The Official Organ of the American Association for Cancer Research, Inc.

Contents

Asterisks preceding the title refer to studies in humans.

2209 Synergistic Effects of Diethylnitrosamine and Different Dusts on Respiratory Carcinogenesis in Hamsters.
Frej G. Stenbäck, Alessandro Ferrerò, and Philippe Shubik.

2215 * 5'-Nucleotide Phosphodiesterase Isoenzyme Pattern in the Serum of Human Hepatoma.
K. C. Tsou, S. Ledis, and M. G. McCoy.

2218 * A Phase 2 Study of Intermittent High-Dose Cyclophosphamide Therapy of Advanced Gastrointestinal Cancer.

2221 Ultrastructural and Biochemical Changes Induced in Mouse Epidermis by a Hyperplastic Agent, Ethylphenylpropiolate.
Alberto N. Raick and Krystyna Burdzy.

2223 Protective Effects of Thymidine, 5-Aminoimidazolecarboxamide, and Riboflavin against Fetal Abnormalities Produced in Rats by 5-(3,3-Dimethyl-1-triazeno)imidazole-4-carboxamide.
Shakuntala Chauhe.

2241 Organ-specific Differences in the Methylation of Transfer RNA in Vitro.
Phoebe S. Leboy and Pamela Piester.

2247 The Stimulatory Effect of Tumor Bearing upon the T- and B-Cell Subpopulations of the Mouse Spleen.
Susumu Konda, Yoshinobu Nakao, and Richard T. Smith.

2257 Comparison of Cell Coat Acid Mucopolysaccharides of Normal Liver and Various Ascites Hepatoma Cells.
Kiyotaka Yamamoto and Hiroshi Terayama.

2265 Guanosine Anabolism for Biosynthesis of Nucleic Acids in Novikoff Ascites Rat Tumor Cells in Culture.
Martin Schaffer, Robert B. Hurlbert, and Antonio Oreno.

2273 An Oncogenic Virus Carried by Hamster Kidney Cells.

2278 Ultrastructure of Sarcoma 180.
Claudio Zuckerberg.

2283 The Effect of pH on the Morphology, Electrophoretic Mobility, and Infectivity of the Mouse Mammary Tumor Virus.
Nurul H. Sarkar, Dan H. Moore, and Jesse Charnley.

2291 Virus Morphogenesis in a Mouse Lymphoma.

2300 * Ultrastructural Studies on Human Myeloma Plasmacytes.
Karel Smetana, Ferenc Gyorkey, Phyllis Gyorkey, and Harris Busch.

2310 Effects of the Antineoplastic Alkaloid Acronycin on Nucleoside Uptake and Incorporation into Nucleic Acids by Cultured L5178Y Cells.
Bruce P. Dunn, Peter W. Gout, and Charles T. Beer.

2320 Effects of the Antineoplastic Alkaloid Acronycin on the Ultrastructure and Growth Patterns of Cultured Cells.
Ping Tan and Nelly Auersperg.

2330 Influence of Apurinic Acid on Programmed Synthesis in Different in Vitro Systems.

2338 Regression of Transplantable Immunoglobulin-secreting Rat Tumors by Irradiation and Chemotherapy and Induction of Transplantation Resistance.
C. Deckers, L. Deckers-Passau, and F. de Halleux.

2343 Proliferation Kinetics of Density-inhibited Cultures of Human Cells, a Complex in Vitro Cell System.
George F. Zinninger and John B. Little.

2349 Inhibition of Growth of Ehrlich Tumors in Swiss Mice by Diphtheria Toxin.
Silvio Buzzi and Italo Maistrello.

2354 Oxidative Activation of Benz[a]anthracene and Methylated Derivatives on Mutagenesis and Carcinogenesis.
O. G. Fahmy and Myrtle J. Fahmy.

2362 Specificity, Cross-reactivity, and Affinity of 125I-Labeled Antiglioma Antibodies for Monolayers of Cultured Glioma Cells.
Eugene D. Day and Darell D. Bigner.

2373 * Impaired Responsiveness of Lymphocytes and Serum-inhibitory Factors in Patients with Cancer.
Nicole Suciu-Foca, Joseph Buda, James McManus, Traute Thieme, and Keith Reemtsma.

2378 Isolation of the Hydrocarbon-Deoxyribonucleoside Products from the DNA of Mouse Embryo Cells Treated in Culture with 7-Methylbenz[a]anthracene-3H.
William M. Baird and Peter Brookes.

