



# Cancer Research

AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH



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## Molecular Biology of Cancer: Implications for Prevention and Therapy

The Third Joint Meeting of the American  
Association for Cancer Research and the  
Japanese Cancer Association

— *Maui, Hawaii* —  
*February 13–18, 1995*

February 1, 1995  
Volume 55 • Number 3  
PP. 459–720  
ISSN 0008-5472 • CNREA 8

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1995 AACR Annual Meeting:

- Late-Breaking Research Session—Call for Abstracts
- Educational Sessions
- Methods Workshops

# Fifth International Congress Hormones and Cancer

Quebec City, Canada September 16-20, 1995

## PLENARY LECTURES

Molecular Mechanisms for Activation and Function of Steroid Receptor Superfamily Members  
**BERT W. O'MALLEY**, Baylor College of Medicine, USA

Control of Cell Growth, Differentiation and Oncogenesis by Tyrosine Phosphorylation  
**JOSEPH SCHLESSINGER**, New York University Medical Center, USA

Genetic Instability and Cancer  
**ALBERT DE LA CHAPELLE**, University of Helsinki, Finland

Interferons, Interleukins and Cancer  
**JAMES E. DARNELL, JR.**, The Rockefeller University, USA

Gene Therapy  
**INDER M. VERMA**, The Salk Institute for Biological Studies, USA

Oncotoxins and Immunotoxins  
**IRA PASTAN**, National Cancer Institute, USA

Retinoids and Cancer Prevention  
**ANITA B. ROBERTS**, National Cancer Institute, USA

Familial Breast and Ovarian Cancer: Genetics and Risk Factors  
**STEVEN NAROD**, McGill University, Canada

## SYMPOSIA

### HORMONES, GROWTH FACTORS AND SIGNAL TRANSDUCTION

Signaling by Tyrosine Phosphorylation  
**TONY HUNTER**, The Salk Institute, USA

Cross-Talk among cAMP, Tyrosine Kinases and p53 in Differentiation and Apoptosis of Oncogene-Transformed Cells  
**ABRAHAM AMSTERDAM**, The Weizmann Institute of Science, Israel

Cytokine Signal Transduction - Lessons from Knockout Mice  
**TADAMITSU KISHIMOTO**, Osaka University Medical School, Japan

Regulation of AP-1 Activity and of AP-1-Dependent Target Genes  
**PETER HERRLICH**, University of Karlsruhe, Germany

### ANTI-HORMONES

Novel Approaches to Oestrogen Blockade in Breast Cancer Therapy  
**ANTHONY HOWELL**, Christie Hospital, UK

Regulation of the Transcriptional Activity of the Estrogen Receptor by Hormones and Antihormones  
**DONALD P. MCDONNELL**, Duke University Medical Center, USA

Tumor Inhibition by Progesterone Antagonists: from the Bench to the Bed  
**HORST MICHA**, Research Laboratories of Schering AG, Germany

Role of Ligand in Estrogen Receptor Blockade  
**MALCOLM G. PARKER**, Imperial Cancer Research Fund, UK

### BREAST CANCER

Programmed Cell Death in Breast Cancer  
**NANCY E. DAVIDSON**, Johns Hopkins Oncology Center, USA

Transcriptional Interferences of the Estrogen Receptor on AP-1 Activity in Human Breast Cancer Cells  
**DANY CHALBOS**, Université de Montpellier 1, France

Inhibition of Breast Cancer Cell Growth  
**JACQUES SIMARD**, CHUL Research Center, Canada

Retinoids and Breast Cancer  
**ALBERTO COSTA**, Istituto Europeo di Oncologia, Italy

### ENZYME INHIBITORS

Steroid 5 $\alpha$ -Reductase  
**DAVID W. RUSSELL**, The University of Texas Southwestern Medical Center, USA

