



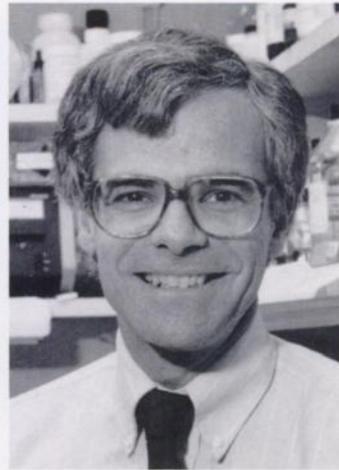
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Cancer Research

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83rd Annual Meeting of the American Association for Cancer Research

May 20-23, 1992
San Diego, CA

- Program Committee Chairperson
WEBSTER K. CAVENEE, San Diego, CA
- Topics and Chairpersons of Major Scientific Events

"Chemoprevention of Cancer"
MICHAEL B. SPORN / Bethesda, MD

"Innovative Tumor Immunology"
TAK W. MAK / Toronto, Ontario, Canada

"Molecular Approaches to Diagnosis and Patient Evaluation"
MARK A. ISRAEL / San Francisco, CA

"p53 Tumor Suppressor Gene"
CURTIS C. HARRIS / Bethesda, MD

"Gene Expression and Chromatin Structure"
WILLIAM T. GARRARD / Dallas, TX

"Genomic Instability and Cancer"
THEA D. TLSTY / Chapel Hill, NC

"Hereditary Predisposition to Cancer"
FREDERICK P. LI / Boston, MA

"HIV-Associated Malignancies"
FLOSSIE WONG-STAAAL / La Jolla, CA

"Cytokines/Receptors"
JOHN MENDELSON / New York, NY

"The Role of Cell Adhesion in Invasion and Metastasis"
ERKKI RUOSLAHTI / La Jolla, CA

"Cell Cycle Control"
DAVID BEACH / Cold Spring Harbor, NY

"Molecular Carcinogenesis"
SARASWATI SUKUMAR / La Jolla, CA

"Drug Design/Discovery"
DANIEL D. VON HOFF / San Antonio, TX

"Breast Cancer"
DENNIS J. SLAMON / Los Angeles, CA

"Receptor Signalling/Transduction"
JOSEPH SCHLESSINGER / New York, NY

"Molecular Genetics of Cancer"
ERIC J. STANBRIDGE / Irvine, CA

"Programmed Cell Death (Apoptosis) in the Etiology and Therapy of Cancer"
JOHN T. ISAACS / Baltimore, MD

"Novel Chemotherapy"
JUDAH M. FOLKMAN / Boston, MA

- Special Lectures | Presidential Address: **HAROLD L. MOSES**, Nashville, TN
Five Additional Award Lectures

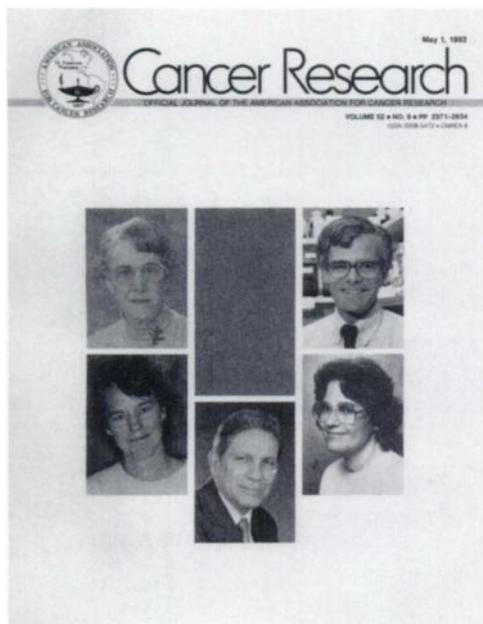
- Sessions of Proffered Papers
Minisymposia, poster discussion sessions, and regular poster sessions will be organized from submitted papers in all areas of cancer research.
- Information, Registration Forms, and Membership Application Forms available immediately upon request from



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Philadelphia, PA 19106-3483
Telephone: 215-440-9300 • FAX: 215-440-9313

- Information also available on AACR Special Conferences in Cancer Research, the Association's series of smaller meetings focused on rapidly developing areas of molecular biology and cancer research.
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COVER LEGEND



