

Master course in Molecular Biology and Genetics
PhD Program in Genetics, Molecular and Cellular Biology

Architecture, Function and Evolution of the eukaryotic chromosome
Funded by Cariplo Foundation

Aula Jucci, 4° piano, Botta 2, Via Ferrata 9

Organizers: Sergio Comincini, Elena Giulotto, Ennio Prospero, Ivana Scovassi

February 25, 14.30-16.30

Marilena Iorio, *Istituto Tumori, Milan*

Genesis and epigenetic regulation of gene expression by microRNAs: diagnostic and therapeutic implications. MicroRNAs in breast cancer driving pathways

February 26, 14.30-16.30

Aurora Ruiz-Herrera, *Universitat Autònoma de Barcelona, Spain*

Chromosomal evolution and comparative genomics in mammals. Dissecting mammalian genome evolution: ancestral reconstructions, genome shuffling and recombination

February 27, 14.30-16.30

Annick Harel-Bellan, *SEA Saclay, Paris, France*

Small RNAs in the nucleus and in the cytoplasm

February 28, 14.30-16.30

Giulio Pavesi, *Department of Biosciences, University of Milan*

Annotation of regulatory elements in genomic sequences: the basics and the next-generation sequencing era

March 3, 14.30-16.30

Claus Azzalin, *ETZH, Zurich, Switzerland*

Long non coding RNA at fission yeast and human telomeres

March 5, 11.00-12.00

Gianluca Fossati, *Italfarmaco, Milan*

Targeting epigenetic erasers to dampen inflammation. Small molecule anti-inflammatory HDAC inhibitors

March 6, 14.30-16.30

Robin Allshire, *University of Edinburgh, UK*

Establishment and maintenance of specialised chromatin domains

March 7, 14.30-16.30

Lidia Larizza, *Medical Genetics Unit, University of Milan*

Human genetic disorders caused by mutations in epigenetic genes : focus on Rubinstein Taybi syndrome