

IFOM Symposia



Program

THURSDAY - 25 OCTOBER 2012

08.30 - 08.50 Welcome address Marco Foiani, IFOM - University of Milan, IT

Gene diversification, genome stability and cancer - Chair: Marco Foiani

08.50 - 09.30	Keynote Lecture An evolutionary view of the mechanism for immune diversity and genome instability Tasuku Honjo , Kyoto University Graduate School of Medicine, JP
09.30 - 09.50	Regulation of local DNA damage - a Damocles sword Svend Petersen-Mahrt, IFOM, IT
09.50 - 10.10	Regulation of recombination intermediate resolution in mitotic cells for genome stability Dana Branzei , IFOM, IT
10.10 - 10.40	Regulating the p53 pathway David Lane, A*STAR, SG
10.40 - 11.05	Recent advances in hematopoietic stem cell gene therapy: from microRNA regulation to targeted gene transfer Luigi Naldini, San Raffaele Telethon Institute for Gene Therapy-HSR TIGET, IT
11.10 - 11.30	Coffee break
Stem cells and cancer stem cells - Chair: Pier Paolo Di Fiore	
11.30 - 12.00	Regulation of self-renewal in cancer stem cells Pier Giuseppe Pelicci, IEO - University of Milan, IT
12.00 - 12.25	Mechanisms by which epidermal stem cells generate a tumor promoting microenvironment in the skin Colin Jamora , IFOM - Institute for Stem Cell Biology and Regenerative Medicine, IN

13.00 - 14.00 Lunch

Inflammation and Cancer - Chair: Alberto Mantovani

- 14.00 14.25 Mechanisms linking inflammation and cancer Alberto Mantovani, University of Milan - Istituto Clinico Humanitas, IT
- 14.25 14.50 Colon cancer microenvironment that helps invasion and metastasis: studies using mouse models Makoto Mark Taketo, Kyoto University Graduate School of Medicine, JP
- 14.50 15.15 Pin1 supports Myc-induced lymphomagenesis through suppression of a p53-dependent checkpoint Bruno Amati, IIT - IEO, IT
- 15.15 15.35 *Coffee break*

Angiogenesis, cell motility and metastasis - Chair: Giorgio Scita

- 15.45 16.10 Roles of Rho-family GTPases in glioma invasion as visualized by FRET biosensors Michiyuki Matsuda, Kyoto University Graduate School of Medicine, JP
- 16.15 16.35 RAB5 is a master regulator of tumor, mesenchymal invasive programs Giorgio Scita, IFOM - University of Milan, IT
- 16.35 17.00 Transcriptional regulation of endothelial cell differentiation Elisabetta Dejana, IFOM - University of Milan, IT
- 17.00 17.25 Active organization of membranes in living cells: How dynamic actin filaments organize membrane domains Satyajit Mayor, National Centre for Biological Sciences, IN

FRIDAY - 26 OCTOBER 2012

09.00 - 09.15 EMBO Global Activities Anne-Marie Glynn, EMBO, DE

Mechanisms of tumor suppression - Chair: Vincenzo Costanzo

- 09.15 09.35 Molecular mechanisms of cellular senescence Fabrizio d'Adda di Fagagna, IFOM - IGM (CNR), IT
- 09.35 09.55 Genetics of B-cell malignancies Stefano Casola, IFOM, IT
- 09.55 10.15 Trafficking and signaling: Complementary characters in tumor suppression Thomas Vaccari, IFOM, IT
- 10.20 10.40 Coffee break

New frontiers in cancer therapy - Chair: Alberto Bardelli

- 10.50 11.20 Connecting the machineries of cell fate determination and tumor suppression in breast stem cells Pier Paolo Di Fiore, IFOM - IEO - University of Milan, IT
- 11.20 11.40 Targeting DNA repair in chemotherapy Chit Fang Cheok, IFOM-p53 Lab, SG
- 11.40 12.00 Targeted therapies for colorectal cancer
 Alberto Bardelli, IFOM University of Turin-Medical School, IT
 13.00 14.00 Lunch
- 15.00 18.00 Poster Session

SATURDAY - 27 OCTOBER 2012

Signalling in cancer - Chair: Bruno Amati

- 09.00 09.25 Rap G Protein Signaling in Hematologic Malignancy
- Nagahiro Minato, Kyoto University Graduate School of Medicine, JP
- 09.25 09.50 Roles for RECK, a membrane-anchored regulator of extracellular matrix remodeling, in carcinogenesis **Makoto Noda**, Kyoto University Graduate School of Medicine, JP
- 09.50 10.10 Feed-back loops between extracellular proteolysis and cell adhesion in tumor growth Nicolai Sidenius, IFOM, IT
- 10.10 10.30 Dual role of the Mad2 dimerization interface in the spindle assembly checkpoint Andrea Ciliberto, IFOM, IT
- 10.30 11.00 *Coffee break*

Genome stability syndromes - Chair: Francesco Blasi

- 11.00 11.25 ATR mediated control of genome stability
- Marco Foiani, IFOM University of Milan, IT
- 11.25 11.50 Analysis of homologous recombination using the chicken B cell line, DT40 Shunichi Takeda, Kyoto University Graduate School of Medicine, JP
- 11.50 12.15 Novel molecular insights on vertebrate genome stability maintenance and their implications for cancer, aging and cellular reprogramming Vincenzo Costanzo, Cancer Research UK
- 12.15 12.45 **Conclusions**