



SYSBIO-EPIGEN joint workshop



## EPIGENETICS AND SYSTEMS BIOLOGY

*The most relevant topics of Epigenetics in the frame of a Systems Biology Approach*

11 March 2016

University of Milano - Bicocca - Piazza della Scienza, 4  
Building U4, Room 8

### Program

#### Morning session - Chair and Discussant: Lilia Alberghina

- 9:30-10:00 Registration
- 10:00-10:30 **Lilia Alberghina** - SYSBIO Centre of Systems Biology Milan, Italy  
*Welcome and Introduction*
- 10:30-11:10 **Roland Eils** - DKFZ, Germany  
*Prenatal environmental exposure induces stable epigenetic reprogramming in children*
- 11:10-11:30 **Coffee break**
- 11:30-12:10 **Graziano Pesole** - IBBE-CNR, Italy  
*Computational investigation of epigenetic regulation mechanisms by simultaneous analysis of genome and transcriptome data*
- 12:10-12:50 **Modesto Orozco** - IRB Barcelona, Spain  
*A theoretical view of epigenetics*
- 12:50-14:00 **Lunch**

#### Afternoon session - Chair and Discussant: Giuseppe Macino

- 14:00-14:40 **Pernette Verschure** - University of Amsterdam, The Netherlands  
*Epigenetics makes us tick: Functional performance, time-delay, memory, cell-cell variability and robustness*
- 14:40-15:20 **Chiara Damiani / Daniela Gaglio** - SYSBIO Centre of Systems Biology Milan, Italy  
*Experimental and computational approaches to Cancer Metabolic Rewiring*
- 15:20-16:00 **Hans V. Westerhoff** - University of Amsterdam, The Netherlands  
*Systems Biology beyond genome and metabolome*
- 16:00-16:20 **Coffee break**
- 16:20-17:00 **Gianni Cesareni** - Tor Vergata University of Rome, Italy  
*Towards a system level understanding of the muscle regeneration process*
- 17:00-17:30 **Giuseppe Macino** - Sapienza University of Rome, Italy  
*Conclusions*