11h30 Sophie Polo (Université de Paris Cité): Epigenome maintenance in response to DNA damage.

Friday 4 October

9h30-11h30 Petra Hajkova (Imperial college, London): Epigenetic reprogramming in the mammalian germ line.

Friday 11 October

9h30-11h30 Pierre Baduel (IBENS, Paris): The epiallelic potential of transposable elements and its significance in plants.

Friday 18 October

9h30-11h30 Raphaël Margueron (Institut Curie, Paris): Polycomb machinery and transcriptional memory.

Friday 25 October

9h30-11h30 Sandra Duhaucourt (Institut Jacques Monod, Paris): Epigenetics and genome editing in *Paramecium*.

Friday 8 November

9h30-11h30 Deborah Bourc'his (Institut Curie, Paris): Epigenetic control of mammalian reproduction.

Friday 15 November

9h30-11h30 Edith Heard (EMBL, Heidelberg & College de France, Paris): Evolutionary diversity and developmental dynamics of X-chromosome inactivation.

Friday 22 November

9h30-11h30 Ana Boskovic (EMBL, Rome): Mechanisms of Embryonic gene regulation in Mammals.

Friday 6 December

9h30-11h30 Céline Vallot (Institut Curie, Paris): Epigenetics and cancer.

Friday 10 January

9h30-11h30 Sven Saupe (IBGC, Bordeaux): Prion: Epigenetic heredity of structure.

Friday 17 January

9h30-11h30 Germano Cecere (Institut Pasteur, Paris): Small RNAs and epigenetic inheritance in *C. elegans*.

Friday 24 January

9h30-11h30 Laurent Loison (IHPST, Paris): Polysemy of the term and concept "epigenetics".
Concluding remarks.

Friday 7 February

9h30-12h Written exam.