



Cancer Research

The Official Organ of the American Association for Cancer Research

Volume 34 / Number 9 / September 1974

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.
- 2151** Effect of Vitamin A Alcohol on the Surface Coat and Charges of L1210 Leukemic Cells.
D. Brandes, T. Sato, H. Ueda, and J. O. Rundell.
- 2159** Affinity Cytotoxicity of Tumor Cells with Antibody-Glucose Oxidase Conjugates, Peroxidase, and Arsphenamine.
Gordon W. Philpott, Richard J. Bower, Keith L. Parker, William T. Shearer, and Charles W. Parker.
- 2165** Study of the Cellular Immune Response to Gross Virus-induced Lymphoma by the Mixed Lymphocyte-Tumor Interaction.
M. Glaser, R. B. Herberman, H. Kirchner, and J. Y. Djeu.
- 2172** Changes in Secretory Cells during Early Stages of Experimental Carcinogenesis in the Rat Submandibular Gland.
Sun-Kee Kim, Herbert H. Spencer, Lee Weatherbee, and Carlos E. Nasjleti.
- 2184** Mammary Carcinogenesis in Foster-nursed X/Gf Mice.
Anna Goldfeder and Ajit K. Ghosh.
- 2192** Enhancement of 7,12-Dimethylbenzanthracene Skin Carcinogenesis by Adenosine 3',5'-Cyclic Monophosphate.
Gary L. Curtis, Frej Stenback, and Wayne L. Ryan.
- 2196** The Preparation of Microsomal Fractions of Rodent Respiratory Tract and Their Characterization.
T. Matsubara, R. A. Prough, M. D. Burke, and R. W. Estabrook.
- 2204** Incorporation of Arginine by Soluble Extracts of Ascites Tumor Cells and Regenerating Rat Liver.
Yoriko Tanaka and Hideko Kaji.
- 2209** A Comparative Study of Rat Liver, Muscle, and Hepatoma 3924A Phosphofructokinase Isozymes.
George A. Dunaway, Jr., Harold P. Morris, and George Weber.
- 2217** An Analysis of the Changing Urethan Response of the Developing Mouse Embryo in Relation to Mortality, Malformation, and Neoplasm.
Taisei Nomura.
- 2232** Methylmercapto-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. Panem, E. Stefanski, and W. H. Kirsten.
- 2260** 5-Azacytidine-modified Patterns of Uridine Kinase Activities in Normal and Neoplastic Tissues.
Robert C. Keefer, Harold P. Morris, and Thomas E. Webb.
- 2266** Relationships between the Carcinogenic and Mutagenic or DNA-modifying Effects of Nitro-furan Derivatives, Including 2-(2-Furyl)-3-(5-nitro-2-furyl)acrylamide, a Food Additive.
Takie Yahagi, Minako Nagao, Kazuko Hara, Taijiro Matsushima, Takashi Sugimura, and George T. Bryan.
- 2274** Syntheses, Toxicities, and Carcinogenicities of Carcinogenic Bifunctional Aminoazo Dyes.
Jen-Kun Lin and Jeng-Ren Wu.
- 2283** Isozyme Patterns of Pyruvate Kinase in Various Primary Liver Tumors Induced during the Process of Hepatocarcinogenesis.
Susumu Yanagi, Sachio Makiura, Masayuki

