



2009 EMBO Molecular Medicine Workshop
“Invasive Growth: a Genetic Programme for Stem Cells and Cancer”
September 10th-12th, 2009
Torino – Italy

Thursday September 10th, 2009
Venue: Centro Congressi Torino Incontra

- 14.30-15.50 Registration
- 15.50-16.00 Welcome address
- 16.00-18.30 Session 1 *Identification of stem cells in normal and cancer tissues***
- 16.00-16.40 John Stingl (Cancer Research UK, Cambridge, UK)
Deciphering the mammary epithelial cell hierarchy
- 16.40-17.20 Nicolas Wright (London Research Institute, Cancer Research UK and Barts and the
London School of Medicine, London, UK)
Gastrointestinal stem cells and the development of cancer in the human model
- 17.20-18.00 Ruggero De Maria (Istituto Superiore di Sanità, Rome, Italy)
Identification, characterization and targeting of cancer stem cells from solid tumors
- 18.00-18.15 Christine Chaffer (Whitehead Institute for Biomedical Research, Cambridge, USA)
*Spontaneous generation of stem-like cells from normal and transformed human
mammary epithelial cell*
- 18.15-18.30 Patrick Viatour (Stanford University, Palo Alto, USA)
*Cellular and molecular mechanisms of hepatocellular carcinoma initiation upon the
loss of the retinoblastoma family of genes*
- 19.00 Venue: Aula Magna Rettorato University of Torino
Welcome cocktails

Friday September 11th, 2009
Venue: Centro Congressi Torino Incontra

09.30 – 12.00 Session 2 *Cancer stem cells as a target for tumour therapy*

09.30-10.10 Luigi Naldini (San Raffaele Telethon Institute for Gene Therapy, Milan, Italy)
New effectors and therapeutic targets in the tumor-stroma interaction

10.10-10.50 Justin Lathia (Stem Cell Biology and Regenerative Medicine, Cleveland Clinic, Cleveland, USA)
Making and killing Cancer Stem Cells

Coffee break

11.05-11.45 Catriona Jamieson (Moores UCSD Cancer Center, La Jolla, USA)
Cancer Stem Cell targeting

11.45-12.00 Marc de la Roche (MRC Laboratory of Molecular Biology, Cambridge, UK)
A small molecule inhibitor of the oncogenic Wnt signalling pathway

12.00– 13.00 *Lectio Magistralis (Joint SIAI – EMBO)*

Günter Blobel (Rockefeller University, New York, USA)

The nuclear pore complex as the gate keeper for traffic into and out of the nucleus

Lunch

14.10-15.40 Poster Session I

15.40-18.40 Session 3/I *Cancer/stem cell mobilization and metastasis*

15.40-16.20 Carl Henrik Heldin (Ludwig Institute for Cancer Research, Uppsala, Sweden)
Signaling via receptors for PDGF and TGF-beta: possible targets in tumor therapy

16.20-17.00 Thomas Brabletz (University Medical Center, Freiburg, Germany)
Tumor invasion and metastasis: EMT and cancer stem cells

Coffee break

17.30-18.10 Paolo Comoglio (Institute for Cancer Research and Treatment, University of Turin, Candiolo, Italy)
MET, invasive growth and stem cells

18.10-18.25 Stéphanie Kermorgant (Institute of Cancer, London, UK)
A direct role for c-Met endocytosis in cell migration and tumorigenesis

18.25-18.40 Christina Scheel (Whitehead Institute for Biomedical Research, Cambridge, USA)
Autocrine signaling induced by Epithelial-Mesenchymal Transition in the context of breast cancer

19.30 Venue Palazzo Madama, Torino
Formal Dinner and Palace Guided Tour

Saturday September 12th, 2009
Venue: Centro Congressi Torino Incontra

09.30-11.05 Session 3/II *Cancer/stem cell mobilization and metastasis*

09.30-10.10 Walter Birchmeier (Max Delbrück Centre for Molecular Medicine, Berlin, Germany)
Developmental signalling pathways in cancer stem cells and metastatic cells

10.10-10.50 Christopher Heeschen (Spanish National Cancer Institute–CNIO, Madrid, Spain)
Metastatic pancreatic cancer stem cells - a new target for cancer therapy

10.50-11.05 Francesca Orzan (Istituto Neurologico C. Besta, Milan, Italy)
Enhancer of Zeste 2 is a relevant gene for cancer stem cells and glioma progression

Coffee break

11.30-13.00 Poster Session II

13.00-14.20 Lunch

14.20-18.00 Session 4 *Signalling for stem cell self-renewal*

14.20-15.00 Pier Giuseppe Pelicci (European Institute of Oncology-IEO, Milan, Italy)
Self-renewal of leukaemia stem cells

15.00-15.40 Hannele Ruohola-Baker (University of Washington, Institute for Stem Cells and Regenerative Medicine, Seattle, USA)
miRNA and stem cells

15.40-15.55 Rachel Sarig (Weizmann Institute of Science, Rehovot, Israel)
p53 controls the destiny of differentiation and de-differentiation programs

15.55-16.10 Barbara Stecca (Istituto Toscano Tumori, Florence, Italy)
A GLI1-p53 inhibitory loop controls neural stem cell and tumor cell numbers

Coffee break

16.40-17.20 Freddy Radtke (ISREC, Ecole Polytechnique Fédérale, Lausanne, Switzerland)
Notch signaling in hematopoietic and skin tumors

17.20-18.00 Andreas Trumpp (DKFZ and HI-STEM, Heidelberg, Germany)
Dormancy in stem cells

18.00-19.00 *Keynote Lecture*

Hans Clevers (Hubrecht Laboratory, Utrecht, The Netherlands)
Wnt, Lgr5 stem cells and colon cancer

19.00 Closing remarks