

**XVI Pezcoller Symposium, Trento, Italy
June 10-12, 2004**

STEM CELLS AND EPIGENESIS IN CANCER

Co-Chairmen: Rudolf Jaenisch, Genevieve Almouzni, Enrico Mihich
Program Committee: David Livingston, Frank Rauscher, Bruno Amati, Alex Matter, Marco Pierotti

June 10

8:00 Registration

9:00 Pezcoller Foundation Officers & Enrico Mihich Welcome

AM, Session I, Stem Cells: Basic biology

Session Leader: Austin Smith

9:15 George Daley Stem cells in regenerative medicine and reproductive biology
9:45 Discussion
10:15 Coffee Break
10:45 Gordon Keller Induction of mesoderm and endoderm from embryonic
11:15 Discussion stem (ES) cells
11:45 Austin Smith Stem cell self-renewal
12:15 Discussion
12:45 Lunch

PM, Session II, Stem Cells and Cancer

Session Leader: John Dick

14:00 Michael Clarke Self renewal in cancer
14:30 Discussion
15:00 Luis Parada Mouse models of glioblastoma: cellular origins
15:30 Discussion
16:00 Coffee Break
16:30 John Dick Where do human leukemic stem cells come from?
17:00 Discussion
17:30 Adjourn

June 11

AM, Session III, Epigenetics Control of Gene Expression

Session Leader: Frank Rauscher

8:30 Maarten van Lohuizen Polycomb repressors controlling stem cells fate:
9:00 Discussion implications for cancer and development

9:30	Wolf Reik	Imprinting and epigenetic reprogramming in mammalian development
10:00	Discussion	
10:30	Coffee Break	
11:00	Genevieve Almouzni	Propagation of epigenetic states at the level of chromatin assembly
11:30	Discussion	
12:00	Frank Rauscher	Micro-domains of HP1-mediated gene silencing in Euchromatin:: Mechanisms for establishing, maintaining and ensuring heritability
12:30	Discussion	
13:00	Poster Session & Lunch	

PM, Session IV, Methylation and Cancer

Session Leader: Stephen Baylin

14:30	Rudolf Jaenisch	Nuclear cloning, stem cells and the reversibility of cancer
15:00	Discussion	
15:30	Coffee Break	
16:00	Manel Esteller	Cancer as an epigenetic disease: the disruption of DNA methylation and histone codes
16:30	Discussion	
17:00	Stephen Baylin	The dual role of DNA methylation and histone modifications in aberrant gene silencing in cancer
17:30	Discussion	
18:00	Adjourn	

June 12

AM, Session V, Therapeutic Strategies

Session Leader: Peter Jones

8:15-9:00 Best Posters' Communications

9:00	Jean-Pierre Issa	Epigenetic therapy—back to the bench
9:30	Discussion	
10:00	Coffee Break	
10:30	Paul Marks	Histone deacetylase inhibitors from molecular studies on mechanisms to clinical trials
11:00	Discussion	
11:30	Peter Jones	Switching genes on and keeping them on
12:00	Discussion	
12:30	David Livingston	Concluding Remarks
13:00	Lunch	
14:00	Adjourn	