PROGRAM PLANNING COMMITTEE

Co-Chairmen
Emmanuel Farber
Michael B. Sporn

Committee Members
Roswell K. Boutwell
Gilbert H. Friedell
Emmanuel Farber
Pietro M. Gullino
Martin Lipkin
Paul Nettlesheim
James Price

PROGRAM

INTRODUCTION

Introductory Remarks.
Umberto Saffiotti .......................................................... 2479
Introductory Remarks.
Emmanuel Farber .......................................................... 2481

SESSION ON CERVIX AND BLADDER

Co-Chairmen: Gilbert H. Friedell and James Price

Carcinoma, Carcinoma in Situ, and “Early Lesions” of the Uterine Cervix and the Urinary Bladder: Introduction and Definitions.
Gilbert H. Friedell .......................................................... 2482
In Vivo and in Vitro “Markers” of Human Cervical Intraepithelial Neoplasia.
George D. Wilbanks ......................................................... 2485
Morphological and Clinical Observations of Patients with Early Bladder Cancer Treated with Total Cystectomy.
George M. Farrow, David C. Utz, and Charles C. Rife ........................................... 2495
Membrane Changes during Urothelial Hyperplasia and Neoplasia.
R. Marian Hicks, and J. St. John Wakefield ............................................. 2502
Early Lesions in Experimental Bladder Cancer: Experimental Design and Light Microscopic Findings.
Samuel M. Cohen, Jerome B. Jacobs, Masayuki Arai, Sonny Johansson, and Gilbert H. Friedell ............................................. 2508
Jerome B. Jacobs, Masayuki Arai, Samuel M. Cohen, and Gilbert H. Friedell ............................................. 2512
Changes in Plasma Membrane Structure Associated with Malignant Transformation in Human Urinary Bladder Epithelium.
Ronald S. Weinstein ......................................................... 2518
Organ Culture of Normal and Carcinogen-treated Rat Bladder.
David H. Reese, Rosalind D. Friedman, Joseph M. Smith, and Michael B. Sporn ............................................. 2525
Early Changes Caused by N-Butyl-N-(4-hydroxybutyl)nitrosamine in the Bladder Epithelium of Different Animal Species.
Nobuyuki Ito ................................................................. 2528

SESSION ON LIVER

Co-Chairmen: Peter P. Anthony and Emmanuel Farber

Hyperplastic Areas, Hyperplastic Nodules, and Hyperbasophilic Areas as Putative Precursor Lesions.
Emmanuel Farber .......................................................... 2532
Sequential Phenotypic Changes in Hyperplastic Areas during Hepatocarcinogenesis in the Rat.
Tomoyuki Kitagawa .......................................................... 2534
Functional Markers and Growth Behavior of Preneoplastic Hepatocytes.
Gary M. Williams .......................................................... 2540
Kinetics of Induction and Growth of Enzyme-deficient Islands Involved in Hepatocarcinogenesis.
E. Scherer and P. Emmelot .............................................. 2544
Cytology and Cytogenesis of Neoplastic (Hyperplastic) Hepatic Nodules.
Peter Bannasch ................................................................. 2555
Sequential Phenotypic and Biochemical Alterations during Chemical Hepatocarcinogenesis.
Frederick F. Becker .......................................................... 2563
Ultrastructural and Cytochemical Studies on Hyperbasophilic Foci with Special Reference to the Demonstration of Cell Surface Alterations in Hepatocarcinogenesis.
Shuichi Karasaki ............................................................... 2567
Experimental Hepatocellular Carcinogenesis.
Paul M. Newberne ............................................................ 2573
Precursor Lesions for Liver Cancer in Humans.
Peter P. Anthony ............................................................. 2579
Sex Hormones and Hepatic Neoplasia.
Stanley Goldfarb .............................................................. 2584

