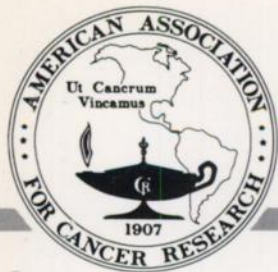


April 1, 1990

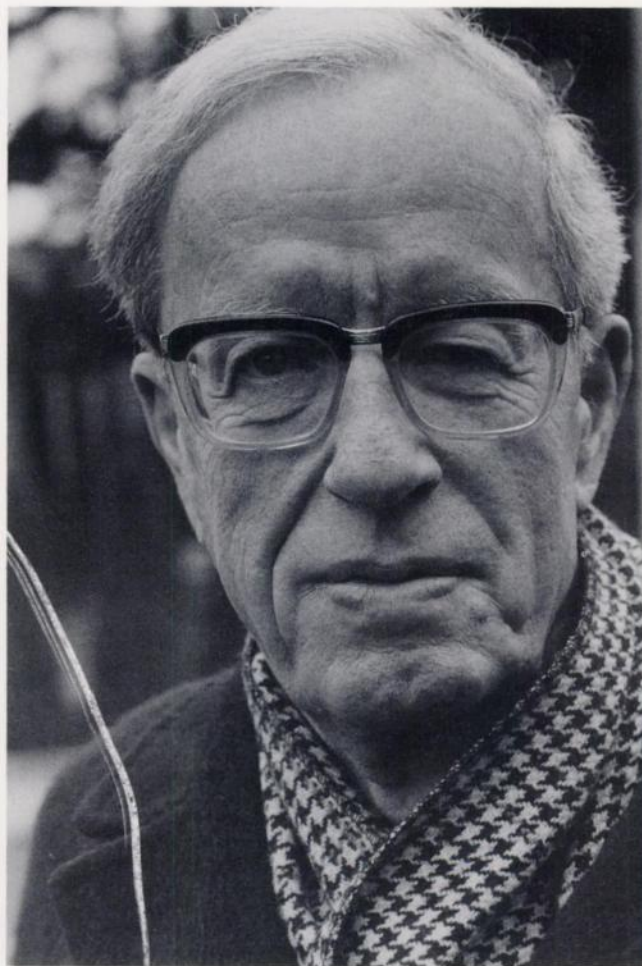


# Cancer Research

OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH

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**ETTORE MAJORANA CENTRE FOR SCIENTIFIC CULTURE**  
**INTERNATIONAL SCHOOL OF PURE AND APPLIED BIOSTRUCTURE**  
**11th Course: "MOLECULAR BASIS OF HUMAN CANCER"**

A NATO Advanced Study Institute

ERICE, SICILY: MAY 21–JUNE 1, 1990

Sponsored by the C.I.R.E.F., Italian Ministry of Education, Italian Institute of Health, Italian Ministry of University and Scientific Research, National Science Foundation, USA, Sicilian Regional Government, and Tecno-biochip

**PROGRAM AND LECTURERS**

H. BAUBER, Freiburg, FRG  
G. STEIN, Massachusetts University, USA  
*Nuclear Matrix*  
*Cell Membrane and Cytoskeleton*

S. AARONSON, National Cancer Institute, USA  
R. ERIKSON, Harvard University, USA  
Y. SCHLESSINGER, Rorer Laboratories, USA  
*Signal Transduction*  
*Growth Factors*  
*Growth Factor Receptors*  
*Hormone Receptors*  
*Protein Phosphorylation and Kinase*

C. M. CROCE, Fels Research Institute, USA  
W. CAVENEE, Ludwig Institute for Cancer Research, CAN  
B. VOGELSTEIN, Johns Hopkins School of Medicine, USA  
R. WEINBERG, Whitehead Institute, MIT, USA  
H. ZUR HAUSEN, German Cancer Institute, FRG  
*Genes Involved in Human Cancer*  
*Dominant and Recessive*

M. BARBACID, Squibb Institute, USA  
T. GRAF, EMBO Laboratories, FRG  
G. VANDE WOUDE, Frederick Cancer Center, USA  
*Oncogenes and Cell Differentiation and Development*

