



Cancer Research

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

Contents

Volume 32 / Number 11 / November 1972

- 2277 Mitochondrial Thymidine-Deoxyuridine-phosphorylating Activity and the Replication of Mitochondrial DNA.
Saul Kit and Yoshiichi Minekawa.
- 2289 Aflatoxin B₁, a Hepatocarcinogen in the Infant Mouse.
S. D. Vesselinovitch, N. Mihailovich, G. N. Wogan, L. S. Lombard, and K. V. N. Rao.
- 2292 Detection of Endotoxin in Commercial L-Asparaginase Preparations by Complement Fixation and Separation by Chromatography.
M. Loos, S. Vadlamudi, M. Meltzer, S. Shifrin, T. Borsos, and A. Goldin.
- 2297 Metabolism of Aflatoxin B₁ in Rhesus Monkeys.
J. I. Dalezios and G. N. Wogan.
- 2304 The Accelerating Effect of Heat-denatured Isogenic Spontaneous Mammary Tumor Cells on Spontaneous Tumor Incidence in Female C3H Mice and the Effect of Time of Injection.
Toshikazu Nakata.
- 2307 A Multienzyme Complex in Serum of Hepatic Cancer.
Kiyoko Shinkai and Hitoshi Akedo.
- 2314 Regulated Transport of Ribosomal Subunits from Regenerating Rat Liver Nuclei in a Cell-free System.
Ling C. Yu, Janis Racevskis, and Thomas E. Webb.
- 2322 A Comparison of Polypyrimidine Fragments in 28 S Ribosomal RNA from Rat Liver and the Novikoff Ascites Hepatoma.
Ross N. Nazar and Harris Busch.
- 2333 Presence of Antibody against Mouse Fetal Antigen in the Sera from C57BL/6 Mice Immunized with Rauscher Leukemia.
Akinori Ishimoto and Yohei Ito.
- 2338 Hormonal Modification of Adenovirus Transformation of Hamster Cells *in Vitro*.
George E. Milo, Jr., Joseph P. Schaller, and David S. Yohn.
- 2348 Transcriptional Transformation of Walker Tumor Chromatin by Nonhistone Proteins.
Nina C. Kostraba and T. Y. Wang.
- 2353 Appearance of Abnormal Catalase Antigen and Concurrent Deletion of Normal Antigen in Leukocytes of Myelogenous Leukemia.
Edwin T. Nishimura, Y. Hokama, and Robert Jim.
- 2359 The Purification and Characterization of Liver Glyoxalase I from Normal Mice and from Mice Bearing a Lymphosarcoma.
Robert A. Strzinek, Vernon E. Scholes, and Scott J. Norton.
- 2365 Heterotransplantation of a Human Breast Carcinoma Cell Line.
Etienne Y. Lasfargues, William G. Coutinho, and Dan H. Moore.
- 2369 Sensitivity of Repair-deficient Mutants and Similar Mutants to 4-Nitroquinoline 1-Oxide, 4-Nitropyridine 1-Oxide, and Their Derivatives.
Minako Nagao and Takashi Sugimura.
- 2375 The Quinacrine Fluorescent and Giemsa Banding Karyotype of the Rat, *Rattus norvegicus*, and Banded Chromosome Analysis of Transformed and Malignant Rat Liver Cell Lines.
Dorothy A. Miller, Vaithilingam G. Dev, Carmia Borek, and Orlando J. Miller.
- 2383 Ultrastructural and Histochemical Observations on a Transplantable Reticuloendothelial Tumor in Rats.
T. Gillman and R. C. Hallows.
- 2393 Ultrastructural Changes in Rat Livers Induced by Repeated Injections of Trypan Blue.
T. Gillman and R. C. Hallows.
- 2400 Effects of L-Asparaginase on Lymphocyte Surface and Blastogenesis.
Isaiah J. Fidler and Paul C. Montgomery.
- 2407 Growth of Normal Human Mammary Gland Epithelium *in Vitro*.
B. Allen Flaxman and Eugene J. Van Scott.
- 2413 A Radioimmunoassay for Placental-type Alkaline Phosphatase.
Ben Jacoby and K. D. Bagshawe.
- 2421 Host Immunity to a Growing Transplanted Methylcholanthrene-induced Guinea Pig Sarcoma.
Alfred M. Cohen, Roger C. Millar, and Alfred S. Ketcham.
- 2427 Factors Related to Therapeutic Efficacy in Adoptive Chemoimmunotherapy of a Friend Virus-induced Lymphoma.
Leroy Fass and Alexander Fefer.
- 2432 A Comparative Study of 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (NSC 79037) and Imidazole Carboxamide (NSC 45388) with Vincristine (NSC 67574) in the Palliation of Disseminated Malignant Melanoma.
David L. Ahmann, Richard G. Hahn, and Harry F. Bisel.

