

June 1, 1991



# Cancer Research

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50  
Years of Publication

AACR SPECIAL CONFERENCE IN CANCER RESEARCH

# Negative Controls on Cell Growth and Their Breakdown during the Pathogenesis of Cancer

October 20-24, 1991  
Chatham Bars Inn, Chatham (Cape Cod), Massachusetts

## CONFERENCE CHAIRPERSON

**Robert A. Weinberg** / Cambridge, MA

## PROGRAM COMMITTEE

**David M. Livingston** / Boston, MA

**Arnold J. Levine** / Princeton, NJ

**Eric J. Stanbridge** / Irvine, CA

## SCIENTIFIC PROGRAM

### Keynote Address

**Alfred G. Knudson, Jr.** / Philadelphia, PA

### Senescence and Programmed Cell Death

**Gretchen H. Stein** / Boulder, CO

**Olivia M. Pereira-Smith** / Houston, TX

**Michael O. Hengartner** / Cambridge, MA

**Andrew H. Wyllie** / Edinburgh, Scotland

### Extracellular Space and Negative Regulation of Growth

**Erkki Ruoslahti** / La Jolla, CA

**Noel P. Bouck** / Chicago, IL

**Judah Folkman** / Boston, MA

Additional Speaker to be Announced

### Regulators of Senescence and Differentiation

**Andrew B. Lassar** / Boston, MA

**Hartmut Beug** / Vienna, Austria

**William Sugden** / Madison, WI

**Stanley J. Korsmeyer** / St. Louis, MO

### Regulation of the Cell Cycle

**Ira Herskowitz** / San Francisco, CA

**David H. Beach** / Cold Spring Harbor, NY

**Edward Harlow** / Charlestown, MA

**Steven I. Reed** / La Jolla, CA

### Negative Regulators in Human Cancer

**Frank P. McCormick** / Emeryville, CA

**David E. Huscman** / Cambridge, MA

**Arnold J. Levine** / Princeton, NJ

**Kenneth W. Kinzler** / Baltimore, MD

### Transcription and Growth Regulation

**Robert N. Eisenman** / Seattle, WA

**David M. Livingston** / Boston, MA

**Harold L. Moses** / Nashville, TN

**Ronald M. Evans** / San Diego, CA

### Looking for New Tumor Suppressor Genes

**Eric J. Stanbridge** / Irvine, CA

**Webster K. Cavenee** / Montreal, Canada

**Bernd R. Seizinger** / Boston, MA

**John D. Minna** / Bethesda, MD

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### Information and Application Forms

American Association for Cancer Research  
Public Ledger Building, Suite 816  
Sixth and Chestnut Streets  
Philadelphia, PA 19106

215-440-9300    215-440-9313 (FAX)

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**Application Deadline: July 1, 1991**

# 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

## SCIENTIFIC PROGRAM COMMITTEE

### AACR

**I. BERNARD WEINSTEIN** / New York, USA (Co-Chairperson)  
**ARTHUR P. GROLLMAN** / Stony Brook, USA  
**HAROLD L. MOSES** / Nashville, USA

### EACR

**PETER BANNASCH** / Heidelberg, Germany (Co-Chairperson)  
**ALLAN BALMAIN** / Glasgow, Scotland  
**JAN SVOBODA** / Prague, Czechoslovakia

