Contents

Asterisks preceding the title refer to studies in humans.

2143 Protein and Ribonucleic Acid Metabolism in Single-Cell Suspensions from Morris Hepatoma 5123tc and from Normal Rat Liver. Margot Schreiber, Gerhard Schreiber, and Jürgen Kartenbeck.


2159 Affinity Cytotoxicity of Tumor Cells with Antibody-Glucose Oxidase Conjugates, Peroxidase, and Arsenophenamine. Gordon W. Philpott, Richard J. Bower, Keith L. Parker, William T. Shearer, and Charles W. Parker.


2204 Incorporation of Arginine by Soluble Extracts of Ascites Tumor Cells and Regenerating Rat Liver. Yoriko Tanaka and Hideko Kaji.


2232 Methylmercaptopo-4-acetylaminostilbenes as Products of the Reaction of N-Acetoxy-4-acetylaminostilbene with Methionine and as Degradation Products of Liver Protein from Rats Given N-Hydroxy-4-acetylaminostilbene. Elizabeth C. Miller, Barbara W. Butler, T. Lloyd Fletcher, and James A. Miller.

2240 * Phase II Study of Concurrent Methotrexate and Bleomycin Chemotherapy. Jacob J. Lokich and Emil Frei, III.

2243 Cytofluorescence Localization of Adriamycin and Daunorubicin. Merrill J. Egorin, Robert C. Hildebrand, Eugene F. Cimino, and Nicholas R. Bachur.

2246 The Effect of 6-Mercaptopurine and Allopurinol on Granulopoiesis. Abdelsalam H. Ragab, Ellen Gilkerson, and Martha Myers.

2250 * Two Patterns of Neutral Steroid Conversion in the Feces of Normal North Americans. Tracy D. Wilkins and Abigail S. Hackman.

2255 Endogenous Type C Particles from Rat Embryo Cells Treated with 5-Bromodeoxyuridine. S. A. Schwartz, S. Fanem, E. Stefanski, and W. H. Kirsten.


2266 Relationships between the Carcinogenic and Mutagenic or DNA-modifying Effects of Nitrofurane Derivatives, Including 2-(2-Furyl)-3-(5-nitro-2-furyl)acrylamide, a Food Additive. Takie Yahagi, Minako Nagao, Kazuko Hara, Tajiro Matsushima, Takashi Sugimura, and George T. Bryan.


2283 Isozyme Patterns of Pyruvate Kinase in Various Primary Liver Tumors Induced during the Process of Hepatocarcinogenesis. Susumu Yanagi, Sachio Makiura, Masayuki...

Dependence of Specific Metabolism of Benzo-(a)pyrene on the Inducer of Hydroxylase Activity.

Ronald E. Rasmussen and Irene Y. Wang.

Metabolism of Rat \( \alpha_t \)-Fetoprotein.

Brian Colquhoun, Phil Gold, Winston Barzell, David D. Oakes, and Joseph Shuster.

A Comparison of Enzyme-active Membrane Antigens from Two Different 4-Dimethylaminoazobenzene-induced Rat Hepatomas with Those of Adult and Fetal Rat Liver.

M. Rafsell, F. Blomberg, and P. Perlmann.

*Lack of Increased Differentiation of Leukemic Cells in Response to Colony-stimulating Factor.* Alec Morley and David Higgs.

Errors in DNA Replication as a Basis of Malignant Changes.

Lawrence A. Loeb, Clark F. Springgate, and Narayana Battula.


Substrate Requirements and Kinetic Analysis of the Cortisol Effects on Uridine Uptake and Incorporation by Mouse Lymphoma P1798 Cells in Vitro.

John Stevens, Yee-Wan Stevens, and Vincent P. Hollander.

Further Studies on Mouse Fetal Antigen Cross-reactive with Rauscher Leukemia.

Akinori Ishimoto, Yumiko Suzuki, Toyoko Yoshida, and Yohei Ito.

Vascular Changes in Neuroblastoma of Mice following X-irradiation.


A Study of Respiration and Oxidative Phosphorylation of Mitochondria from Regenerating Liver of Normal and Diabetic Rats.

Sook Chong Choi and James C. Hall.*

*A Cytological Scale for Cervical Carcinogenesis.*

Elizabeth Stern, Alan B. Forsythe, Lee Youkeles, and Wilfrid J. Dixon.

Rabbit Antibodies to Nucleoli of Novikoff Hepatoma and Normal Liver of the Rat.

Rose K. Busch, Jerach Daskal, William H. Spohn, Miklos Kellermayer, and Harris Busch.

Colon Carcinogenesis in Germ-free Rats with 1,2-Dimethylhydrazine and \( N \)-Methyl-\( N' \)-nitro-\( N \)-nitrosoguanidine.


Responses of Cycling and Noncycling Cells to 1,3-Bis(2-chloroethyl)-1-nitrosourea and to Bleomycin.

George M. Hahn, Louise F. Gordon, and Stephanie D. Kurkjian.

Polyamine Depletion of the MTW9 Mammary Tumor and Subsequent Elevation of Spermidine in the Sera of Tumor-bearing Rats as a Biochemical Marker of Tumor Regression.


Polyamine Depletion of Tumor Tissue and Subsequent Elevation of Spermidine in the Sera of Rats with 3924A Hepatomas after 5-Fluorouracil Administration.


Peroxidatic Reaction of Catalase-antibody Complex of Leukocytes Demonstrated by Diaminobenzidine.

Edwin T. Nishimura and Carol Cooper.

The Induction of Alkaline Phosphatase Activity in HeLa Cells by 5-Iodo-2'-deoxyuridine.

Barry Gaz.

Stromal Nephromas and Renal Cell Tumors in Suckling and Weaned Rats.

James S. Campbell, G. Stuart Wiberg, Harold C. Grice, and Peter Lou.

*Cell Kinetics and Growth of Squamous Cell Carcinomas in Man.*

Francesco Bresciani, Renato Paoluzi, Marcello Benassi, Carlo Nervi, Carlo Casale, and Elio Ziparo.

Brief Communication:

*Transfer RNA Methylase Activity in Benign Human Ovarian Neoplasms.*

Bertram Sheid, Therese Lu, and James H. Nelson, Jr.

Letter to the Editor:

Role of Podophyllotoxin in the Bedding and Dietary Zearalenone on Incidence of Spontaneous Tumors in Laboratory Animals.

R. Schoental.

Special Announcement: Annual Meeting of the American Association for Cancer Research, Inc.

Announcements.

Erratum.