- Arai, Kazutaka Matsumura, Kazuya Hirao, Nobuyuki Ito, and Takehiko Tanaka.*
- 2290** Dependence of Specific Metabolism of Benzo-(a)pyrene on the Inducer of Hydroxylase Activity.
Ronald E. Rasmussen and Irene Y. Wang.
- 2296** Metabolism of Rat α_1 -Fetoprotein.
Brian Colquhoun, Phil Gold, Winston Barzell, David D. Oakes, and Joseph Shuster.
- 2300** A Comparison of Enzyme-active Membrane Antigens from Two Different 4-Dimethylaminoazobenzene-induced Rat Hepatomas with Those of Adult and Fetal Rat Liver.
M. Raftell, F. Blomberg, and P. Perlmann.
- 2307** * Lack of Increased Differentiation of Leukemic Cells in Response to Colony-stimulating Factor.
Alec Morley and David Higgs.
- 2311** Errors in DNA Replication as a Basis of Malignant Changes.
Lawrence A. Loeb, Clark F. Springgate, and Narayana Battula.
- 2322** * Evidence in Favor of the Existence of Human Breast Cancer Virus.
Dan H. Moore.
- 2330** 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.
- 2338** Further Studies on Mouse Fetal Antigen Cross-reactive with Rauscher Leukemia.
Akinori Ishimoto, Yumiko Suzuki, Toyoko Yoshida, and Yohei Ito.
- 2344** Vascular Changes in Neuroblastoma of Mice following X-irradiation.
Chang W. Song, Joo H. Sung, Jacob J. Clement, and Seymour H. Levitt.
- 2351** A Study of Respiration and Oxidative Phosphorylation of Mitochondria from Regenerating Liver of Normal and Diabetic Rats.
Sook Chong Choi and James C. Hall.
- 2358** * A Cytological Scale for Cervical Carcinogenesis.
Elizabeth Stern, Alan B. Forsythe, Lee Youkeles, and Wilfrid J. Dixon.
- 2362** Rabbit Antibodies to Nucleoli of Novikoff Hepatoma and Normal Liver of the Rat.
Rose K. Busch, Ierach Daskal, William H. Spohn, Miklos Kellermayer, and Harris Busch.
- 2368** Colon Carcinogenesis in Germ-free Rats with 1,2-Dimethylhydrazine and *N*-Methyl-*N'*-nitro-*N*-nitrosoguanidine.
Bandaru S. Reddy, J. H. Weisburger, Tomio Narisawa, and E. L. Wynder.
- 2373** 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.
- 2378** 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.
Diane H. Russell, Pietro M. Gullino, Laurence J. Marton, and Stephen M. LeGendre.
- 2382** Polyamine Depletion of Tumor Tissue and Subsequent Elevation of Spermidine in the Sera of Rats with 3924A Hepatomas after 5-Fluorouracil Administration.
Diane H. Russell, William B. Looney, Charles J. Kovacs, Harold A. Hopkins, Laurence J. Marton, Stephen M. LeGendre, and Harold P. Morris.
- 2386** Peroxidatic Reaction of Catalase-Antibody Complex of Leukocytes Demonstrated by Diaminobenzidine.
Edwin T. Nishimura and Carol Cooper.
- 2393** The Induction of Alkaline Phosphatase Activity in HeLa Cells by 5-Iodo-2'-deoxyuridine.
Barry Goz.
- 2399** Stromal Nephromas and Renal Cell Tumors in Suckling and Weaned Rats.
James S. Campbell, G. Stuart Wiberg, Harold C. Grice, and Peter Lou.
- 2405** * Cell Kinetics and Growth of Squamous Cell Carcinomas in Man.
Francesco Bresciani, Renato Paoluzi, Marcello Benassi, Carlo Nervi, Carlo Casale, and Elio Ziparo.
- 2416** Brief Communication:
* Transfer RNA Methylase Activity in Benign Human Ovarian Neoplasms.
Bertrum Sheid, Therese Lu, and James H. Nelson, Jr.
- 2419** Letter to the Editor:
Role of Podophyllotoxin in the Bedding and Dietary Zearalenone on Incidence of Spontaneous Tumors in Laboratory Animals.
R. Schoental.
- 2421** Special Announcement: Annual Meeting of the American Association for Cancer Research, Inc.
- 2422** Announcements.
- 2423** Erratum.

Cancer Research

The Journal of Cancer Research (1916–1930) | The American Journal of Cancer (1931–1940)

34 (9)

Cancer Res 1974;34:2143-2423.

Updated version Access the most recent version of this article at:
<http://cancerres.aacrjournals.org/content/34/9.citation>

E-mail alerts [Sign up to receive free email-alerts](#) related to this article or journal.

Reprints and Subscriptions To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions To request permission to re-use all or part of this article, use this link <http://cancerres.aacrjournals.org/content/34/9.citation>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.