Contents

Asterisks preceding page numbers refer to human studies.


4250 Inhibition of l-Fucose Incorporation into Glycoprotein of Sarcoma 180 Ascites Cells by 6-Thioguanine. John Stephen Lazo, Kou M. Hwang, and Alan C. Sartorelli.


4261 Tissue Changes Resulting from the Injection of γ-Irradiated Cells into the Gynogenetic Teleost, Poecilia formosa. A. D. Woodhead, R. B. Setlow, and R. W. Hart.

*4267 Surface Antigenic Characteristics of Human Glial Brain Tumor Cells. Carol J. Wikstrand, Moses S. Mahaley, and Darell D. Bigner.


4291 Separation of Cells from Mouse Solid Tumors by Centrifugal Elutriation. Marvin L. Meistrich, David J. Grdina, Raymond E. Meyn, and Barthel Barlogie.

4297 Therapeutic Relevance of Differences in the Structural Specificity of the Transport Systems for Folate Analog L1210 Tumor Cells and in Isolated Murine Intestinal Epithelial Cells. Paul L. Chello, Francis M. Sirotnak, Diane M. Dorick, and Ruth C. Donsbach.

4304 Carcinogen-Protein Complexes in Liver during Hepatocarcinogenesis by Aflatoxin B1. Kumar D. Mainigi and Sam Sorof.


*4332 Rosette Formation and Inhibition in Cervical Dysplasia and Carcinoma in Situ. Shoichi Sawanobori, Robert B. Ashman, André J. Nahmias, Benedict B. Benigno, and Mariano F. LaVia.


4352 Morphogenesis of Early 1,2-Dimethylhydrazine-induced Lesions and Latent Period Reduction of
Colon Carcinogenesis in Mice by a Variant of *Citrobacter freundii*. Stephen W. Barthold and Albert M. Jonas.

4361 Kinetics of Cell Proliferation and Polyamine Synthesis during Ehrlich Ascites Tumor Growth. Gunnar Andersson and Olle Heby.

4367 Cellular Attachment to Implanted Foreign Bodies in Relation to Tumorigenesis. Donald J. Ferguson.


4378 Influence of Phenobarbital on Microsphere Production by Urethan in Mouse Hepatocyte Nucleoli. Luciano Lombardi.

4382 Effects of 6-Azauridine on Nucleotides, Orotic Acid, and Orotidine in L5178Y Mouse Lymphoma Cells in Vitro. Claude M. Janeway and Sungman Cha.


4395 Membranous Effects on Adenosine Triphosphatase Activities of Mitochondria from Rat Liver and Morris Hepatoma 3924A. Ronald L. Melnick, Richard M. Hanson, and Harold P. Morris.

4400 Correlation of DNA Distribution Abnormalities with Cytogenetic Findings in Human Adult Leukemia and Lymphoma. Barthel Barlogie, Walter Hittelman, Gary Spitzer, José M. Trujillo, Jacqueline S. Hart, Leslie Smallwood, and Benjamin Drewinko.


4416 Enhanced Induction of Immune Resistance by Concanavalin A-bound L1210 Vaccine and an Immunopotentiator Prepared from *Coriolus versicolor*. Tateshi Katoaka, Fujiko Oh-hashii, Shigeru Tsukagoshi, and Yoshio Sakurai.


4423 Inhibition of Surface Immunoglobulin Central Capping of Daudi Cells and Cell Spreading of HeLa-S3 Cells by Neocarzinostatin. Takusaburo Ebina, Masanobu Satake, and Nakao Ishida.

4430 2,3-Dihydro-2-(guan-7-yl)-3-hydroxy-aflatoxin B₁, a Major Acid Hydrolysis Product of Aflatoxin B₁-DNA or -Ribosomal RNA Adducts Formed in Hepatic Microsome-mediated Reactions and in Rat Liver in Vivo. Jen-Kun Lin, James A. Miller, and Elizabeth C. Miller.