SESSION ON BREAST
Chairman: Pietro M. Gullino

Preneoplastic Lesions in Murine Mammary Cancer.
Daniel Medina ................................................................. 2589
Structural, Antigenic, and Biological Characteristics of Precancerous Mastopathy.
Maurice M. Black .............................................................. 2596
Preneoplastic Lesions of the Human Mammary Gland Transplanted into the Nude Athymic Mouse.
Hanne M. Jensen and Setton R. Wellings ............................... 2605
Angiogenic Capacity of Preneoplastic Lesions of the Murine Mammary Gland as a Marker of Neoplastic Transformation
Michael A. Gimbrone, Jr., and Pietro M. Gullino ...................... 2611
Prophylaxis of Early Preneoplastic Lesions of the Mammary Gland.
Clifford W. Welsh ............................................................ 2621
Inhibition of 7,12-Dimethylbenz(a)anthracene-induced Mammary Carcinogenesis by Retinyl Acetate.
Richard C. Moon, Clinton J. Grubbs, and Michael B. Sporn ........ 2626

SESSION ON SKIN
Chairman: Roswell K. Boutwell

The Biochemistry of Preneoplasia in Mouse Skin.
Roswell K. Boutwell .......................................................... 2631
Epidermal Growth Control Mechanisms, Hyperplasia, and Tumor Promotion in the Skin.
Friedrich Marks ............................................................... 2636
The Induction of Ornithine Decarboxylase as an Early, Possibly Obligatory, Event in Mouse Skin Carcinogenesis.
T. G. O'Brien ................................................................. 2644

SESSION ON RESPIRATORY TRACT
Chairman: Paul Nettesheim

Precursor Lesions of Bronchogenic Carcinoma.
Paul Nettesheim ............................................................. 2654
Fate of Early Carcinogen-induced Lesions in Tracheal Epithelium.
Richard A. Griesemer, Paul Nettesheim, and Ann C. Marchok ..... 2659

SESSION ON GASTROINTESTINAL TRACT
Chairman: Martin Lipkin

Early Proliferative Changes in Intestinal Cells.
Martin Lipkin and Eleanor Deschner .................................. 2665

JULY 1976 2477
The Precursor Tissue of Ordinary Large Bowel Cancer.

Nathan Lane .................................................. 2669

Precancerous Changes in the Stomach.

Takashi Kawachi, Mariko Kurisu, Noriko Numanyu, Koji Sasajima, Tomono Sano, and Takashi Sugimura ... 2673

Characteristic Complements of Nuclear Nonhistone Proteins in Colonic Epithelial Tumors.

Lidia C. Boffa and Vincent G. Allfrey ........................................... 2678

Biochemical Changes in Preneoplastic Rodent Intestines.

William J. Ball, Jr., Josephine S. Sailer, and M. Earl Bates ................................. 2686

Morphological Lesions Associated with Human Primary Invasive Nonendocrine Pancreas Cancer.

Antonio L. Cubilla and Patrick J. Fitzgerald .............................................. 2690

DISCUSSION AND SUMMARY

Approaches to Prevention of Epithelial Cancer during the Preneoplastic Period.

Michael B. Sporn .................................................. 2699

Putative Precursor Lesions: Summary and Some Analytical Considerations.

Emmanuel Farber .................................................. 2703

Summary Statement.

Peter P. Anthony, Roswell K. Boutwell, Emmanuel Farber, Gilbert H. Friedell, Pietro M. Gullino, Martin Lipkin, Paul Nettesheim, James Price, and Michael B. Sporn ........................................... 2706

* * *

The Conference Co-Chairmen wish to thank Dr. Carl E. Smith for his helpful assistance in the planning and publication of this Symposium. We thank Doris Overman for her help in preparing manuscripts for publication and Margaret Foti and her staff at CANCER RESEARCH for skilled editorial assistance with the final publication.


Updated version
Access the most recent version of this article at:
http://cancerres.aacrjournals.org/content/36/7_Part_2.citation

E-mail alerts
Sign up to receive free email-alerts related to this article or journal.

Reprints and Subscriptions
To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions
To request permission to re-use all or part of this article, contact the AACR Publications Department at permissions@aacr.org.