Volume 35 / Number 4 / April 1975

Contents

Asterisks preceding page numbers refer to human studies.

- 865 Nathan Mantel, Neeti R. Bohidar, Charles C. Brown, Joseph L. Ciminera, and John W. Tukey. An Improved Mantel-Bryan Procedure for "Safety" Testing of Carcinogens.
- 873 Michael T. White, E. K. Wagner, and K. K. Tewari.
 Physicochemical Characterization of Novikoff
 Hepatoma Mitochondrial DNA.
- 880 Peter G. Wislocki, James A. Miller, and Elizabeth C. Miller. The Carcinogenic and Electrophilic Activities of N-Benzoyloxy Derivatives of N-Methyl-4-aminoazobenzene and Related Dyes.
- *886 Dawn B. Marks, Terry Kanefsky, Barbara J. Keller, and Allan D. Marks. The Presence of Histone H1° in Human Tissues.
- 890 Roberto Revoltella, Cesare Bosman, and Luisa Bertolini. Detection of Nerve Growth Factor Binding Sites on Neuroblastoma Cells by Rosette Formation.
- 896 Cesare Bosman, Roberto Revoltella, and Luisa Bertolini. Phagocytosis of Nerve Growth Factor-coated Erythrocytes in Neuroblastoma Rosette-forming Cells.
- 906 Charles M. King and Charles W. Olive. Comparative Effects of Strain, Species, and Sex on the Acyltransferase- and Sulfotransferase-catalyzed Activations of N-Hydroxy-N-2-fluorenylacetamide.
- 913 J. F. Chiu, Mildred Hunt, and L. S. Hnilica. Tissue-specific DNA-Protein Complexes during Azo Dye Hepatocarcinogenesis.
- 920 Barbara Barna and Sharad D. Deodhar. The Activity of Regional Nodes in the Evolution of Immune Responses to Allogeneic and Isogeneic Tumors.
- 927 M. A. Chirigos, F. Fuhrman, and J. Pryor. Prolongation of Chemotherapeutically Induced Remission

- of a Syngeneic Murine Leukemia by L-2,3,5,6-Tetrahydro-6-phenylimidazo[2,1-b]thiazole Hydrochloride.
- 932 William U. Shipley, Judith A. Stanley, V. Doreen Courtenay, and Stanley B. Field. Repair of Radiation Damage in Lewis Lung Carcinoma Cells following in Situ Treatment with Fast Neutrons and γ -rays.
- 939 Muriel M. Lippman, W. Russell Laster, Betty J. Abbott, John Venditti, and Mario Baratta. Antitumor Activity of Macromomycin B (NSC 170105) against Murine Leukemias, Melanoma, and Lung Carcinoma.
- 946 H. Fuji and E. Mihich. Selection for High Immunogenicity in Drug-resistant Sublines of Murine Lymphomas Demonstrated by Plaque Assay.
- 953 Anne Atherton, Dorothy Busfield, and K. Hellmann. The Effects of an Antimetastatic Agent, (±)-1,2-Bis(3,5-dioxopiperazin-1-yl)propane (ICRF 159), on Platelet Behavior.
- 958 William Lijinsky and H. Wayne Taylor. Induction of Urinary Bladder Tumors in Rats by Administration of Nitrosomethyldodecylamine.
- 962 Eddie W. Lamon, Richard A. Gatti, Rolf Kiessling, and Eva Maria Fenyö. Comparison of the Allospecific and Viral-specific Immune Responses to Irradiated versus Formaldehyde-fixed Allogeneic Moloney Lymphoma Cells in CBA Mice.
- 970 M. E. Costlow, R. A. Buschow, N. J. Richert, and W. L. McGuire. Prolactin and Estrogen Binding in Transplantable Hormone-dependent and Autonomous Rat Mammary Carcinoma.
- *975 Richard J. Owellen and Carol A. Hartke. The Pharmacokinetics of 4-Acetyl Tritium Vinblastine in Two Patients.

