

# Tuesday, June 15

## Fifteenth ICGEB Symposium

9.00 Opening of the Fifteenth ICGEB Symposium

9.30

ANIMAL MODELS

**Federica Benvenuti.** *Antigen presentation.* 5'  
**Jelena Petrovic.** *Unraveling the role of cell polarity in DCs during T cell priming.* 15'  
**Francesca Prete.** *Altered Toll-like Receptor signalling in DCs deficient for Wiskott-Aldrich syndrome protein: a role for autoimmunity?* 20'  
**Andres Muro.** *Introduction to Crigler-Najjar Syndrome* 5'  
**Giulia Bortolussi.** *From gene targeting to gene therapy: new insights into Crigler-Najjar syndrome using UGT1 knock-in mice.* 20'

Chairman: M. Giacca

10.00

10.30

YEAST RECOMBINATION

**Carlo Bruschi.** *The long and winding road of DNA bridge-induced chromosomal translocations (BIT).* 5'  
**Valentina Tosato/Beatrice Rossi.** *Position matters a BIT: translocation frequency varies in S or M cell cycle phase-blocked yeast cells.* 15'

Chairman: M. Myers

11.00

Coffee Break

11.30

YEAST RECOMBINATION

**Remigiusz Arnak.** *Size matters a BIT: bridge-induced translocation dependency on nuclear organization in yeast.* 10'

**Dimitar Efremov.** *Introduction to CLL.10'*

12.00

CANCER

**Mirza Suljagic.** *Inhibition of B-cell receptor signaling induces leukemia regression in the TCL1 transgenic mouse model of CLL.* 15'

**Roberto Negro.** *The PTPN22 phosphatase is overexpressed and modulates B-cell receptor signaling in chronic lymphocytic leukemia.* 15'

12.30

**Mauro Giacca.** *Introduction to VEGF biology.* 5'

**Annalisa Zecchin.** *VEGFR2 acetylation regulated tyrosine kinase activity.* 10'

**Alessandro Carrer.** *A novel cell population of bone marrow origin regulating vessel stabilization and tumor growth.* 20'

Chairman: M. Myers

13.00

Buffet Lunch

14.30

RNA PROCESSING

**Franco Pagani.** *Introduction to RNA processing: from molecular mechanisms to human disease.* 10'  
**Monica Passoni.** *Investigating the effects on splicing of GT repeats positioned near an exon donor site.* 10'  
**Eugenio Fernandez.** *Requirements for exon activation mediated by U1 snRNA binding to a target sequence in defective donor splice sites.* 15'  
**Lorena Zubovic.** *Developmentally regulated mutually exclusive splicing of the sodium channel SCN8A.* 15'  
**Elisa Goina.** *A novel SMN2 variant induces exon 7 Inclusion and reduces the clinical severity of spinal muscular atrophy.* 15'  
**Mirjana Nedeljkovic.** *Non-canonical cis-acting elements regulating polyadenylation of the  $\beta$ -adducin pre-mRNA.* 10'  
**Anna Kula.** *Nuclear retention of HIV-1 pre-mRNA through PSF/p54nrb and Matrin 3 is required for Rev activity.* 15'

Chairman: A. Muro

15.00

15.30

16.00

Coffee Break

16.30

CELL BIOLOGY TECH

**Alessandro Marcello.** *Advanced optical microscopy.* 10'

**Paolo Maiuri.** *RNA polymerase elongation: fast and furious.* 10'

**Oscar Burrone.** *Events in the endoplasmic reticulum.* 10'

17.00

**Gianluca Petris.** *A method to directly detect proteins retrotranslocated from the endoplasmic reticulum to the cytosol.* 15'

17.30

STRUCTURAL BIOLOGY

**Matija Popovic.** *The cytoplasmic tail of Jagged-1: conformational plasticity and molecular interactions.* 10'

**Amit Sharma (ICGEB New Delhi).** *Structural biology of malaria parasite proteins: insights and implications.* 30'

18.00

Chairman: A. Vindigni

# 2010

Wednesday, June 16

Fifteenth ICGEB Symposium

DNA METABOLISM

- Alessandro Vindigni.** *Introduction to RecQ helicases.* 10'
- Saravanabhavan Thangavel.** *Understanding the multiple roles of RecQ helicases in DNA replication.* 15'
- Matteo Berti.** *Identification and characterization of the human RECQ1 helicase complex.* 20'
- Fabio Rossi.** *Biochemical and functional characterization of Werner Helicase Interacting Protein I.* 20'
- Mauro Giacca.** *Introduction to mammalian origins of DNA replication.* 5'
- Laura Marchetti.** *Involvement of homeotic proteins in DNA replication regulation.* 10'
- Luca Pandolfini.** *Protein-DNA interactions at the lamin B2 replication origin.* 10'

Chairman: L. Banks

Coffee Break

TECH PDZ PROTEINS

- Lawrence Banks.** *Brief introduction to PDZ domain targets of HPV E6 and why are they important.* 5'
- Paola Massimi.** *Defining the biological function of the hScrib/hDlg complex in keratinocytes.* 20'
- Kazunori Nagasaka.** *hScrib Regulation of the ERK Signalling Cascade.* 20'

Chairman: D. Efremov

TDP43

- Marco Bestagno.** *Cell sorting @ ICGEB Trieste.* 10'
- Francisco Baralle.** *Introduction to TDP43 biology.* 5'
- Emanuele Buratti.** *2001-2010: a decennial of TDP 43 research.* 20'
- Fabian Feiguin.** *TDP43 regulates synapsis formation in Drosophila muscles. Novel mechanisms and implications for ALS.* 15'

Buffet Lunch

PROTEOMICS TECH

- Mike Myers.** *New trends in proteomics.* 20'
- Giuliano Degrassi.** *In planta secretome of an important rice pathogen.* 10'

Chairman: F. Feiguin

VIROLOGY QUORUM SENSING

- Vittorio Venturi.** *Introduction to quorum sensing.* 5'
- Juan Gonzalez.** *Plant associated bacteria: friends and foes use the same interkingdom language.* 15'
- Sandor Pongor.** *Generic models of biological communities.* 20'

- Francesca Arnoldi.** *Unresolved issues on viroplasm, the engine of Rotavirus replication.* 20'

Coffee Break

VIROLOGY

- Lisa Miorin.** *Flaviviral replication factories: biogenesis and innate immunity evasion.* 20'
- Lorena Zentilin.** *Introduction to AAV vectors.* 10'
- Jasmina Lovric.** *Cellular determinants of AAV permissivity.* 10'

Chairman: O. Burrone

TECH

- Miguel Mano.** *The ICGEB HTS facility: first applications and results.* 15'

TB

- Kanury Rao (ICGEB New Delhi).** *Defining host-pathogen interactions in tuberculosis infection through a genome-wide screen.* 30'

ICGEB Science Quiz

Aperitif

Buffet Dinner

2010