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. Huaasman / 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

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)

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

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LEONARDO SANTI / Genoa, Italy (Chairperson)
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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

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 Benss 2
16124 Genoa, ITALY
10-202541 10-299382 (FAX)

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 BERN'S / Amsterdam, The Netherlands
TERRY H. RABBITTS / 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 / Charlestown, USA

Growth Factors and Signal
Transduction
LEONARDO SANTI / Genoa, Italy

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

The AACR and EACR invite the international
community of cancer researchers to submit
applications for this exciting conference

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.
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