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# Workshop on Cancer Stem Cells 2007

## 2nd edition

### Scientific Program

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#### Saturday DECEMBER 1, 2007

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*MORNING SESSION: Cancer stem cells in solid tumors*

Chairman: **Pier Paolo Di Fiore**

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

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h. 9.00/9.15 am

**OPENING REMARKS**

**Pier Paolo Di Fiore**

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h. 9.15/9.45 am

**Regulation of human breast cancer stem cells**

**Robert B. Clarke**

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h. 9.45/10.00 am

**Long-term culture and proliferation of CD44+ /CD24<sub>-</sub>/low cells derived from human breast carcinosarcoma**

**Kyung-Min Lee**

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h. 10.00/10.30 am

**Therapeutic Resistance of BreastCancer Tumor-initiating Cells**

**Jeffrey Rosen**

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h. 10.30/10.45 am

**Herceptin targets tumor initiating cells of HER2 positive tumors**

**Alessandra Magnifico**

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h. 10.45/11.15 am - *Coffee break*

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h. 11.15/11.45 am

**Melanocyte and Melanoma Stem Cells**

**Meenhard Herlyn**

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h. 11.45/12.00 am

**Wip1 deletion prevents the conversion of intestinal stem cells into cancer stem cells.**

**Oleg Demidov**

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h. 12.00 am/12.30 pm

**"Cancer Stem Cells": operational definition and clinical implications**

**Piero Dalerba**

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h. 12.30/12.45 pm

**Molecular profiling of normal human breast stem cells: insights into mammary carcinogenesis.**

**Salvatore Pece**

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h. 12.45/2.00 pm - *Lunch*

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**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**

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**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**

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h. 9.45/10.15 am

**Cancer stem cell fate decisions and cancer susceptibility**

**Allan Balmain**

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h. 10.15/10.30 am

**Functional characterization of Snail2 mediated E-cadherin repression.**

**Patricia Molina-Ortiz**

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h. 10.30/11.00 am - *Coffee break*

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

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h. 1.00/2.30 pm - *Lunch*

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**AFTERNOON SESSION: Basic mechanisms**

**Chairman: Jeffrey Rosen**

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h. 2.30/3.00 pm

**Mechanisms of Genetic Fidelity in Adult Stem Cells**

**James Sherley**

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h. 3.00/3.15 pm

**Notch1 and Pin1 establish a positive feed back loop to enhance tumor growth**

**Luca Tiberi**

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h. 3.15/3.45 pm

**Using Drosophila as a cancer stem cell model**

**Jürgen Knoblich**

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h. 3.45/4.00 pm

**The Role of the Nuclear Receptor Tailless in Neurogenesis and Maintenance of Brain Tumor Formation**

**Günther Schütz**

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h. 4.00/4.30 pm - *Coffee break*

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h. 4.30/5.00 pm

**Myc function in stem cells**

**Andreas Trumpp**

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h. 5.00/5.15 pm

**CD44-targeting inhibits tumor growth and prevents post-chemotherapy relapse in human breast cancer xenografts**

**Elisabetta Marangoni**

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h. 5.15/5.45 pm

**Breast Cancer Stem Cells: Implications for Prevention and Therapy**

**Max S. Wicha**

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h. 5.45/6.00 pm

**Increased self renewal properties of breast cancer stem cells**

**Giuseppina Bonizzi**

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h. 8.30 pm - *Social Dinner*

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## Monday DECEMBER 3, 2007

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### *MORNING SESSION: Leukemia stem cells*

Chairman: **Michael Cleary**

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h. 9.00/9.30 am

**Deregulation of stem cell functions in leukemia stem cells**  
**Emmanuelle Passeguè**

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h. 9.30/9.45 am

**Function of Cyclin E1 and CDK2 in Hematopoietic Stem Cells**  
**Stefano Campaner**

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

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h. 10.15/10.30 am

**C/EBPa leukemogenic mutations cooperate in hematopoietic stem cells expansion and tumorigenesis**  
**Oksana Bereshchenko**

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h. 10.30/11.00 am - *Coffee break*

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h. 11.00/11.30 am

**Induction of apoptosis in cancer stem cells in chronic myeloid Leukaemia**  
**Tessa L. Holyoake**

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h. 11.30 am/12.00 pm

**Leukemia stem cells: lessons from animal models**  
**Michael Cleary**

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h. 12.00 am/12.30 pm

**Toward the Understanding of Transcriptional Networks and Chromatin Structures in Embryonic Stem Cells**  
**Chia-Lin Wei**

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h. 12.30 am/1.00 pm

**CLOSING REMARKS**  
**Pier Giuseppe Pelicci**

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h. 1.00 pm - *Sandwiches*

END OF THE WORKSHOP