C. NICOLINI, University of Genoa, Italy  
E. M. BRADBURY, University of California, USA  
N. RINGERTZ, Karolinska Institute, Sweden  
P. VOGT, University of Southern California, USA  
*Nuclear Function and High Order Structure*  
*Secondary Structure*  
*Transcriptional Factors*  
*Cell Division and DNA Replication*

Round Table Discussion with all Lecturers, "Present Status and Future Perspectives of Cancer Research"

**PURPOSE OF THE COURSE**

The purpose of the course is to address, in a tutorial and structural fashion, the molecular basis of human cancer, including the mechanism of signal transduction in mammalian cells, the genetic mechanism of malignant transformation in man, growth factors, hormone receptors, cell membrane and cytoskeleton, and DNA high order structure.

**GENERAL INFORMATION**

Prospective participants from Europe should write to:

Prof. C. NICOLINI  
Director, Biophysics Institute  
School of Medicine  
Viale Benedetto XV, 2  
16132 Genova, ITALY  
Telefax: 39-10-516587

Participants from other continents should write to:

Prof. C. CROCE  
Director, Fels Research Institute  
Temple University  
Philadelphia, PA 19140  
USA  
Phone: (215) 221-4307

stating:

(1) date and place of birth, together with present nationality; (2) address and phone numbers (home and office); (3) list of publications.

Young researchers with little experience should enclose a letter of recommendation from the head of their research group or from a senior scientist active in the field. Applicants interested in submitting unpublished results should send the title and an outline of about 200 words. Selected papers will be presented and discussed in a special session. The total fee, including full board and lodging (arranged by the School), is US \$650.

**Closing date for application: April 15, 1990**  
No special application form is required.

Selections for the course will be made by a Committee consisting of Professors C. Croce, C. Nicolini, and A. Zichichi. Attendance will be limited to 100. More detailed information will be sent to successful applicants together with the acceptance letter.

Information about the Schools and the activities of the CENTRE can be found in the official Journal of the CENTRE: Progress in Scientific Culture, CCSEM—91016—ERICE, ITALY—TELEX: 910366

AACR SPECIAL CONFERENCE IN CANCER RESEARCH

# The Molecular Basis of Tumor Immunology

May 20-22, 1990

Sheraton Reston Hotel, Reston, Virginia

Supported by a generous grant from the Cancer Research Institute of New York, NY

## PROGRAM COMMITTEE

Chairperson: Tak W. Mak, Toronto, Canada

Lloyd J. Old, New York, NY

Ellen S. Vitetta, Dallas, TX

## TENTATIVE SCIENTIFIC PROGRAM

### THE MOLECULAR BASIS OF TUMOR IMMUNOLOGY

Tak W. Mak, "Molecular Biology of Immune Recognitions."

Stanley G. Nathenson, Bronx, NY, "Molecular Strategies for MHC Function: Analysis Using *in Vivo* and *in Vitro* Mutants."

Alain Townsend, Oxford, England, "Processing of Antigens."

Steven Gillis, Seattle, WA, "Cytokines and Lymphokines."

### IMMUNE RECOGNITION OF NEOPLASTIC CELLS I

Gunter J. Haemmerling, Heidelberg, West Germany, "Regulation and Immunological Function of MHC Expression on Tumors."

Aline Van Pel, Brussels, Belgium, "Tumor Targets for Recognition of Lymphoid Cells."

Pramod K. Srivastava, New York, NY, "Targets on Chemically Induced Sarcomas."

Eva Klein, Stockholm, Sweden, "Immune Response to EBV-transformed B Cells."

### IMMUNE RECOGNITION OF NEOPLASTIC CELLS II

Sen-itiroh Hakomori, Seattle, WA, "Carbohydrates as Targets of Immune Responses."

Cornelis J. Melief, Amsterdam, Netherlands, "Oncogenes and Other Mutated Cellular Products as Targets of Immune Responses."

Vinay Kumar, Dallas, TX, "Natural Killer Cells *vis a vis* Cancer."

Philip O. Livingston, New York, NY, "Tumor Cells as Vaccines."