- 2435** Biochemical and Cytogenetic Characterization of Rat Hepatoma Cell Lines *in Vitro*.
C. DeLuca, E. J. Massaro, and M. M. Cohen.
- 2441** 5'-Nucleotides as Potential Formulations for Administering Nucleoside Analogs in Man.
G. A. LePage, Y.-T. Lin, R. E. Orth, and J. A. Gottlieb.
- 2445** Characterization of the Kinase(s) Involved in the Phosphorylation of α - and β -2'-Deoxythioguanosine.
Yushi Nakai and Gerald A. LePage.
- 2452** Analysis of Variations in the Cell Population Kinetics with Tumor Age in the L1210 Ascites Tumor.
P. Dombrowsky and N. R. Hartmann.
- 2459** Effects of Methotrexate and Cytosine Arabinoside on Polyamine Metabolism in a Mouse L1210 Leukemia.
Diane H. Russell.
- 2463** Receptor Sites for Concanavalin A on Human Peripheral Lymphocytes and on Lymphoblasts Grown in Long-Term Culture.
Louis De Salle, Nobuo Munakata, Richard M. Pauli, and Bernard S. Strauss.
- 2469** Effects of Protease Inhibitors on Growth of Hamster Tumor Cells in Culture.
Ingeburg E. Goetz, Constance Weinstein, and Eugene Roberts.
- 2475** Alkaline Phosphatase Activity in Spontaneous and Induced Leukemias in SJL/J Mice.
N. Haran-Ghera, R. Hauch-Granoth, and H. Neumann.
- 2481** Ribonuclease-sensitive Endogenous DNA Polymerase Activity and DNA-directed DNA Polymerase in Human Tissue Culture Cell Lines.
B. I. Sahai Srivastava and J. Minowada.
- 2487** Selective Inhibition of Nucleoplasmic Rat Liver DNA-dependent RNA Polymerase by Aflatoxin B₁.
F. C. Saunders, E. A. Barker, and E. A. Smuckler.
- 2495** Ultrastructural Changes Inducible with the Plant Alkaloid Camptothecin.
Louis Recher, Hilary Chan, Letty Briggs, and Nikko Parry.
- 2502** Focal Loss of Ribonuclease Activity in Preneoplastic Rat Liver.
R. Daoust.
- 2510** Differences in Synthesis and Degradation of Serum Proteins in Normal and Hepatoma-bearing Animals.
P. Ove, M. L. Coetzee, J. Chen, and H. P. Morris.
- 2519** Isophosphamide as a New Acrolein-producing Antineoplastic Isomer of Cyclophosphamide.
R. A. Alarcon, J. Meienhofer, and E. Atherton.
- 2524** Lymphocyte Blastogenesis to Human Leukemia Cells and Their Relationship to Serum Factors, Immunocompetence, and Prognosis.
Jordan U. Gutterman, Evan M. Hersh, Kenneth B. McCredie, Gerald P. Bodey, Sr., Victorio Rodriguez, and Emil J. Freireich.
- 2530** Changes in Sarcoma 180 Cells Associated with Drug-induced Resistance to Adenosine Analogs.
A. Y. Divekar, M. H. Fleysler, H. K. Slocum, L. N. Kenny, and M. T. Hakala.
- 2538** Cell Cycle Phase Specificity and Biochemical Effects of Ellipticine on Mammalian Cells.
B. K. Bhuyan, T. J. Fraser, and L. H. Li.
- 2545** Immune Status of Autochthonous and Adoptively Protected Mice toward Spontaneous and Chemically Induced Tumors.
Miguel Angel Basombrío and Richmond T. Prehn.
- 2551** Effect of Collagenolytic Activity in Basal Cell Epithelioma of the Skin on Reconstituted Collagen and Physical Properties and Kinetics of the Crude Enzyme.
Yuji Yamanishi, Mustafa K. Dabbous, and Ken Hashimoto.
- 2561** Electron Microscopic Observations of Collagenolytic Activity of Basal Cell Epithelioma of the Skin *in Vivo* and *in Vitro*.
Ken Hashimoto, Yuji Yamanishi, and Mustafa K. Dabbous.
- 2568** Preparation of Single-Cell Suspensions from Normal Liver, Regenerating Liver, and Morris Hepatomas 9121 and 5123tc.
Matthias Müller, Margot Schreiber, Jürgen Kartenbeck, and Gerhard Schreiber.
- 2577** Growth Kinetics of Diethylnitrosamine-induced, Enzyme-deficient "Preneoplastic" Liver Cell Populations *in Vivo* and *in Vitro*.
Hartmut M. Rabes, Peter Scholze, and Barbara Jantsch.
- 2587** Letter to the Editor:
Radiation-resistant Tumor Cells May Be More Sensitive *in Vitro*.
Ralph E. Durand and Robert M. Sutherland.
- 2589** Special Announcement: Annual Meeting of the American Association for Cancer Research, Inc.
- 2590** Announcements.

Cancer Research

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

32 (11)

Cancer Res 1972;32:2277-2591.

Updated version Access the most recent version of this article at:
<http://cancerres.aacrjournals.org/content/32/11.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/32/11.citation>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.