CONTENTS

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


BASIC SCIENCES

4918 Correlation between Activation of Quiescent 3T3 Cells by Retinoic Acid and Increases in Uridine Phosphorylation and Cellular RNA Synthesis. Eliezer Rapaport, Edward W. Schroder, Alisa Kastan Kabcenell, and Paul H. Black.

4921 Response of Aerobic and Hypoxic Cells in a Solid Tumor to Adriamycin and Cyclophosphamide and Interaction of the Drugs with Radiation. Ian Tannock.


4954 Effect of Short-Term Feeding of Sodium Selenite on 7,12-Dimethylbenz(a)anthracene-induced Mammary Carcinogenesis in the Rat. Henry J. Thompson, L. David Meeker, Peter J. Becci, and Stephen Kokoska.


4979 An Unusual Transfer RNA (Guanine-2-)-methyltransferase from Transplantable Rat Mammary Tumors. Karen J. Brunke and Phoebe S. Leboy.

*4985 Reactivity of Serum-armed Xenogeneic Macrophages to Breast Cancer Antigens. Lester F. Harris, Lynda L. Miller, and David F. Hickok.


5004 Methyl-accepting RNA in 13762 Mammary Adenocarcinoma Correlated with Low Adenine Methyltransferase Levels. Carlos E. Salas, Barbara D. Uschmann, and Phoebe S. Leboy.

5009 Hormonally Responsive versus Unresponsive Progression of Prostatic Cancer to Antiandrogen Therapy as Studied with the Dunning R-3327-AT and -G Rat Adenocarcinomas. John T. Isaacs.

*5015 Effect of Methotrexate on Incorporation and Excision of 5-Fluorouracil Residues in Human Breast Carcinoma DNA. David J. Herrick, Pierre P. Major, and Donald W. Kufe.


5038 Inhibition of Tumor Growth in Association with Modifications of In Vivo Immune Response by Indomethacin and Polyninosinic-Polyribidylic Acid. Michael J. Droller and Diana Gomolka.
Delayed Sensitization to Heat by Inhibitors of Polyamine-biosynthetic Enzymes. David J. M. Fuller and Eugene W. Germer.


Effects of Sex Difference and Dietary Protein Level on the Binding of Aflatoxin B1 to Rat Liver Chromatin Proteins in Vivo. Lester G. Prince and T. Colin Campbell.

Response to Estrogen by the Human Mammary Carcinoma Cell Line CAMA-1. Benjamin S. Leung, Shehla Qureshi, and Jonas S. Leung.


Inhibition of Lung Metastases in Mice Bearing a Malignant Fibrosarcoma by Treatment with Liposomes Containing Human C-reactive Protein. Sharad D. Deodhar, Karen James, Theresa Chiang, Mark Edinger, and Barbara P. Barna.


Disrupted Communication between Late-Stage Premalignant Human Colon Epithelial Cells by 12-O-Tetradecanoylphorbol-13-acetate. Eileen A. Friedman and Mark Steinberg.


γ-Glutamyl Transpeptidase and α-Fetoprotein Expression during α-Naphthylisothiocyanate-induced Hepatotoxicity in Rats. William L. Richards, Yutaka Mizushima, Naoya Yuhki, Masuo Hosokawa, and Hiroshi Kobayashi.

Carcinogenicity of N-Nitrosodiphenylamine in Rats at Five Different Dose Levels. R. Preussmann, M. Habs, H. Habs, and D. Schmähl.


Effect of Sex Hormones on Carcinogenesis in the Stomachs of Rats. Hiroshi Furukawa, Takeshi Iwangan, Hiroki Koyama, and Haruo Taniguchi.


Variable Effects of Retinoids on Two Pigmenting Human Melanoma Cell Lines. Eileen Hool, E. Lynette Wilson, and Eugene B. Dowdle.

Two Forms of Tumors in Nude Mice Generated by a Neoplastic Rat Mammary Stem Cell Line. Philip S. Rudland, Barry A. Gusterson, Christine M. Hughes, E. Jane Ormerod, and Michael J. Warburton.


Demonstration of in Vivo DNA Repair Synthesis in Mouse Skin Exposed to Various Chemical Carcinogens. Takatoshi Ishikawa, Ken’ichi Kodama, Yasuhioko Masuho, Takeshi Harada, and Toshitada Takahashi.

Continuous Expression of Cancer-related Fucosyl Glycopeptides on the Surface of Human Promyelocytic Leukemia Cells (HL-60) following Terminal Differentiation in Vitro. Wim P. Van Beek, Abraham Tulp, Mieke Egbers-Bogaards, Klaas J. Rozendaal, and Lou A. Smets.
5231 Enhanced Radiation Lethality in Partially Synchronized Solid Mouse Tumors. Takeshi Todoroki, Sachiko Koike, Hiroshi Tsunemoto, and Ikuo Watanabe.


CLINICAL INVESTIGATIONS


5255 Pharmacokinetics of (+)-1,2-Di(3,5-dioxopiperazin-1-yl)propane Intravenous Infusions in Adult Cancer Patients. Robert H. Earhart, Kendra D. Tutsch, Jim M. Koeller, Rey Rodriguez, H. Ian Robins, Charles L. Vogel, Hugh L. Davis, and Douglass C. Tormey.


5265 Urine Levels of N-[9-(β-D-Ribofuranosyl)purin-6-ylcarbamoyl]-L-threonine, N6-(Δ2-isopentenyl)adenosine, and 2′-O-Methylguanosine as Determined by Radioimmunoassay for Normal Subjects and Cancer Patients. Barbara S. Vold, Duane E. Keith, Jr., and Milan Slavik.


See December Part 2 for Volume 42 Author and Subject Indices, and Contents.