Featured on this issue's cover are the recipients of the annual awards of the Association, which will be presented during the AACR annual meeting May 20–23, 1992. Dr. June L. Biedler, Head of the Laboratory of Cellular and Biochemical Genetics at the Memorial Sloan-Kettering Cancer Center, New York, NY, will receive the Thirty-second G. H. A. Clowes Memorial Award. Eli Lilly and Company has supported this award since 1961. It honors G. H. A. Clowes, a founding member of the Association and a Research Director at Eli Lilly. Dr. Biedler is being recognized as a leader in the elucidation of the mechanisms by which mammalian cells develop resistance to cancer chemotherapeutic agents. This work has revolutionized the design and development of these agents and has resulted in new approaches to patient treatment. In addition, she has made fundamental observations in tumor biology by establishing in culture and characterizing a series of human neuroblastoma cell lines. The drug-resistant rodent cell lines and human neuroblastoma cell lines that she has carefully analyzed have been and will continue to be extremely valuable in our understanding of malignant transformation, conversion from the transformed to the normal phenotype, and the contributions of specific cellular oncogenes and tumor suppressor genes to these processes.

The recipient of the Sixteenth Richard and Hinda Rosenthal Foundation Award is Michael M. Gottesman, Chief of the Laboratory of Cell Biology at the National Cancer Institute and Clinical Associate Professor in the Department of Medicine of the Georgetown University School of Medicine. The Foundation has sponsored this award since 1977. The 1992 Awards Committee wishes to honor Dr. Gottesman for his central role in elucidating the molecular mechanisms underlying the multidrug resistance phenotype, the single most important mechanism of drug resistance to be identified in the last decade. Dr. Gottesman's discovery of the *MDR1* gene and his outstanding work in defining the role of the *MDR1* gene in mediating the multiple drug resistance phenotype distinguish him as a major contributor and a leader in the field. Dr. Gottesman's current research seeks to understand the mechanism of action of the multidrug

transporter, using *MDR1* transgenic mice to develop clinically useful inhibitors and analyzing other resistance mechanisms to important anticancer agents.

The Thirteenth Rhoads Memorial Award is given to Elizabeth J. Robertson, Assistant Professor in the Department of Genetics and Development, Columbia University, New York, NY. In 1980 an anonymous donor established this award to honor Cornelius P. Rhoads, a founder of and the first director of the Sloan-Kettering Institute for Cancer Research. Dr. Robertson is being honored for her significant contributions to our understanding of early mammalian development and to several advances in the laboratory techniques now used in molecular biology and genetics. While still a postdoctoral fellow at the University of Cambridge, Dr. Robertson developed the techniques for establishment of embryonic stem (ES) cells from cultured embryos. She also showed that ES cell lines could reproducibly colonize the germ line of chimeric animals, a discovery which suggested a novel technology for germ line manipulation of the mouse. Her further work in this area produced an animal model system for studying Lesch-Nyhan disease. After her appointment at Columbia, Dr. Robertson was the first to publish a report of homologous recombination protocols to transfer mutations into the germ line of laboratory mice. She used targeted gene disruption to demonstrate the embryonic role of the murine *IGF-II* gene and went on to show that this locus is subject to parental imprinting. This is the first endogenous mammalian gene with this characteristic to be identified.

Susan Band Horwitz, Falkenstein Professor of Cancer Research as well as Professor and Co-Chair of the Department of Molecular Pharmacology at Albert Einstein College of Medicine, New York, NY, will receive the Eleventh Cain Memorial Award. The Warner-Lambert Company established this award in 1982 to honor Bruce F. Cain. For many years Dr. Horwitz has been a leading investigator in the preclinical pharmacology of anticancer agents. She pioneered studies on the preclinical pharmacology of taxol, which is one of the most promising anticancer drugs currently under investigation. She and her colleagues have also made significant contributions to the development of camptothecin, the epidophyllotoxins, and bleomycin. Her recent studies on the regulation of the expression of the multidrug resistance gene have fundamentally advanced our understanding of the mechanisms of multidrug resistance in tumor cells.

The Association is very pleased that the American Cancer Society has agreed to support an award for excellence in cancer epidemiology and prevention. Pelayo Correa, Professor of Pathology at the Louisiana State University Medical Center, will receive the First American Cancer Society Award. The Association's Awards Committee wants to recognize Dr. Correa for his many contributions to our understanding of the etiology of human cancer. His work has fruitfully combined the techniques of epidemiology and pathology. In 1975 Dr. Correa and his colleagues proposed a model for the etiology of human gastric carcinogenesis that continues to be accepted today and that has stimulated a great deal of interdisciplinary research in many countries of the world.

Pictured are: *upper left*, June L. Biedler; *upper right*, Michael M. Gottesman; *lower left*, Elizabeth J. Robertson; *lower center*, Pelayo Correa; and *lower right*, Susan Band Horwitz. Photographs were kindly supplied by the awardees. Biographical materials were supplied by the awardees, their nominators, and the 1991–92 AACR Awards Committee.