2386 Studies on the Formation of Hydrocarbon-Deoxyribonucleoside Products by the Binding
of Derivatives of 7-Methylbenz[a]anthracene to DNA in Aqueous Solution and in Mouse Embryo Cells in Culture. 
William M. Baird, Anthony Dipple, Philip L. Grover, Peter Sims, and Peter Brookes.

Physiological Disposition of 1-Acetyl-2-picolinoylhydrazine (NSC 68626) in Rats Bearing Walker Carcinosarcoma 256. 
Lakshmi C. Mishra and J. A. R. Mead.

Stimulation of Oligodeoxyribonucleotide Synthesis by Cytoplasmic Factors in the Isolated Nuclei of Leukemic Cells. 
Emil K. Schandl.

Incorporation of 2-Deoxy-D-glucose into Glycoproteins of Normal and Simian Virus 40-transformed Hamster Cells. 
Sheldon Steiner, Richard J. Courtney, and Joseph L. Melnick.

Tissue Culture and Animal Studies with an Oncolytic Bovine Enterovirus (Bovine Enterovirus 1). 
M. E. Hodes, S. Morgan, J. D. Hubbard, P.-L. Yu, and J. W. Lukemeyer.

Studies of the Cell Population Kinetics of Induced and Transplanted Mammary Adenocarcinoma in Rats. 
L. Simpson-Herren and D. P. Griswold, Jr.

Purine Nucleotide Metabolism and Nucleotide Pool Sizes in Synchronized Lymphoma L5178Y Cells. 

The Protective Effect of Estradiol-17β against Polycyclic Hydrocarbon Cytotoxicity. 
Arthur G. Schwartz.

Urethane-induced Pulmonary Adenoma as a Tool for the Study of Surfactant Biosynthesis. 
Cathy Snyder, Boyd Malone, Paul Nettesheim, and Fred Snyder.

Caffeine Inhibition of Postreplication Repair of N-Acetoxy-2-acetylaminofluorene-damaged DNA in Chinese Hamster Cells. 
James E. Trosko, Phyllis Frank, Ernest H. Y. Chu, and Joyce E. Becker.

Carcinogenicity of Phenols, Alkylating Agents. Urethan, and a Cigarette-Smoke Fraction in Nicotiana Seedlings. 
Roger A. Andersen.

Genetic Factors in Chronic Remittent Friend Disease. 
Peter J. Dawson and A. Howard Fieldsteel.

Antitumor Activity of N6-Phenyladenosine, an Inhibitor of Adenosine Utilization, in Combination with Related Purine Analogs. 
G. B. Grindey, A. Y. Divekar, and M. T. Hakala.

Competitive DNA-RNA Hybridization of Micromosomal and Nuclear RNA in Normal Tissues of the Rat. 
Carleton T. Garrett, Robert E. Moore, Carol Katz, and Henry C. Pitot.

Competitive DNA-RNA Hybridization of Nuclear and Micromosomal RNA in Normal, Neoplastic, and Neonatal Liver Tissue. 
Carleton T. Garrett, Robert E. Moore, Carol Katz, and Henry C. Pitot.

Electron Microscopic Study of Lymphatic Tissues of Mice Inoculated with a Leukogenenic Extract from Radiation-induced Tumors. 
P. Ricciardi-Castagnoli, J. M. Jadin, and J. R. Maisin.

Mammary Carcinogenesis in the Rat by Topical Application of Fluorenylhydroxamic Acids. 

Acute Changes in the Surface Morphology of Hamster Tracheobronchial Epithelium following Benzo(a)pyrene and Ferric Oxide Administration. 
Curtis D. Port, Mary C. Henry, David G. Kaufman, Curtis C. Harris, and Kathleen V. Ketels.

Collagenolytic Activity in Malignant Melanoma: Physicochemical Studies. 
Yuji Yamanishi, Edgar Maeyens, Mustafa Kh. Dabbous, Hideo Ohyama, and Ken Hashimoto.

Transfer RNA Methylases and Transfer RNA-methylated Bases of Polyoma Virus-transformed and Spontaneously Transformed Mouse Culture Cells. 
Stephen E. Wright, Robert E. Gallagher, Robert C. Ting, and Robert C. Gallo.

Transfer RNA Methylease and Transfer RNA-Methylase-Inhibitor Activity in Normal and Malignant Human Ovarian Tissue. 
Bertrum Sheid, Therese Lu, and James H. Nelson, Jr.

Expression of Tumor-specific Antigens in Mouse Somatic Cell Hybrids. 
Jacques Jami and Evelyne Ritz.

Brief Communication: 

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

Announcements.

Erratum.