Aromatase Inhibitors  
**AJAY S. BHATNAGAR**, Ciba-Geigy, Switzerland

Inhibitors of Growth Factor Action  
**NICHOLAS LYDON**, CIBA-Geigy, Switzerland

Farnesyltransferase Inhibitors and Anti-Ras Therapy  
**JACKSON B. GIBBS**, Merck Research Laboratories, USA

### CELL CYCLE REGULATION

Regulation of Cyclin Kinase Activity  
**DAVID BEACH**, Cold Spring Harbor Laboratory, USA

Steroid Regulation of Cell Cycle Progression and Cyclin Gene Expression  
**ROBERT L. SUTHERLAND**, The Garvan Institute of Medical Research, Australia

The D-Cyclins and Their Role in Tumorigenesis  
**GORDON PETERS**, Imperial Cancer Research Fund, UK

Functional and Mutational Analysis of Tumor Suppressor Genes  
**CURTIS C. HARRIS**, National Cancer Institute, USA

### CELL - CELL INTERACTIONS

Role of Thrombospondin in Angiogenesis  
**PAUL BORNSTEIN**, University of Washington School of Medicine, USA

Interaction between Malignant and Nonmalignant Cells in Generation of Extracellular Proteolysis during Cancer Invasion  
**KELD DANO**, Rigshospitalet University Hospital, Denmark

The FGF Family and Stromal-Epithelial Cell Interactions in Prostate Cancer  
**WALLACE L. MCKEEHAN**, Texas A & M University, USA

The Role of the Defective E-Cadherin Function in Prostate Cancer Development: Mechanisms and Clinical Implication  
**JACK A. SHALKEN**, Academisch Ziekenhuis Nijmegen, The Netherlands

### CELL GROWTH INHIBITION AND APOPTOSIS

Retinoid Signal Transduction: How to Separate Beneficial from Undesirable Effects  
**MAGNUS PFAHL**, La Jolla Cancer Research Foundation, USA

Intracellular Expression of Single-Chain Antibodies: A Novel Approach to Inhibit the Growth of Malignant Cells  
**NANCY HYNES**, Friedrich Miescher-Institut, Switzerland

The Role of Glucocorticoid Receptors and Myc in Apoptosis  
**E. BRAD THOMPSON**, University of Texas, USA

The Regulation of Apoptosis by Oncogenes and Tumor Suppressor Genes during Multistep Carcinogenesis  
**TIMOTHY J. MCDONNELL**, University of Texas MD Anderson Cancer Center, USA

### PROSTATE CANCER

Molecular Genetics of Prostate Cancer  
**WILLIAM B. ISAACS**, Johns Hopkins Hospital, USA

Growth of Human Prostatic Tumor: Role of Peptide Hormones and Growth Factors  
**MARCELLA MOTTA**, Università di Milano, Italy

Downstaging of Prostate Cancer by Combination Therapy  
**FRANS M.J. DEBRUYNE**, University Hospital Nijmegen, The Netherlands

Endocrine Therapy for Advanced Prostate Cancer: State of the Art  
**E. DAVID CRAWFORD**, University of Colorado Health Sciences Center, USA

### INTERNATIONAL SATELLITE SYMPOSIA

**DHEA Transformation into Androgens and Estrogens in Target Tissues: Intracrinology**  
Quebec City, September 13-15, 1995

**Recent Advances in Diagnosis and Treatment of Prostate Cancer**  
Quebec City, September 21-23, 1995

## MEET-THE-PROFESSOR SESSIONS

The Prevention of Breast and Ovarian Cancers by Reducing Ovarian Activity: Lifestyle-Change and Technological Approaches  
**MALCOLM C. PIKE**, University of Southern California, USA

Oncogenes and Growth Factors in Pituitary Tumors  
**ANNA SPADA**, Università Degli Studi Di Milano, Italy

Molecular Diagnosis of Cancer  
**MARK H. SKOLNICK**, University of Utah Medical Center, USA

