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 Prenoelastic 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. Yuspa.


89 3P-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.


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


† The CONTENTS arranged by Subject Category can be found immediately following these CONTENTS.

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

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


* 188 Correlation of Vascular Permeability and Blood Flow with Monoclonal Antibody Uptake by Human Cloners and Renal Cell Xenografts. Howard Sands, Peter L. Jones, Sudhir A. Shah, Donald Palme, Robert L. Vessella, and Brian M. Gallagher.


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

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.

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


* Indicates studies using human-derived material.

CONTENTS Arranged by Subject Category

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


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 Vitro. Alan J. Kraker and Charles W. Moore.


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"-Triethylsphyrophosphoramidc and Cyclophosphamide in Vitro and in Vivo. Beverly A. Teicher, Sylvia A. Holden, Carol A. Cucchi, Kathleen N. S. Catheart, Timothy T. Korb, Jennifer L. Flatow, and Emil Frei III.


Tumor Biology


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