### KEYNOTE ADDRESS

Thomas A. Waldmann, Bethesda, MD, "The IL-2 Receptor in Hematological Malignancies: From the Gene to the Bedside."

### FUTURE PROMISES FOR CONTROLS AND TREATMENTS

David R. Spriggs, Madison, WI, "Cytokines and Cancer."

Ellen S. Vitetta, "Immunoconjugate Therapy."

Speaker to be Announced, "Monoclonal Antibody Therapy."

Philip D. Greenberg, Seattle, WA, "T-Cell Therapy."

Speaker to be Announced, "Future Vaccines."

## INFORMATION AND APPLICATION FORMS

### AMERICAN ASSOCIATION FOR CANCER RESEARCH

Public Ledger Bldg., Suite 816

6th and Chestnut Streets

Philadelphia, PA 19106

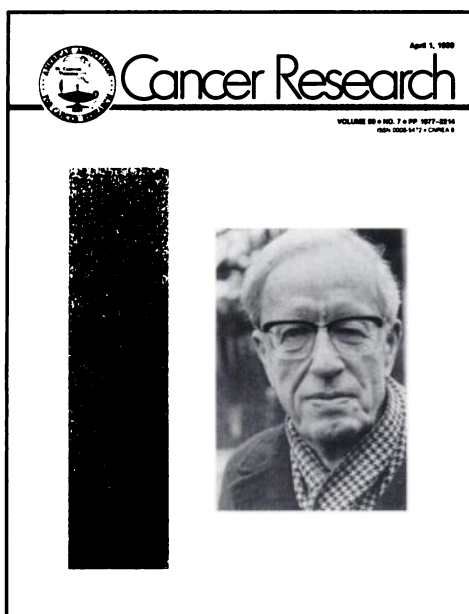
215-440-9300 215-440-9313 (FAX)

**APPLICATION DEADLINE: APRIL 10, 1990**

Late applications will be accepted on a space-available basis.

# COVER LEGEND

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A recent conference on multiple myeloma, held in Houston on April 6–8, 1989, and reported in *Cancer Research*, 49: 7172–7175, 1989, was an occasion to honor a pioneer investigator in neoplasia of the immune system and the discoverer of Waldenstrom's macroglobulinemia. Jan Waldenstrom was the guest of honor and presented the first Waldenstrom Award to Daniel Bergsagel, Professor and Physician-in-Chief of the Princess Margaret Hospital, University of Toronto, for his contributions to myeloma research and therapy.

Jan Waldenstrom was born in 1906 in Stockholm. After medical education at Uppsala and biochemical studies in Cambridge, he studied porphyrin chemistry in Munich with Hans Fischer as a Rockefeller Foundation Fellow. His doctoral dissertation was entitled "Studien über Porphyrin." He was active in the study of metabolic diseases, genetic and molecular bases of inborn errors of metabolism, and metabolic and clinical studies of iron deficiency and the porphyrias.

He began his long career in the study of myeloma and immunoglobulin chemistry in 1942. He discovered and described macroglobulinemia and the serum hyperviscosity syndrome in collaboration with Svedberg and Pedersen in Uppsala and Laurell in Malmö. He established differences in conditions for monoclonal and polyclonal increases in immunoglobulin (Flexner Lecture, 1965, Nashville) and described purpura hyperglobulinemia and what is now called chronic active liver disease. He observed and analyzed the carcinoid syndrome and various paraneoplastic symptoms and published "Paraneoplasia. Biological Signals in the Diagnosis of Cancer," in 1978.

Currently he is continuing his studies on myeloma and macroglobulinemia and his observations of benign monoclonal gammopathy first described in the 1950s.

His career covered professorships in medicine at Uppsala (1944–1950) and Lund and Malmö (1950–1972); after 1973, he served as consultant in the Department of Oncology, Radiumhemmet, Karolinska Sjukhuset, Stockholm. He was a visiting professor and lecturer at many universities throughout Europe and the United States, was a foreign member of the United States National Academy of Sciences and other academies, and was the recipient of many awards and honorary doctorates.

We are indebted to Bart Barlogie, M.D., for the information and photograph.

Sidney Weinhouse