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**AMERICAN ASSOCIATION FOR CANCER RESEARCH
84th Annual Meeting**



**Michael B. Sporn, Program Chairperson
Orange County Civic Center, Orlando, FL
May 19-22, 1993**

Major Sessions: Titles and Chairpersons

**Impact of Molecular Biology on Cancer: Its
Detection, Prevention, and Treatment -
Joint AACR/ASCO Session - Stephen H. Friend**

**Transgenic Mice as Models for Cancer
Pathogenesis Owen N. Witte**

**From Bench to Clinic: Concepts in the Design
and Targeting of New Chemotherapeutic
Agents Bruce A. Chabner**

**Tumor Invasion, Angiogenesis, and Metastasis
Robert S. Kerbel**

**Mechanisms of Action of Chemopreventive
Agents: Basic Science and Clinical
Applications Martin Lipkin and Anita B.
Roberts**

**Molecular Mechanisms of Drug Resistance
June L. Biedler**

**Advances in Molecular Epidemiology of Human
Cancer Curtis C. Harris**

**Cytokines in the Immunomodulation of Cancer
Elizabeth A. Grimm**

**The Biology and Therapeutic Application of
Normal Hematopoietic Stem Cells Malcolm
A. S. Moore**

**The Restoration of Normal Differentiation and
Growth to Preneoplastic and Neoplastic
Cells: Strategies for Differentiation Therapy
Waun Ki Hong**

**Nitric Oxide and Superoxide: Endogenous
Mediators of DNA Damage Steven R.
Tannenbaum**

**The Biology and Pathogenesis of Prostate
Cancer Maarten C. Bosland**

Vitamin D and Cancer Michael B. Sporn

**Mesenchymal Interactions with Normal and
Neoplastic Epithelial Cells Gerald R. Cunha**

**Proteases in Carcinogenesis and Tumor
Progression Lynn M. Matrisian**

**Strategies for Utilization of Antisense
Molecules or Ribozymes as Specific
Anticancer Agents Jack S. Cohen**

**Biology and Genetics of Human Preneoplastic
Lesions Walter N. Hittelman**

**Human DNA and Protein Adduct Dosimetry:
Assessment of Risk for the Development of
Primary and Secondary Cancers Regina M.
Santella**

**Biology and Treatment of Pediatric Cancer
Richard J. O'Reilly**

**Latest Advances in Tumor Suppressor Genes
Edward E. Harlow**

**Immunologic Approaches to Targeted Therapy
Ira Pastan**

**Molecular Basis for the Modulation of
Radiation Sensitivity W. Gillies McKenna**

**Gene Rearrangements in Human Cancer
Stanley J. Korsmeyer**

**Protein Phosphatases in Carcinogenesis
Claude B. Klee**

**Protein Kinase C: Modulator of the Cancer
Phenotype and Target for Chemotherapy
Peter M. Blumberg**

**The EGF and FGF Receptor Superfamilies:
Recent Advances in Ligands, Receptors, and
Signal Transduction Andrew Baird and
Michael Klagsbrun**

**Workshop: Clinical Trials Methodology
Brigid G. Leventhal and Steven Piantadosi**

**Workshop: Embryonic Stem Cells and Gene
Knockouts Thomas C. Doetschman**

Further Information: AACR Office • Public Ledger
Building • 620 Chestnut Street • Suite 816 •
Philadelphia, PA 19106-3483
TELEPHONE (215) 440-9300 • FAX (215) 440-9313

**CANCER RESEARCH CAMPAIGN
BEATSON INTERNATIONAL CANCER CONFERENCE**

**CELLULAR MOLECULAR AND CLINICAL ASPECTS OF
SQUAMOUS CELL CARCINOMAS**

**GLASGOW, SCOTLAND
11-15 JULY 1993**

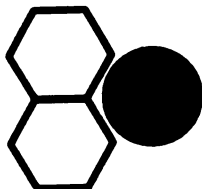
Sessions will include epidermal organisation, growth and differentiation, mechanisms of epidermal carcinogenesis, signal transduction and regulation of the cell cycle, invasiveness and metastasis, immunology and therapy.

