

EMBO Workshop

Stemness: the bright and the dark side
Normal and cancer stem cells

Catanzaro, Italy, September 19-22, 2006

WORKSHOP PROGRAMME

TUESDAY, SEPTEMBER 19:

All day: participants' arrival and registration – Posters display

19:00 welcome reception

20:30 DINNER

WEDNESDAY SEPTEMBER 20:

SESSION I: (Chairs: D. Bonnet – M.A.S. Moore):

8:30-9:00 Giovanni Morrone

(University of Catanzaro Magna Græcia, Catanzaro, Italy)

Normal and malignant stem cells: new avenues, and open questions

9:00-9:40 Maarten van Lohuizen

(The Netherlands Cancer Institute, Amsterdam, the Netherlands)

Targeting cancer stem cells - implications for development of more effective therapies

9:40-10:20 Tsvee Lapidot

(Dept. of Immunology, Weizmann Institute of Science, Rehovot, Israel)

SDF-1/CXCR4 interactions regulate motility and proliferation of normal and leukemic human stem cells in chimeric NOD/SCID mice

10:20-10:50 COFFEE BREAK

10:50-11:30 Dominique Bonnet

(London Research Institute, Lincoln's Inn Fields Laboratories, London, UK)

Normal and leukaemic Stem Cells: What's new?

11:30-12:10 Malcolm A.S. Moore

(Dept. of Cell Biology, Memorial Sloan-Kettering Cancer Center, New York, NY- USA)

NUP98 disruption in hematopoietic malignancies

12:10-12:50 Claus Nerlov

(EMBL Monterotondo - Mouse Biology Unit, Monterotondo, Italy)

C/EBPalpha in development and leukemia

12:50-13:05 Selected poster presentation: J.J. Schuringa (11)

13:05-13:20 Selected poster presentation: D. B. Krimer (8)

13:20-13:35 Selected poster presentation: A. Leutz (10)

13:40-15:00 LUNCH

SESSION II (Chairs: R. Mertelsmann –M. Engelhardt)

15:00-15:40 Tessa L. Holyoake

(Section of Experimental Haematology, University of Glasgow, Glasgow, UK)

Characterisation and attempts to eradicate cancer stem cells in CML

15:40-16:20 Francesco Frassoni

(Centro Cellule Staminali e Terapia Cellulare, Ospedale San Martino, Genova Italy)

Attempts to identify the tumor burden in CML patients during treatment with Imatinib

16:20-16:35 Selected poster presentation: M. Copland (6)

16:35-17:15 Allison Blair

(Bristol Institute for Transfusion Sciences, Bristol, UK)

Origins of childhood acute lymphoblastic leukaemia

17:15-17:30 Selected poster presentation: S. Bruno (41)

17:30-21:00 Poster session – refreshments

21:00 DINNER

THURSDAY SEPTEMBER 21:

SESSION III (Chairs: G. Dontu – G. Ciliberto)

8:30-9:10 **Tariq Enver**

(The Weatherall Institute of Molecular Medicine, Oxford, UK)

Transcriptional programming in normal and leukaemic stem and progenitor cells

9:10-9:50 **Sean J. Morrison**

(University of Michigan for Stem Cell Biology, Ann Arbor, MI - USA)

Stem cell self-renewal, cancer cell proliferation, and aging

9:50-10:10 Selected presentation: A. Matheu (1)

10:10-10:40 *COFFEE BREAK*

10:40-11:20 **Robert B. Clarke**

(University of Manchester - Christie Hospital, Manchester, UK)

Characterisation of human breast stem cells

11:20-12:00 **Gabriela Dontu**

(Comprehensive Cancer Center, University of Michigan, Ann Arbor, MI – USA)

Targeting cancer stem cells - implications for development of more effective therapies

12:00-12:40 **Salvatore Pece**

(European Institute of Oncology, Milan, Italy)

Molecular portraiting of normal human mammary stem cells

12:40-12:55 Selected poster presentation: G. Molyneux (16)

12:55-13:10 Selected poster presentation: M. Bonafe (14)

13:10-13:25 Selected poster presentation: B. Simoes (15)

13:25-13:40 Selected poster presentation: M. Cioce (22)

13:45-15:15 *LUNCH*

SESSION IV (Chairs: G. Morrone – M. van Louhizen)

15:20-16:00 **Anna M. Kenney**

(Cancer Biology and Genetics, Memorial Sloan-Kettering Cancer Center, New York, NY- USA)

Mediators of Sonic hedgehog-regulated proliferation in brain development and cancer

16:00-16:40 **Peter Dirks**

(The Hospital for Sick Children, Toronto, ON -Canada)

Characterization of human brain tumour initiating cells

16:40-16:55 Selected poster presentation: L. Ricci-Vitiani (23)

16:55-17:10 Selected poster presentation: M. R. Sprick (24)

17:10-17:50 **Norman J. Maitland**

(Department of Biology, University of York, York, UK)

Stem cells from prostate cancer: a new paradigm for cancer therapy

17:50-18:05 Selected poster presentation: I. Bisson (26)

18:05-18:20 Selected poster presentation: M. C. W. Voller (28)

18:20-18:35 Selected poster presentation: J. Hansson (27)

20:00 *BANQUET*

FRIDAY SEPTEMBER 22:

(Main lecture hall of the Law School, UMG Campus, Germaneto)

SESSION V (Chairs: R. De Maria – G. Viglietto)

9:00-9:40 **Rohit Lal**

(London Research Institute, Lincoln's Inn Fields Laboratories, London, UK)

Epidermal/stromal interactions in tumorigenesis

9:40-9:55 Selected poster presentation: M. Mancuso (31)

9:55-10:35 **Hans Clevers**

(Hubrecht Institute, Utrecht, the Netherlands)

Wnt and Notch cooperate to maintain proliferative compartments in crypts and intestinal neoplasia

10:35-11:15 **Ruggero De Maria**

(Istituto Superiore di Sanità, Rome, Italy)

Isolation, characterisation and expansion of colon cancer stem cells

11:15-11:55 **Timothy C Wang**

(Dept. of Medicine, Columbia University Medical Center, New York, NY – USA)

Gastric cancer can originate from bone marrow derived cells

11:55-12:10 Selected poster presentation: G. Stassi (34)

12:10-12:25 Selected poster presentation: M. L. Martelli (36)

12:25-12:40 Selected poster presentation: M. M. van Duist (44)

12:40-13:10 Wrap-up

13:10-14:30 **LUNCH – END OF WORKSHOP**