Current Status of Prognostic and Predictive Factors for Breast Cancer  
**GARY M. CLARK**, The University of Texas Health Science Center at San Antonio, USA

Do 5 $\alpha$ -Reductase Inhibitors Have a Role in the Treatment or Prevention of Prostate Cancer?  
**GLENN J. GORMLEY**, Merck Research Laboratories, USA

Tamoxifen for Chemoprevention of Breast Cancer  
**TREVOR J. POWLES**, Royal Marsden Hospital, UK

Screening for Prostate Cancer - Clinical Experiment or Health Policy?  
**FRITZ H. SCHRÖDER**, Erasmus Universiteit, The Netherlands

Estrogens in the Environment: Mechanisms and Health Implications  
**JOHN A. MCLACHLAN**, National Institute of Environmental Health Sciences, USA

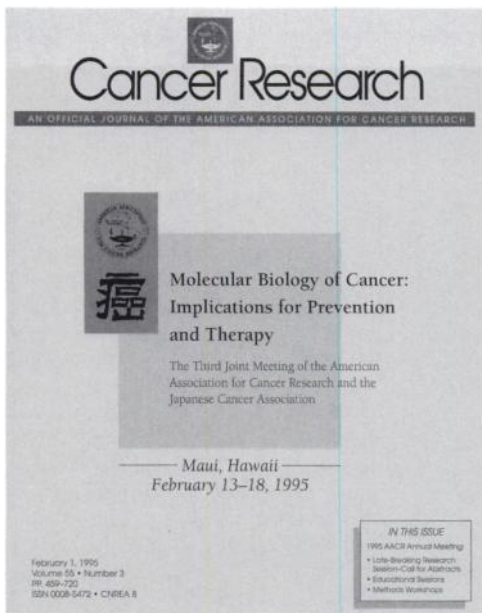
Registration		Regular	Student Rate
Before	July 15, 1995	\$ 375.00	\$ 200.00
After	July 15, 1995	\$ 425.00	\$ 225.00

### For a registration form and more information

Congress Secretariat, Laval University Medical Center, 2705 Laurier Blvd, Québec, G1V 4G2, CANADA  
Phone (418)-654-2144 / Fax (418)-654-2714

# COVER LEGEND

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The Third Joint Meeting of the American Association for Cancer Research (AACR) and the Japanese Cancer Association (JCA) will be held in Hawaii from February 13 to 18, 1995, at the Maui Marriott Resort, Maui. With the title, "Molecular Biology of Cancer: Implications for Prevention and Therapy," the five-day program will embrace sessions devoted to new developments in the following areas: differentiation; signal transduction; hormones and receptors; multistep carci-

nogenesis and genomic instability; chemoprevention *in vivo*; and genetic intervention.

The conference will open with a keynote address by Takashi Sugimura, who is President Emeritus of the National Cancer Center of Japan and an honorary member of the AACR; the title of his talk is "Cancer Prevention: Its Science and Its Impact on Society." A special lecture will be given by Nobel Laureate Carlton Gajdusek, "Nucleating Induction of Infectious Amyloids from Host Precursors." Closing commentaries will be provided by Conference Co-Chairpersons Masaaki Terada, Director of the National Cancer Center Research Institute, and Lee W. Wattenberg, Professor of Laboratory Medicine and Pathology at the University of Minnesota School of Medicine. Dr. Wattenberg is a Past President of the AACR.

The conference will highlight recent advances in the molecular biology of cancer as applied to new strategies for prevention and therapy. In addition to an outstanding list of invited speakers, attendees will give nearly 200 poster presentations on advances in the field. The current worldwide focus on cancer prevention makes the conference particularly timely and an event that should lead to future progress in the field.

This third joint conference, which is a manifestation of the continuing close collaboration between the AACR and the JCA, has engendered a great deal of early interest within the scientific community. It promises to be an exciting scientific program and an opportunity for interactions among scientists from the United States and Japan as well as those from other countries around the world.