

10th Pezcoller Symposium

Tenth Pezcoller Symposium The Genetics of Cancer Susceptibility June 29-July 1, 1998; Trento, Italy

Co-chairs:

R. Klausner, E. Mihich and L. Strong

Program Committee:

Drs. R. Klausner, E. Mihich, L. Strong, P. Aplan, R. Dalla Favera,
D. Livingston, M. Pierotti, B. Ponder

The tenth Pezcoller Symposium will be held in Trento, Italy, from June 29 to July 1, 1998. It is entitled, "The Genetics of Cancer Susceptibility" and it will include major emphasis on issues of penetrance and expressivity, and on the genetic modifiers of cancer susceptibility. Increasing knowledge is being acquired on the fundamental role of genetic functions in determining the development and then the progression of cancer. This knowledge leads to a better understanding of the biology of neoplasia and provides opportunities for the assessment of risk factors, for early diagnosis, for a prediction of response to treatments, and for a prognostic evaluation of cancer progression in individual patients. The multidisciplinary discussions to be held at this Symposium are expected to clarify issues pertinent to the opportunities mentioned above.

In recognition that Roswell Park Cancer Institute, the first cancer research center in the world, is 100 years old in 1998, this Symposium is dedicated to this anniversary celebration.

Program:

June 29

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| 8:00 | <i>Registration</i> | |
| 8:30 | Enrico Mihich: | <i>Pezcoller Foundation Officers Welcome & Introductory Remarks</i> |
| 8:50 | Richard Klausner | <i>Focus & Goals</i> |

AM, Session I, Genes and Genetic Pathways

Co-Chairmen: Paul Nurse and Sidney Brenner

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| 9:10 | Ed Harlow | <i>Functional studies of the retinoblastoma protein</i> |
| 9:40 | <i>Discussion</i> | |
| 10:10 | <i>Coffee Break</i> | |
| 10:30 | Carol Prives | <i>Signaling to P53 by covalent and non-covalent modifiers</i> |
| 11:00 | <i>Discussion</i> | |
| 11:30 | Jean Wang | <i>DNA damage signaling</i> |
| 12:00 | <i>Discussion</i> | |

12:30 *Lunch*

PM, Session II, Animal Models

Co-Chairmen: Peter Aplan and Tommaso Dragani

13:30 Ronald De Pinho *Cancer and development in the telomerase RNA knockout mouse*
14:00 *Discussion*

14:30 Peter Demant *Genetic dissection of cancer susceptibility in the mouse*
15:00 *Discussion*

15:30 *Coffee Break*

16:00 Douglas Hanahan *Genomics of islet carcinogenesis in transgenic mice*
16:30 *Discussion*

17:00 Terry Van Dyke *P53 tumor suppression mechanisms*
17:30 *Discussion*

18:00 *Adjourn*

June 30

AM, Session III, Penetrance versus Expressivity

Co-Chairmen: Albert de la Chapelle and Marco Pierotti

8:30 Allan Balmain *Genetic basis of tumour predisposition and progression in mice*
9:00 *Discussion*

9:30 Bruce Ponder *Ret mutations and associated developmental and cancer syndromes*
10:00 *Discussion*

10:30 *Coffee Break*

11:00 William Dove *The intestinal epithelium and its neoplasms: genetic, cellular and tissue interactions*
11:30 *Discussion*

12:00 *Posters*

13:00 *Lunch*

PM, Session IV, Mutator Phenotype

Co-Chairmen: Lucio Luzzatto and Marcello Siniscalco

14:00 Richard Kolodner *Genome instability, mutator genes and cancer susceptibility*
14:30 *Discussion*

15:00 Raju Kucherlapati *Multiple roles of colorectal cancer genes*
15:30 *Discussion*
16:00 *Coffee Break*
16:30 Thea Dorothy Tlsty *Loss of genomic integrity in preneoplastic cells*
17:00 *Discussion*
17:30 *Adjourn*

July 1

AM, Session V, Population Studies

Co-Chairmen: David Goldgar and Douglas Easton

8:30 Louise Strong *Cancer risk in Li Fraumeni syndrome: A model for hereditary cancer susceptibility*
9:00 *Discussion*
9:30 Joseph Fraumeni, Jr. *Gene - environment interactions in cancer etiology*
10:00 *Discussion*
10:30 *Coffee Break*
11:00 Aravinda Chakravarti *The nature of genetic variation underlying complex human diseases*
11:30 *Discussion*
12:00 *Lunch*
13:00 *Adjourn*