

**Tenth International Conference on *Drosophila* Heterochromatin**

**June 12 -18, 2011**

**Gubbio, Italy**

**PROGRAM**

## June 12

**6:00 PM**      **Registration and “Benvenuti” in the meeting place “S. Spirito”**

## June 13

9:00 - 10:00      Registration

Chair: Davide Corona

10:00 - 10:30 Axel Imhof                      Heterochromatin Proteomics

10:40 - 11:10 Mia Levine                      Phylogenomics of the Heterochromatin Protein 1 gene family guides analysis of germline heterochromatin

11:20 - 11:40 coffeebreak

11:40 - 12:10 Benjamin Ross                      Centromeric neofunctionalization of the heterochromatin protein Umbrea

12:20 - 12:50 FangLin Sun                      The dynamic control of HP1 on chromatin

1:00 - 3:00      lunch

Chair: Terrence Lyttle

3:00 - 3:30 Bernardo Lemos                      Y variants tip the chromatin balance

3:40 - 4:10 Eduardo Gorab                      On the detection of triple helical DNA in *Drosophila* heterochromatin

4:20 - 4:50 Dmitry V. Fyodorov                      *Drosophila* Linker Histone H1 Is an Essential Regulator of Pericentric Heterochromatin Structure and Function

5:00 - 5:20      coffeebreak

5:20 - 5:50 Igor Sharakhov                      Heterochromatin in malaria mosquito *Anopheles gambiae*

6:00 - 6:30 Maria Sharakhova                      Comparative mapping of heterochromatin in malaria mosquitoes *Anopheles stephensi* and *Anopheles gambiae*

7:15  
wavers                      *Appointment in Piazza Grande for a "benvenuti" show of the flag-*

8:00                      *Wine tasting and local products in a typical medieval tavern*

## June 14

Chair: Benjamin Loppin

- 9:00 - 9:30 I.F. Zhimulev Chromosomal organization of genome: intercalary heterochromatin as a marker for determination of bands and interbands in polytene chromosomes of *Drosophila melanogaster*
- 9:40 - 10:10 Kolesnikova T.D SUUR protein physically interacts with replication machinery in *Drosophila melanogaster*
- 10:20 - 10:50 Prim B. Singh Age reprogramming – the heterochromatin connection?
- 11:00 - 11:20 coffeebreak
- 11:20 - 11:50 J. C. Lucchesi The MSL complex of *Drosophila* facilitates transcription by altering DNA topology
- 12:00 - 12:30 Jan Larsson Chromosome-wide gene regulation in *Drosophila*
- 12:40 - 1:10 Davide F.V Corona Chromatin Binding, Nucleosome Spacing and ncRNA-mediated Regulation of the Remodeling ATPase ISWI
- 1:20 - 3:20 lunch
- 3:20 - 3:50 Barbara Fasulo The chromatin-remodeling factor dMi-2 regulates higher-order chromatin structure in vivo
- 4:00 - 4:30 Patrizio Dimitri The YETI gene: from *Drosophila melanogaster* heterochromatin to human craniofacial development
- 4:40 **Coffeebreak and Posters Session**
- 8:00 *Dinner in the hotels*

## June 15

Chair: Jan Larsson

- 9:00 - 9:30 Pavel Georgiev Chromatin Insulators in *Drosophila melanogaster*
- 9:40 - 10:10 Fernando Azorín The contribution of *Drosophila* dKDM5/LID to transcription regulation
- 10:20 - 10:50 François Karch Studying Abd-B expression using BACs: a new case of transvection
- 11:00 - 11:20 coffeebreak
- 11:20 - 11:50 Jean-Yves Roignant The exon junction complex is required for the splicing of *MAPK* and other heterochromatic transcripts
- 12:00 - 12:30 Stephen Klusza The *Drosophila* spliceosomal protein *peanuts* affect chromatin dynamics in *Drosophila* nurse cells
- 12:40 - 2:40 lunch
- 3:00 *Round Trip in Urbino and Dinner in a typical restaurant*

## June 16

Chair: Fernando Azorín

- 10:00 - 10:30 Sergio Pimpinelli                      Stress and transposons
- 10:40 - 11:10 Maria Pia Bozzetti                      Roles for piRNA-related genes in silencing of repetitive sequences and transposons in gonads of *Drosophila melanogaster*
- 11:20 - 11:40      coffeekbreak
- 11:40 - 12:10 Chantal Vaury                      Pc-G-dependent - HP1-independent- chromatin structures silence retrotransposons in somatic tissues outside ovaries
- 12:20 - 12:50      Matthias Schaefer                      Loss of Dnmt2-mediated RNA methylation causes the destabilization of transfer and transposon-derived RNA leading to increased endogenous RNA stress
- 1:00 - 3:00          lunch
- 3:00 - 3:30 Abdou Akkouche                      Population analyses reveal chromatin modifications induced by a retrotransposon
- 3:40 - 4:10 Sheila Teves                      Global changes in active chromatin and nucleosome turnover during heat shock induction
- 4:20 - 4:40          coffeekbreak
- 4:40      visit to Spello and wine tasting and local products in a typical "cantina"

## June 17

Chair: Maurizio Gatti

- 9:30 - 10:00 Giovanni Cenci                      Organization and evolution of *Drosophila* telomeres: The role of *pendolino* (*peo*) in telomere maintenance
- 10:10 - 10:40 Benjamin Loppin                      Protection of paternal telomeres from sperm to zygote
- 10:50 - 11:10      coffeekbreak
- 11:10 - 11:40 Yikang S. Rong                      A paternal imprint essential for the inheritance of telomere identify in *Drosophila*
- 11:50 - 12:20 James M. Mason                      Mapping Telomere elongation mutations in *Drosophila*
- 12:30 - 1:00 R. C. Frydrychova                      TAS deficiency disrupts telomere-telomere associations
- 1:10 - 3:10          lunch

Chair: James Mason

3:10 - 3:40 Leonard Robbins

Loose ends

3:50 - 4:20 John E. Tomkiel

Euchromatic homology is sufficient for pairing of rDNA-deficient X chromosomes in male meiosis

4:30 - 4:50 coffeebreak

4:50 - 5:20 Anne Royou

Cell elongation, an adaptive mechanism clearing long chromosome arms from the cleavage plane

5:30 - 6:00 Shaila Kotadia

Heterochromatin expansion during anaphase in stem cell and nonstem cell divisions

7:00

*Farewell Banquet at the "Faro rosso"*

## **June 18**

9:15 - Discussion groups

12:00 lunch

15:00 Departure