

The Pezcoller Foundation Symposia

GENOMIC INSTABILITY AND IMMORTALITY IN CANCER

Trento (ITALY), Palazzo Geremia

June, 17 - 19, 1996

Focus and Goals of this Symposium

This symposium is the eighth in a series of annual symposia held on alternative years in Trento and Rovereto under the sponsorship of the Pezcoller Foundation.

The Symposium will focus on the subject of "Genomic Instability and Immortality in Cancer". Much progress is being made towards the clarification of the mechanisms of genetic instability, a characteristic of neoplastic cells which also determines tumor progression. Immortality consequent to the lack of susceptibility to mechanisms of maturation, senescence and/or apoptosis is another pivotal characteristic of the neoplastic cell. The phenomena and the mechanism determining these characteristics will represent the main focus of the Symposium. Mutational lability, changes in DNA repair capabilities, gene recombination processes, cell cycle check points and apoptosis, the significance of telomerases in cell immortalization and senescence, the clinical relevance and exploitation of the phenomena considered are topics to be discussed towards a clarification of mechanisms involved and of the extent to which some of these phenomena are causatively interrelated.

Traditionally, the Symposium attendance will be limited to a maximum of 100 persons; equal time will be allotted to the reports and to the discussion thus favoring the establishment of cross-stimulating scientific interaction at the cutting edge of knowledge in the areas considered.

Program

Eighth Pezcoller Symposium Genomic Instability and Immortality in Cancer June 17 - 19, 1996; Trento, Italy

Chair: E. Mihich, Co-Chairs: C. Greider & L. Hartwell

Program Committee: Drs. E. Mihich, C. Greider, L. Hartwell,
G. Anderson, M. Bignami, D. Livingston

June 17

8:30 **Registration**

9:00 **A. Sordo**, President of Pezcoller Foundation **Welcome**
G. Pegoretti, Honorary President of Pezcoller Foundation
L. Dellai, Mayor of Trento

9:15 **E. Mihich** **Introductory Remarks**

AM, Session I, Mutational Lability

Co-Chairmen: W. Burhans and G. Stark

9:30 **M. Gatti** **Telomeres and cell division in *Drosophila***
10:00 Discussion
10:30 Coffee Break

10:45	J. Gray	Genomic instability and solid tumor progression: A molecular cytogenetic view
11:15	Discussion	
11:45	G. Wahl	Cell cycle control of genetic stability
12:15	Discussion	
12:45	Lunch	

PM, Session II, Recombination and Repair

Co-Chairmen: M. Bignami and D. Bootsma

14:00	R. Kolodner	Mismatch repair and cancer susceptibility
14:30	Discussion	
15:00	M. Radman	The role of sequence polymorphism, mismatch repair and apoptosis in genomic stability and cancer avoidance
15:30	Discussion	
16:00	Coffee Break	
16:15	J. H. Hoeijmakers	Recombining DNA damage repair, basal transcription and human syndromes
16:45	Discussion	
17:15	Adjourn	
Evening: Social Event		

June 18

AM, Session III, Telomerase and Immortalization, Senescence

Co-Chairmen: S. Bacchetti and J. Shay

8:30	V. Schulz	<i>De novo</i> telomere formation in yeast
9:00	Discussion	
9:30	Coffee Break	
10:00	M. McEachern	Consequences of altered telomeres in yeast
10:30	Discussion	
11:00	H. Cooke	Recombination in mammalian telomeres
11:30	Discussion	
12:00	Lunch	

PM, Session IV, Cell Cycle Checkpoint and Apoptosis

Co-Chairmen: R. Bernards and J-M. Egly

13:00	L. Hartwell	Genomic instability, cell cycle control and cancer
13:30	Discussion	
14:00	K. Nasmyth	Proteolysis and the cell cycle

14:30 Discussion
15:00 Coffee Break

15:30 **G. Evan** **The integrated control of cell proliferation and cell viability**
16:00 Discussion

16:30 Adjourn

June 19

AM, Session V, Clinical Potentialities and Integration

Co-Chairmen: W. Krek and C. Croce

8:30 **B. Reid** **Barrett's esophagus: The cell cycle and genomic instability in neoplastic progression**
9:00 Discussion

9:30 **D. Livingston** **The RB gene product and its targets**
10:00 Discussion

10:30 Coffee Break

11:00 **G.F. Draetta** **Anomalies of cell cycle controls in human cancer**
11:30 Discussion

12:00 **R. Klausner** **Synopsis and Projections**

12:30 Lunch 14:30 Touristic Event 19:00 Dinner 21:00 Adjourn