Speakers include: SA Aaronson (USA), W Birchmeier (Ger), A Cano (ESP), NE Fusenig (Ger), PH Gallimore (UK), CC Harris (USA), P Herrlich (Ger), ML Kripke (USA), B Lane (UK), D Lane (UK), RM Lavker (USA), LA Lotta (USA), CJ Marshall (UK), CJ Melief (NL), J Mendelsohn (USA), E Moran (USA), HL Moses (USA), G Peters (UK), CA Reznikoff (USA), D Roop (USA), G Schuler (A), M Stanley (UK), JP Thierry (F), K Vousden (UK), FM Watt (UK).

Registration will be limited. Deadline for registration March 31st, 1993.

For additional information contact:

Tricia Wheeler
Conference Coordinator
Beatson Institute for Cancer Research
Garscube Estate
Switchback Road
Bearsden, Glasgow G61 1BD, UK



**SECTION CHIEF, HEMATOLOGY/ONCOLOGY
DEPARTMENT OF MEDICINE
UNIVERSITY OF ILLINOIS COLLEGE OF
MEDICINE AT CHICAGO**

The Department of Medicine of the University of Illinois College of Medicine at Chicago and its new Chairman, Dr. Lawrence A. Frohman, are seeking candidates for the position of Chief of the Section of Hematology/Oncology. The position entails an endowed Professorship. The successful candidate will be expected to develop and implement programs which will provide state of the art clinical care and innovative basic and clinical research. Considerable resources will be made available to achieve these ends with provision of ample laboratory space, equipment and availability of collaboration with clinical and basic scientists. Clinical facilities encompass the University of Illinois Hospital and the Veterans Administration West Side Medical Center as well as the potential interaction with several affiliated hospitals. To complement the existing faculty and the already strong presence in Surgical and Radiation Oncology, the Chief will have the opportunity to fill a number of new positions.

We view the establishment of this Section as a major endeavor by the University of Illinois. We seek to identify individuals with demonstrated excellence in research who are clinically accomplished and have leadership capacity. With the appropriate vision and management skills, and given the range of resources which will be offered, the successful candidate will have the opportunity of creating a distinguished section.

Please send inquiries and curriculum vitae to:

Melvin Lopata, M.D., Chairman
Search Committee Hematology/Oncology
Section Chief

The University of Illinois at Chicago
840 S. Wood St. (M/C 787)
Chicago, IL 60612

Phone: (312) 996-7700 FAX: (312) 413-0342

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**The European Cancer Prevention Organisation calls for Abstracts
to its Eleventh Annual Symposium**

'PREMALIGNANT LESIONS IN THE BREAST'

which will be held on

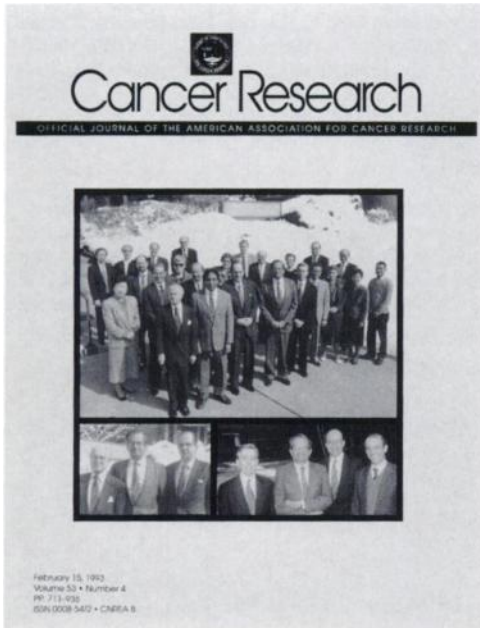
**June 18 & 19, 1993 in the
Holiday Inn Hotel Hasselt, Belgium**

Instructions for Abstract Submission

1. An abstract will only be considered after registration to the symposium with a minimal registration fee of 6000 Bfrs. Some abstracts are considered for oral presentation (20 min). The remaining will be posted.
2. The deadline for abstract submission is March 15, 1993. The text should be sent to the symposium secretariat as described hereunder.
3. The abstract should not exceed 150 words. The language is English. The text will not be photographically reproduced but printed. Abstract forms therefore are not necessary. The text can be faxed to the secretariat.
4. The abstract should contain a Title, Name of all authors (the author who will present the paper orally should be underlined), Complete address of the research group, background, methods, results, conclusions and acknowledgments if necessary.

