Workshop on Cancer Stem Cells 2007
2nd edition

Scientific Program

Saturday DECEMBER 1, 2007

MORNING SESSION: Cancer stem cells in solid tumors
Chairman: **Pier Paolo Di Fiore**

h. 8.00/9.00 a.m. - Registration and poster positioning

h. 9.00/9.15 am
OPENING REMARKS
Pier Paolo Di Fiore

h. 9.15/9.45 am
Regulation of human breast cancer stem cells
Robert B. Clarke

h. 9.45/10.00 am
Long-term culture and proliferation of CD44+/CD24_/low cells derived from human breast carcinosarcoma
Kyung-Min Lee

h. 10.00/10.30 am
Therapeutic Resistance of BreastCancer Tumor-initiating Cells
Jeffrey Rosen

h. 10.30/10.45 am
Herceptin targets tumor initiating cells of HER2 positive tumors
Alessandra Magnifico

h. 10.45/11.15 am - *Coffee break*

h. 11.15/11.45 am
Melanocyte and Melanoma Stem Cells
Meenhard Herlyn

h. 11.45/12.00 am
Wip1 deletion prevents the conversion of intestinal stem cells into cancer stem cells.
Oleg Demidov

h. 12.00 am/12.30 pm
"Cancer Stem Cells": operational definition and clinical implications
Piero Dalerba

h. 12.30/12.45 pm
Molecular profiling of normal human breast stem cells: insights into mammary carcinogenesis.
Salvatore Pece

h. 12.45/2.00 pm - *Lunch*

AFTERNOON SESSION: Model systems
Chairman: **Saverio Minucci**

h. 2.00/2.15 pm
Distinct populations of cancer stem cells determine tumor growth and metastatic activity in human pancreatic cancer
Christopher Heeschen

h. 2.15/4.15 pm - **Poster session I**

h. 4.15/4.45 - *Coffee break*

h. 4.45/5.00 pm
Apc1572T: a mouse model encoding for Wnt/b-catenin signaling dosages affecting mammary but not intestinal stem cell homeostasis and malignancy
Claudia Gaspar

h. 5.00/5.30 pm
The biology of therapeutic response in mouse models of brain tumors
Eric C. Holland

h. 5.30/5.45 pm
A genetically engineered mouse model for breast cancer to test the cancer stem cell hypothesis as an explanation for lack of tumor eradication by chemotherapy.
Marina Pajic

h. 5.45/6.15 pm
Proliferation and self-renewal in Drosophila adult intestinal stem cells
Allison Bardin

h. 6.15 pm - *Transfer to the hotels by shuttle bus*

h. 7.30 pm - *Meeting in the lobby of Grand Visconti Palace hotel and walking transfer to pizza restaurant*

h. 7.45 pm - *Pizza Dinner* (facultative and on payment)

End of the day

Sunday DECEMBER 2, 2007

MORNING SESSION: Basic mechanisms
Chairman: **Luisa Lanfrancone**

h. 9.00/9.30 am
Neural crest-derived stem cells in the skin and their potential association with melanoma stem cells
Lukas Sommer

h. 9.30/9.45 am
Small molecule inhibitors of the Wnt signaling pathway
David Virshup

h. 9.45/10.15 am
Cancer stem cell fate decisions and cancer susceptibility
Allan Balmain

h. 10.15/10.30 am
Functional characterization of Snail2 mediated E-cadherin repression.
Patricia Molina-Ortiz

h. 10.30/11.00 am - *Coffee break*

h. 11.00 am/1.00 pm - **Poster session II**

h. 1.00/2.30 pm - *Lunch*

AFTERNOON SESSION: Basic mechanisms
Chairman: **Jeffrey Rosen**

h. 2.30/3.00 pm
Mechanisms of Genetic Fidelity in Adult Stem Cells
James Sherley

h. 3.00/3.15 pm
Notch1 and Pin1 establish a positive feed back loop to enhance tumor growth
Luca Tiberi

h. 3.15/3.45 pm
Using Drosophila as a cancer stem cell model
Jürgen Knoblich

h. 3.45/4.00 pm
The Role of the Nuclear Receptor Tailless in Neurogenesis and Maintenance of Brain Tumor Formation
Günther Schütz

h. 4.00/4.30 pm - *Coffee break*

h. 4.30/5.00 pm
Myc function in stem cells
Andreas Trumpp

h. 5.00/5.15 pm
CD44-targeting inhibits tumor growth and prevents post-chemotherapy relapse in human breast cancer xenografts
Elisabetta Marangoni

h. 5.15/5.45 pm
Breast Cancer Stem Cells: Implications for Prevention and Therapy
Max S. Wicha

h. 5.45/6.00 pm
Increased self renewal properties of breast cancer stem cells
Giuseppina Bonizzi

h. 8.30 pm - *Social Dinner*

Monday DECEMBER 3, 2007

MORNING SESSION: Leukemia stem cells
Chairman: **Michael Cleary**

h. 9.00/9.30 am
Deregulation of stem cell functions in leukemia stem cells
Emmanuelle Passeguè

h. 9.30/9.45 am
Function of Cyclin E1 and CDK2 in Hematopoietic Stem Cells
Stefano Campaner

h. 9.45/10.15 am - **Stuart H. Orkin**

h. 10.15/10.30 am
C/EBPa leukemogenic mutations cooperate in hematopoietic stem cells expansion and tumorigenesis
Oksana Bereshchenko

h. 10.30/11.00 am - *Coffee break*

h. 11.00/11.30 am
Induction of apoptosis in cancer stem cells in chronic myeloid Leukaemia
Tessa L. Holyoake

h. 11.30 am/12.00 pm
Leukemia stem cells: lessons from animal models
Michael Cleary

h. 12.00 am/12.30 pm
Toward the Understanding of Transcriptional Networks and Chromatin Structures in Embryonic Stem Cells
Chia-Lin Wei

h. 12.30 am/1.00 pm
CLOSING REMARKS
Pier Giuseppe Pelicci

h. 1.00 pm - *Sandwiches*

END OF THE WORKSHOP