*4449 Tumor-associated Immunoglobulins in Pulmonary Carcinoma. Bruno Gerstl, Lawrence F. Eng, and John W. Bigbee.

4456 Long-Term Effects of Prenatal and Neonatal Administration of 5β-Dihydrotestosterone on Normal and Neoplastic Mammary Development in Mice. Reiko Yanai, Takao Mori, and Hiroshi Nagasawa.

4460 Damage and Repair of DNA in Cultured Mammalian Cells with N-Diazoacetylglycine Amide. Silvio Parodi, Claudia Bolognesi, Marco Cavanna, Robert L. Pollack, Leonardo Santi, and Giovanni Brambilla.


4493 Adenylylate Cyclase, Cyclic Adenosine 3':5'-Monophosphate Phosphodiesterase, and Regression of Walker 256 Mammary Carcinoma. Yoon Sang Cho-Chung and Susanne F. Newcomer.

4500 Modifications of 3'-Methyl-4-dimethylaminobenzene Carcinogenesis of Rat Liver and Carcinogen Metabolism by Portacaval Anastomosis.
Jean-Baptiste Ricco, Dominique Franco, Joelle Morin, Françoise Decloître, and Henri Bismuth.

**4506** Duration of the Dormant State in an Established Cell Line of Human Hematopoietic Cells. Bayard D. Clarkson, Jerrold Fried, Ting-Chao Chou, Annabel Strife, Ronald Ferguson, Susan Sullivan, Takeshi Kitahara, and Atsushi Oyama.


**4532** Inhibition of Concanavalin A Stimulation of Feline Lymphocytes by Inactivated Feline Leukemia Virus. Lynn C. Hebebrand, Lawrence E. Mathes, and Richard G. Olsen.


**4539** Localization and Therapeutic Potential of Tritiated Tetracycline in Rodent Tumors. Richard C. Davis, Paula Wood, and Mortimer L. Mendelsohn.


**4572** In Vivo Formation of N-Nitroso Compounds and Detection of Their Mutagenic Activity in the Host-mediated Assay. Rolf Braun, Jörg Schöneich, and Dieter Ziebarth.

**4580** Effect of Sequence of Administration of Methotrexate, Leucovorin, and 5-Fluorouracil on Mammary Tumor Growth and Survival in Syngeneic C3H Mice. G. H. Heppner and P. Calabresi.


**4590** An Apparent Inactivation of Initiated Cells by the Potent Inhibitor of Two-Stage Mouse Skin Tumorgenesis, Bis(2-chloroethyl)sulfide. Lawrence M. De Young, R. A. Mufson, and R. K. Boutwell.

**4595** Improved Growth of In Vitro Colonies in Human Acute Leukemia Using the Feeding Culture Method. Chan H. Park, Michael A. Savin, Barth Hoogstraten, Mammo Amare, and Peter Hathaway.


**4608** Comparative Epidemiology of Tobacco-related Cancers. Ernst L. Wynder and Steven D. Stellman.

**4623** A Phase 1 and 2 Trial of Rubidazone in Patients with Acute Leukemia. Robert S. Benjamin, Michael J. Keating, Kenneth B. McCredie, Gerald P. Bodey, and Emil J Freireich.

**4629** Decreased Retention of Actinomycin D as the Basis for Cross-Resistance in Anthracycline-resistant Sublines of P388 Leukemia. Makoto Inaba and Randall K. Johnson.

**4635** Cell Cycle-Related Changes in Nuclear Chromatin of Stimulated Lymphocytes as Measured by Flow Cytometry. Zbigniew Darzynkiewicz, Frank Traganos, Thomas K. Sharpless, and Myron R. Melamed.

**4641** Effect of Insulin and Estrogen on Hormone Binding in the R3230AC Mammary Adenocarcinoma. Samir M. Shafie, Scott L. Gibson, and Russell Hilf.


**4660** In Vitro Immunization against Human Tumor Cells with Tumor Cell Fractions. Brahma Sharma.