The full proceedings of the lectures and accepted abstract papers of the symposium will be published as a supplement in the 'European Journal of Cancer Prevention'. For further information, contact the symposium secretariat: **Prof. Dr. J. Ph. Janssens, Working Group on Hormone Related Cancer, European Cancer Prevention Organisation, Dr. L. Willems Instituut, Limburgs Universitair Centrum, Gebouw C, Universitaire Campus, B-3590 Diepenbeek, Belgium, Fax: + 32 11 269312, Tel: + 32 11 269211, Bank: 355-0433775-37.**

COVER LEGEND



The American Health Foundation is a specialized research center for cancer prevention. Its multidisciplinary staff numbers approximately 230, including 70 members at the doctorate level and another 30 professionals. The Foundation's laboratory building is located on the campus of the Westchester Medical Center in Valhalla, NY, while all other investigations are conducted in a New York City facility.

With a strong focus on research into the etiology of the major types of cancer, epidemiologists, chemists, biochemists, pathologists, molecular biologists, endocrinologists, and nutrition scientists collaborate to discern the causes and contributing factors of cancer induction and development, with their ultimate goal being the development of strategies for cancer prevention. Inasmuch as life-style factors, such as tobacco smoking, alcohol consumption, sexual behavior, exercise, and various dietary practices, are inextricably linked to the occurrence of a majority of neoplastic diseases, the epidemiologists and laboratory scientists at the Foundation are assisted in their cancer prevention efforts by a strong cadre of behavioral scientists and health educators who conduct research into behavior modification and health education, *e.g.*, the school-based "Know Your Body" program, as preventive strategies.

The research approaches also include basic studies on the modes of action of diverse carcinogens in relation to organ specificity, especially those carcinogens actually or potentially associated with types of human cancer. An important aspect of this research is the delineation of mechanisms underlying the effects of tumor promoting and accelerating substances, such as those present in tobacco smoke, or those derived from the diet, such as diverse types of fat. An active program is under way to develop and explore the efficacy and modes of action of chemopreventive agents, including various types of fiber, teas, vitamins, minerals, selenium and organoselenium compounds, antioxidants, and antiinflammatory agents. Approaches to *in vitro* and *in vivo* bioassays of carcinogens and promoters have been developed, such as the DNA repair test in hepatocytes created by G. M. Williams, as well as tests for promoters based on the interruption of intercellular communication. New programs involve exploration of the gene alterations associated with cancer in animal models and in humans.

The staff of the Foundation has collaborated extensively with outside groups in applying smoking cessation strategies, inasmuch as smoking and tobacco use may account for over 35% of premature deaths. Parallel educational activities concern the need to change dietary traditions by moving towards lower intake of fat and salt and higher consumption of fruits, vegetables, starches, and fibers; nutritionally linked types of cancer and cardiovascular diseases result in about 50% of early deaths. The efforts to achieve life-style modification that originated at the Foundation are expected to contribute to meeting the goal of reduced mortality from cancer by the year 2000 through effective prevention.

The American Health Foundation was established in 1969 by E. L. Wynder, President of the Foundation. The *top* photograph displays staff members who have been with the Foundation for the past 15 years or longer. Also shown (*bottom left*) are the pioneers in the Foundation, D. Hoffmann (*right*), Dr. Wynder (*center*), and J. H. Weisburger (*left*), as well as (*bottom right*) the current directors, S. S. Hecht (*far right*) and Dr. Williams (*far left*), with Dr. Wynder (*second from left*) and R. Klarberg, Executive Vice President (*second from right*).

Sidney Weinhouse