CONTENTS†

Asterisks * preceding page numbers refer to studies using human-derived material.

Special Lecture
1 Protein Kinase C as the Receptor for the Phorbol Ester Tumor Promoters: Sixth Rhoads Memorial Award Lecture. Peter M. Blumberg.

BASIC SCIENCES
9 Accumulation of cis-Diaminedichloroplatinum(II) and Platinum Analogues by Platinum-resistant Murine Leukemia Cells in Vitro. Alan J. Kraker and Charles W. Moore.
14 Interactions of Putative Estrogens with the Intracellular Receptor Complex in Mouse Leydig Cells: Relationship to Prenoeastic Hyperplasia. R. Lloyd Juriansz, Robert A. Huseby, and R. Bruce Wilcox.
★27 Sister Chromatid Exchange Induction by Diaziquone in Human and Mouse Lymphocytes following Both in Vitro and in Vivo Exposures. Andrew D. Kligerman, Gregory L. Erexson, and Miriam F. Bryant.
★52 Alterations in Tyrosine Phosphorylation during the Granulocytic Maturation of HL-60 Leukemia Cells. David A. Frank and Alan C. Sartorelli.
74 Modulation of Tissue and Epidermal Transglutaminases in Mouse Epidermal Cells after Treatment with 12-O-Tetradecanoylphorbol-13-acetate and/or Retinoic Acid in Vitro and in Culture. Ulrike Lichti and Stuart H. Yuspna.
89 31P-Nuclear Magnetic Resonance Spectroscopy Studies of the Response of Rat Mammary Tumors to Endocrine Therapy. Loreta M. Rodrigues, Caroline J. Midwood, R. Charles Coombes, Anthony N. Stevens, Marion Stubbs, and John R. Griffiths.
★94 Combination of N,N,N'-Triethylenethiophosphoramide and Cyclophosphamide in Vitro and in Vivo. Beverly A. Teicher, Sylvia A. Holden, Carol A. Cucchi, Kathleen N. S. Cathcart, Timothy T. Korbut, Jennifer L. Flatow, and Emil Frei III.
130 Alterations in Murine Host Defense Functions by Adriamycin or Liposome-encapsulated Adriamycin. Kenneth Mace, Eric Mayhew, Enrico Mihich, and M. Jane Ehrke.
★137 Expression of Epidermal Growth Factor Receptor in Human Gastric and Colonic Carcinomas. Wataru Yasui, Hiromichi Ueno, and Editorial Board.

† The CONTENTS arranged by Subject Category can be found immediately following these CONTENTS.
Cancer Research
VOLUME 48 • NUMBER 1

CONTENTS Arranged by Subject Category

Special Lecture

1 Protein Kinase C as the Receptor for the Phorbol Ester Tumor Promoters: Sixth Rhoads Memorial Award Lecture. Peter M. Blumberg.

BASIC SCIENCES

Biochemistry and Biophysics

*52 Alterations in Tyrosine Phosphorylation during the Granulocytic Maturation of HL-60 Leukemia Cells. David A. Frank and Alan C. Sartorelli.

74 Modulation of Tissue and Epidermal Transglutaminases in Mouse Epidermal Cells after Treatment with 12-O-Tetradecanoylphorbol-13-acetate and/or Retinoic Acid in Vivo and in Culture. Ulrike Lichti and Stuart H. Yuspa.

89 3¹P-Nuclear Magnetic Resonance Spectroscopy Studies of the Response of Rat Mammary Tumors to Endocrine Therapy. Loretta M. Rodrigues, Caroline J. Midwood, R. Charles Coombes, Anthony N. Stevens, Marion Stubbs, and John R. Griffiths.

Carcinogenesis

14 Interactions of Putative Estrogens with the Intracellular Receptor Complex in Mouse Leydig Cells: Relationship to Preneoplastic Hyperplasia. R. Lloyd Juriansz, Robert A. Huseby, and R. Bruce Wilcox.


Endocrinology


Immunology


130 Alterations in Murine Host Defense Functions by Adriamycin or Liposome-encapsulated Adriamycin. Kenneth Mace, Eric Mayhew, Enrico Mihich, and M. Jane Ehrike.


Molecular Biology and Genetics


*175 Chromosome Abnormalities in Pediatric Brain Tumors. Constance A. Griffin, Anita L. Hawkins, Roger J. Packer, Lucy B. Rorke, and Beverly S. Emanuel.


Preclinical Pharmacology and Experimental Therapeutics

9 Accumulation of cis-Diaminedichloroplatinum(II) and Platinum Analogues by Platinum-resistant Murine Leukemia Cells in Vivo. Alan J. Kraker and Charles W. Moore.

*19 Effect of d,b-Bathione-S,S-sulfoximine on Cytotoxicity and DNA Cross-Linking Induced by Bifunctional DNA-reactive Cytostatic Drugs in Human Melanoma Cells. Johan Hansson, Margareta Edgren, Hans Ehrsson, Ulrik Ringborg, and Bo Nilsson.

27 Sister Chromatid Exchange Induction by Diaziquone in Human and Mouse Lymphocytes following Both in Vivo and in Vitro Exposures. Andrew D. Kligerman, Gregory L. Erexson, and Miriam F. Bryant.


94 Combination of N,N,N’-Triethylenethiophosphoramid and Cyclophosphamide in Vivo and in Vitro. Beverly A. Teicher, Sylvia A. Holden, Carol A. Cucchi, Kathleen N. S. Cathcart, Timothy T. Kurbat, Jennifer L. Flatow, and Emil Frei III.

* Indicates studies using human-derived material.


Tumor Biology


Induction of S 100 Protein by 5-Bromo-2′-deoxyuridine in Human Neuroblastoma Cell Lines. Kentaro Tsunamoto, Shinjiro Todo, Shinsaku Imashuku, and Kanefusa Kato.


CLINICAL AND EPIDEMIOLOGICAL INVESTIGATIONS


Analysis of the Chromosomal DNA Replication Pattern Using the Bromodeoxyuridine Labeling Method. Toshiaki Karube and Shaw Watanabe.

Meeting Report


Announcements

Instructions for Authors

Author Index

NOTE: Advance registration form for 79th Annual Meeting of the American Association for Cancer Research available in the back of this issue.