Concepts and Molecular Mechanisms of Multistage Carcinogenesis
First Joint Conference of the American Association for Cancer Research
and the European Association for Cancer Research
immediately following EACR-XI in Genoa

Additional Support from the Istituto Nazionale per la Ricerca sul Cancro

Grand Hotel Miramare, Santa Margherita, Italy
November 6-9, 1991

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SCIENTIFIC PROGRAM

Welcoming Remarks
LEONARDO SANTI / Genoa, Italy

Opening Address
PETER BANASCH / Heidelberg, Germany

Epidemiological and Experimental Evidence for the Multistage Process
HENRY C. PITOT / Madison, USA
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DNA Replication, Damage, and Repair
MARCEL ROBERFROID / Brussels, Belgium
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PHILIP C. HANAWALT / Stanford, USA
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Multiple Genetic Changes during Tumor Development
LANCE A. LIOTTA / Bethesda, USA
JAN SVOBODA / Prague, Czechoslovakia
ALLAN BALMAIN / Glasgow, Scotland
ANTON BERNS / Amsterdam, The Netherlands
TERRY H. RABBITS / Cambridge, England
WEBSTER K. CAVENE / Montreal, Canada

Genetic Aspects of Tumor Suppression
GEORGE KLEIN / Stockholm, Sweden
ERIC J. STANBRIDGE / Irvine, USA
MARY WEISS / Paris, France
DAVID P. LANE / Herts, England
NICHOLAS HASTIE / Edinburgh, Scotland
EDWARD HARLOW / Charlottesville, USA

Growth Factors and Signal Transduction
HAROLD L. MOSES / Nashville, USA
GIUSEPPE DELLA PORTA / Milan, Italy
CHRISTOPHER J. MARSHALL / London, England
CARL-HENRIK HELDIN / Uppsala, Sweden
RIK DERYNCK / South San Francisco, USA

Overview and Future Directions
I. BERNARD WEINSTEIN / New York, USA

APPLICATION FORMS
(North and South America)
American Association for Cancer Research
Public Ledger Building
620 Chestnut Street, Suite 816
Philadelphia, PA 19106, USA
215-440-9300 215-440-9313 (FAX)

(Outside the Americas)
Italana Congressi
Via Benss 2
16124 Genoa, ITALY
10-202541 10-299382 (FAX)

The AACR and EACR invite the international community of cancer researchers to submit applications for this exciting conference by August 15, 1991.

Abstracts for consideration for poster presentation also due by August 15, 1991.

A limited number of travel grants for graduate and medical students, postdoctoral fellows, and physicians in training will be available.
As increasing attention is being drawn to a possible role of natural food toxicants in human carcinogenesis [Ames, Science (Washington DC) 236: 271, 1987], it is fitting to pay tribute to an early propounder of this view. Regina Schoental played a key role in the recognition of carcinogenic action of the polycyclic aromatic hydrocarbons and synthesized several such metabolites at the Department of Chemistry, University of Glasgow, in collaboration with J. W. Cook, F.R.S., in the 1940s. In a long career spanning a half century, she has, in over 275 papers, contributed a wealth of data on a host of natural carcinogens and, in more recent years, provided many speculative ideas which open to cancer researchers original conceptions to ponder on the extent of natural carcinogens and toxicants in human health.

Regina Schoental came from a prosperous and respected Jewish banking family in Poland. She was in England when World War II wiped out most of her family. At the time, she worked with Isaac Berenblum, a father of chemical carcinogenesis, and several of their papers on the metabolism of 3,4-benzo(a)pyrene were published in this journal (Cancer Res., 6: 699–706, 1946; 7: 390–392, 1947). She published a warning on tobacco as early as 1951 (Lancet, 261: 642, 1951).

She is perhaps best known for her work on the toxic pyrrolizidine (Senacio) alkaloids and on the fusarial mycotoxins, for which she claims great significance in human pathology (Adv. Cancer Res., 45: 217–290, 1985). Much of her work has been devoted to zearalenone, the trichothecenes, and other carcinogenic metabolites of Fusarium and other microfungi. She has made a convincing case that catastrophic incidences of human devastation could be due to widespread exposure to climatic conditions, such as may follow very strong volcanic eruptions and earthquakes. In a series of similar speculative but thought-provoking papers, she has attributed to estrogenic mycotoxins the development of cancers of some sex-related organs (ACS Monogr., 182: 1137–1169, 1984) and of behavioral disorders (Br. J. Psychiat., 146: 115–119, 1985). More recently, she attributed to N-nitroso compounds, formed endogenously from semen constituents by the action of the oral and anorectal microflora, the activation of human immunodeficiency virus and the development of acquired immunodeficiency syndrome-related cancers (Intern. Environ. Studies, 31: 269–278, 1988). She suggests that certain biblical injunctions may have had their origin in widespread toxic food contamination (J. R. Soc. Med., 81: 58, 1988; Microbiologie-Aliments-Nutrition, 6: 109–118, 1988).

Since her retirement from the MRC Toxicology Unit, Carshalton, Surrey, England, Dr. Schoental has been attached to the Department of Veterinary Pathology, Royal Veterinary College, University of London. We are indebted to her for information and the photograph.

Sidney Weinhouse