

**Master Sciences et technologie: TC1 (HMBS324)**

**« Genetic and epigenetic information - molecular bases »**

**Lundi 14/09 (8h-11h15), amphi de Génopolys**

*Introduction :*

**Michel Koenig:** Introduction: «The Revolution of the Human Genome Program» (1h30)

**Robert Feil:** « Introduction of epigenetic regulation and DNA methylation» (1h30)

**Mercredi 16/09 (13h15-16h30), amphi UPM, Arnaud de Villeneuve**

**Robert Feil and David Lleres:** «Genomic imprinting and Epigenetic Diseases (Introduction, Research, Discussion) »

**Lundi 21/09 (8h-11h15), amphi UPM, Arnaud de Villeneuve**

**Michel Koenig:** « Family analyses: linkage studies»

**Mercredi 23/09 (13h15-16h30), amphi UPM, Arnaud de Villeneuve**

**Frédéric Bantignies :** “ Chromatin modifications : histone marks”

**Lundi 28/09 (8h-11h15), amphi de Génopolys**

**Michel Koenig:** « Diseases by somatic and germline *de novo* mutations: concepts and investigation strategies »

**Mercredi 30/09 (13h15-16h30), amphi de Génopolys**

**Carolina VARELA-CHAVEZ:** “RNA world: heterochromatin and transcriptional silencing”

**Lundi 05/10 (8h-11h15), amphi UPM, Arnaud de Villeneuve**

**Michel Koenig:** « High throughput sequencing and identification of disease genes »

**Mercredi 07/10 (13h15-16h30), amphi de Génopolys**

**Etienne Schwob:** « DNA replication & maintenance of genetic and epigenetic information »

**Lundi 12/10 (8h-11h15), amphi UPM, Arnaud de Villeneuve**

**Giacomo Cavalli:** « Architecture of the Genome/3D: the Polycomb paradigm »

**Mercredi 14/10 (13h15-16h30), amphi de Génopolys**

**D.Helmlinger:** « Epigenetic regulation: yeast as a model system »