

April 15, 1990

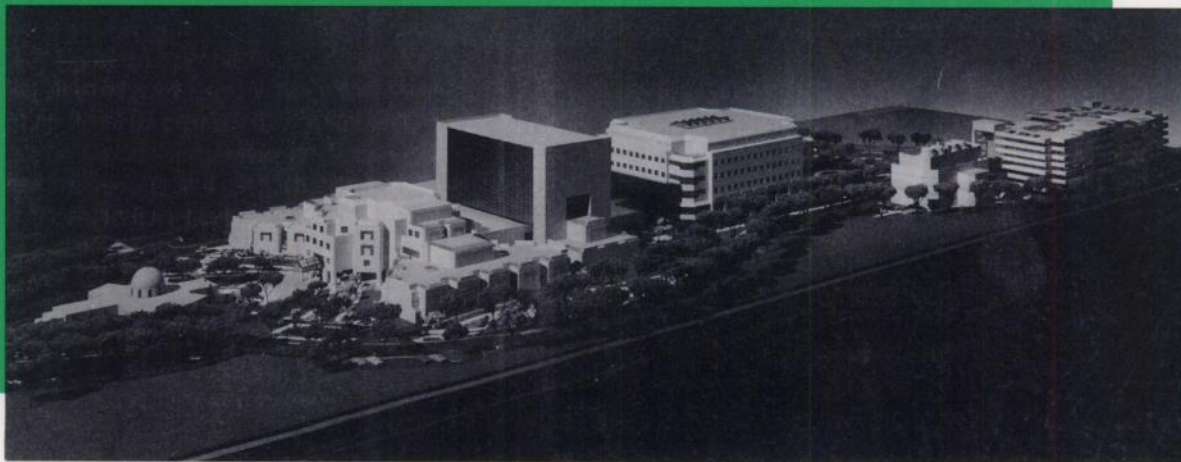
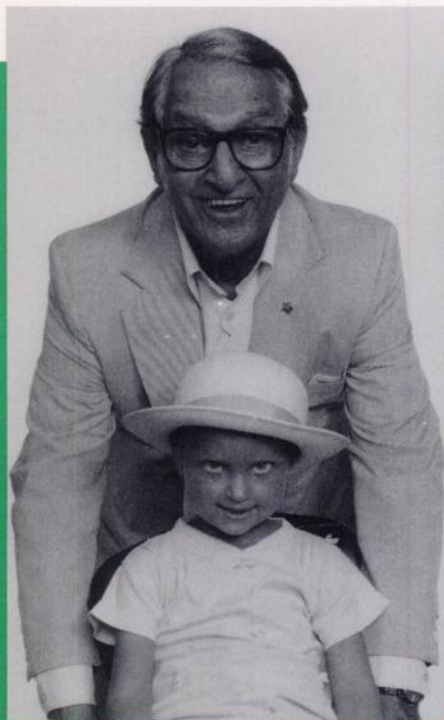


Cancer Research

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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 Tec-nobiochip

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"

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.

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

Applicants 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.

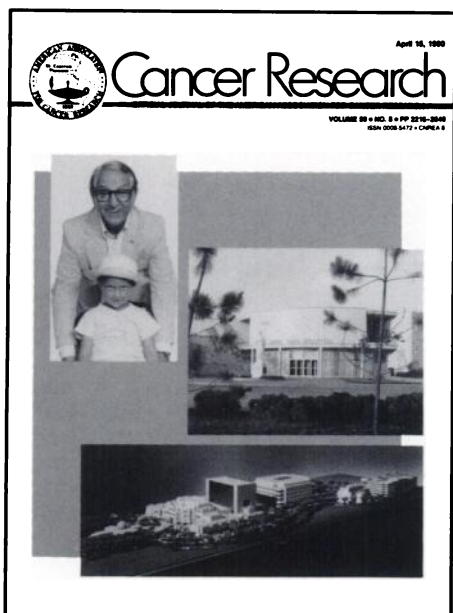
Young researchers with little experience should enclose a letter of recommendation from the head of their research group or from a senior scientist active in the field. Applicants interested in submitting unpublished results should send the title and an outline of about 200 words. Selected papers will 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

COVER LEGEND



St. Jude Children's Research Hospital, located in Memphis, Tennessee, is one of the world's leading centers for research and treatment of catastrophic diseases in children, primarily pediatric cancers. Founded by entertainer Danny Thomas, shown *upper left* with a patient, the hospital opened in 1962 and has treated more than 11,000 children from across the United States and 40 foreign countries. Research efforts are directed at understanding the molecular, genetic, and chemical bases of catastrophic diseases in

children. Research is focused specifically on childhood cancers, infectious diseases, and certain inherited blood disorders. Current basic and clinical research includes chemotherapy, the biochemistry of normal and cancerous cells, radiation treatment, blood diseases, resistance to therapy, viruses, hereditary diseases, influenza, and psychological effects of catastrophic illnesses. St. Jude also conducts long-term epidemiological investigations on its patients and is the only pediatric research hospital supported by a National Cancer Institute cancer center core grant.

St. Jude has begun a 5-year, \$105 million expansion program funded by the American Lebanese Syrian Associated Charities (ALSAC) and the "Mission for Memphis" fund drive. When completed in 1993, the new international research center will be nearly six times larger than the original facilities and twice as large as the present institution. The construction program comprises a new patient care building, a new 5-story research building, and a 1000-vehicle parking garage. The existing 7-story research tower will be extensively renovated. Pictured, *center*, is the original hospital when it opened in 1962 and, *bottom*, a model of the hospital's new look after the construction and renovation are completed. We are indebted to Dr. Joseph V. Simone, Director, and Mr. Jerry Chipman, public relations director, for information and photographs.

Sidney Weinhouse