



Dottorato in Genetica, Biologia Molecolare e Cellulare  
Scuola di Dottorato in Scienze della Vita "Camillo Golgi" - Università degli Studi di Pavia

## Corso Basi molecolari dei processi cellulari

### *“Chromosome dynamics and genome stability”*

April 15-19, 2013

#### **Organizers:**

- Giuseppe Biamonti, CNR, Director of the Institute of Molecular Genetics (IGM)
- Marco Foiani, University of Milano, Scientific Director of the FIRC Institute of Molecular Oncology (IFOM)
- Claudia Ghigna, CNR, Researcher of the IGM
- Giordano Liberi, CNR, Researcher of the IGM
- Alessandra Montecucco, CNR, Senior Researcher of the IGM

#### **Monday 15th April, 2013**

14:30 – 16:15

DANA BRANZEI

*1 - DNA repair*

*2 - Chromatin architectural transitions and molecular switches promoting sister chromatid recombination*

16:15 – 16:30 Coffee break\*

16:30 -17:30

GIORDANO LIBERI

*The role of Senataxin in preventing DNA replication-transcription conflicts*

#### **Tuesday 16<sup>th</sup> April, 2013**

14:15 -16:00

VINCENZO COSTANZO

*1 - Studying DNA metabolism genes in vertebrate model system*

*2 - The role of the DNA damage response and repair genes in chromosomal DNA replication*

16:00 – 16:15 Coffee break

16:15- 18:00

SIMONE SABBIONEDA:

*1 - DNA translesion synthesis in vertebrates: when being inaccurate can be good thing*

*2 - Role of post translational modifications in TLS: increasing the confusion index*

**Wednesday 17<sup>th</sup> April, 2013**

14:15 -16:00

ANDREA CILIBERTO

*1 - How cells prevent aneuploidy*

*2 - Quantitative analysis of the Spindle Assembly Checkpoint*

16:00 – 16:15 Coffee break

16:15- 18:00

ALESSANDRA MONTECUCCO

*1 - Pre-mRNA processing factors meet the DNA damage response*

*2 - The multifaceted response to DNA ligase I deficiency*

**Thursday 18<sup>th</sup> April, 2013**

14:15 -15:15

FRANCESCO BLASI

*The tumor suppressor gene Prep1: role in DNA replication and DNA damage*

15:15 – 15:30 Coffee break

15:30 -17:30

SVEND K. PETERSEN-MAHRT

*1 - DNA instability is good for you*

*2 - AID dynamics in immunity and epigenetics*

**Friday 19<sup>th</sup> April, 2013**

14:15 -15:15

MARCO FOIANI

*An ATR-mediated mechanical response controlling nuclear plasticity*

15:15 – 15:30 Coffee break

FABRIZIO D'ADDA di FAGAGNA

15:30 – 17:00

*Genome stability: its relevance in cancer and ageing and the role of ncRNA to preserve it*

\* Coffee breaks are offered by *EuroClone, StarLab, LiStarFish*