- *981 Andrew Ta-Fu Huang, Marie M. Riddle, and Lawrence S. Koons. Some Properties of a DNAunwinding Protein Unique to Lymphocytes from Chronic Lymphocytic Leukemia.
- *987 Christine Waterhouse. γ G-Globulin Production and Light-Chain Metabolism in Patients with Metastatic Cancer.
- *991 K. Robert McIntire, Thomas A. Waldmann, Charles G. Moertel, and Vay L. W. Go. Serum α -Fetoprotein in Patients with Neoplasms of the Gastrointestinal Tract.
- 997 James R. Allen, Ih-Chang Hsu, and Laurine A. Carstens. Dehydroretronecine-induced Rhabdomyosarcomas in Rats.
- *1003 R. Michalides, S. Spiegelman, and J. Schlom.
 Biochemical Characterization of Putative Subviral
 Particulates from Human Malignant Breast Tumors.
- 1009 Joshua Zimmerberg, Olga Greengard, and W. Eugene Knox. Peptidyl Proline Hydroxylase in Adult, Developing, and Neoplastic Rat Tissues.
- 1015 Mitsuo Kodama and Toshiko Kodama. Enhancing Effect of Hydrocortisone on Hematogenous Metastasis of Ehrlich Ascites Tumor in Mice.
- 1022 Lise Thiry, Suzanne Sprecher-Goldberger, Leopold Tack, Marcel Jacques, and Jacques Stienon. Comparison of the Immunogenicity of Hamster Cells Transformed by Adenovirus and Herpes Simplex Virus.
- *1030 Yoshiyuki Tamura, Michio Niinobe, Teruo Arima, Hiromichi Okuda, and Setsuro Fujii. Aminopeptidases and Arylamidases in Normal and Cancer Tissues in Humans.
- 1035 Charles H. Evans and Joseph A. DiPaolo. Neoplastic Transformation of Guinea Pig Fetal Cells in Culture Induced by Chemical Carcinogens.
- 1045 Charles H. Evans, Adele M. Cooney, and Joseph A. DiPaolo. Colony Inhibition Mediated by Nonimmune Leukocytes in Vitro and Skin Reactivity in Vivo as Indices of Tumorigenicity of Guinea Pig Cultures Transformed by Chemical Carcinogens.

- 1053 Robert C. Brown, J. A. Kostyu, and Alexandra Kilgore. Evaluation of Irradiation-Plus-Urethan-induced Murine Leukemia Virus "Release" Using a New Method for Quantitation of Oncornaviruses in Tissues.
- 1058 Andrew Fradkin, Aaron Janoff, Bernard P. Lane, and Marvin Kuschner. In Vitro Transformation of BHK21 Cells Grown in the Presence of Calcium Chromate.
- 1064 Lindsay Mackey, William Jarrett, and Lesley Wilson. A Mixed-Immunoglobulin Rosette Technique for the Detection of Antibody to Feline Oncornavirus-associated Cel Membrane Antigen.
- 1069 Oscar Sudilovsky and Renata Gunter. Induction of Enzymes by Glucagon, Glucose Repression, and Adenosine 3',5'-Monophosphate Concentration during Carcinogenesis and in Morris 9618A Hepatoma.
- 1075 Tomoyuki Kitagawa and Henry C. Pitot. The Regulation of Serine Dehydratase and Glucose-6-phosphatase in Hyperplastic Nodules of Rat Liver during Diethylnitrosamine and N-2-Fluorenylacetamide Feeding.
- 1085 William M. Hryniuk. The Mechanism of Action of Methotrexate in Cultured L5178Y Leukemia Cells.
- 1093 J. W. Pearson, K. Perk, M. A. Chirigos, and J. A. Torgersen. Drug Therapy against a Transplantable Guinea Pig Leukemia.
- *1099 Bernard C. V. Mitchley, Sylvia A. Clarke, Thomas A. Connors, and A. Munro Neville. Hexamethylmelamine-induced Regression of Human Lung Tumors Growing in Immune Deprived Mice.
- 1103 Brief Communication:
 - **T. Tamaoki and G. A. LePage.** Inhibition of DNA Chain Growth by α -2'-Deoxythioguanosine.
- 1106 Special Announcement: Extension of the Annual Meeting of the American Association for Cancer Research, Inc.
- 1107 Announcements.