## LOCAL ORGANIZING COMMITTEE

**LEONARDO SANTI** / Genoa, Italy (Chairperson)

**MARIA COLNAGHI** / Milan, Italy

**MARGARET FOTI** / Philadelphia, USA

**CLAUDIO LOMBARDO** / Genoa, Italy

**MARCEL ROBERFROID** / Brussels, Belgium

## SCIENTIFIC PROGRAM

### Welcoming Remarks

**LEONARDO SANTI** / Genoa, Italy

### Opening Address

**PETER BANNASCH** / Heidelberg, Germany

### Epidemiological and Experimental Evidence for the Multistage Process

**HENRY C. PITOT** / Madison, USA

**ERICH HECKER** / Heidelberg, Germany

**FRANCO MERLETTI** / Turin, Italy

**FRIEDRICH MARKS** / Heidelberg, Germany

**FRANCIS V. CHISARI** / La Jolla, USA

### DNA Replication, Damage, and Repair

**MARCEL ROBERFROID** / Brussels, Belgium

**DEZIDER GRUNBERGER** / New York, USA

**HARTMUT M. RABES** / Munich, Germany

**ARTHUR P. GROLLMAN** / Stony Brook, USA

**PHILIP C. HANAWALT** / Stanford, USA

**TOMAS LINDAHL** / Herts, England

**SARASWATI SUKUMAR** / San Diego, USA

### 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. CAVENEE** / 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** / Charlestown, 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, Suite 816

Sixth and Chestnut Streets

Philadelphia, PA 19106, USA

215-440-9300

215-440-9313 (FAX)

### (Outside the Americas)

Italiana Congressi

Via Bensa 2

16124 Genoa, ITALY

10-202541

10-299382 (FAX)



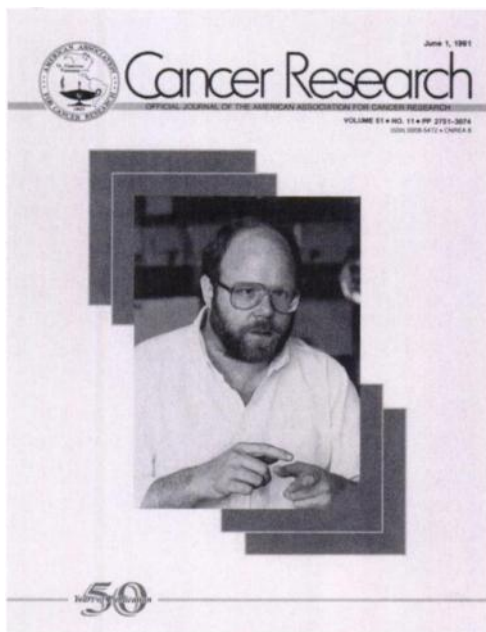
*The AACR and EACR invite the international  
community of cancer researchers to submit  
applications for this exciting conference  
by August 15, 1991.*

**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.**

# COVER LEGEND

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The recipient of the 1991 Bristol-Myers Squibb Award for Distinguished Achievement in Cancer Research is Edward E. Harlow, Jr., Ph.D., Professor of Genetics at Harvard University and Director of the Laboratory of Molecular Oncology at the Massachusetts General Hospital Cancer Center. The award recognizes his revolutionary discovery that the neoplastic transformation as well as other processes of cell growth are regulated by the interaction between protein products of viral oncogenes and cellular tumor

suppressor genes. This finding has resulted in an enormous simplification and unification of what were formerly considered to be independent pathways of oncogenesis. It provides a new focus for understanding this process.

Dr. Harlow's group showed that a protein derived from an oncogenic virus, by linkage with a suppressor gene protein, can inactivate the suppressor gene and thereby enhance the oncogenic action of the virus. He found that the adenovirus E1A can attach to various cellular proteins, including a gene product of the retinoblastoma (*RB*) gene, to inactivate cell growth. Further work by Harlow's group and others has now extended this concept to show that the E1A protein of the adenovirus as well as other viral oncogene proteins can interact with a number of cell proteins to influence several steps in the cell cycle. In his words, taken from the award citation: "This work shows that tumor viruses, tumor suppressor genes, and cell cycle control are connected in a very simple way. It is just a protein-to-protein interaction and that's how we detected it." This brilliant leap in our understanding of oncogenesis has provided a new focus for research.

Edward Harlow received his B.S. and M.S. from the University of Oklahoma and his Ph.D. at the Imperial Cancer Research Fund in London. He joined the Cold Spring Harbor Laboratory in 1982 and moved to Massachusetts General Hospital Cancer Center in October 1990. We are indebted to Bristol-Myers Squibb for supplying information and photographs for this legend.

Sidney Weinhouse