



Cancer Research

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

Volume 36 / Number 11 / Part 1 / November 1976

Contents

Asterisks preceding page numbers refer to human studies.

- 3863** Hodgkin's Disease and Other Human Malignant Lymphomas: Advances and Prospects—G. H. A. Clowes Memorial Lecture. **Henry S. Kaplan.**
- 3879** The Resistance of Putative Premalignant Liver Cell Populations, Hyperplastic Nodules, to the Acute Cytotoxic Effects of Some Hepatocarcinogens. **Emmanuel Farber, Sally Parker, and Margot Gruenstein.**
- 3888** A Relative Deficiency of Cytochrome P-450 and Aryl Hydrocarbon [Benzo(a)pyrene] Hydroxylase in Hyperplastic Nodules Induced by 2-Acetylaminofluorene in Rat Liver. **Ross Cameron, George D. Sweeney, Ken Jones, George Lee, and Emmanuel Farber.**
- 3894** Virus-infected Avian Cell Lines Established *in Vitro*. **Alphonse J. Langlois, Ryotaro Ishizaki, George S. Beaudreau, John F. Kummer, J. W. Beard, and Dani P. Bolognesi.**
- 3905** Carbohydrate Compositions of Normal, Spontaneously Transformed, and Virally Transformed Cells Derived from BALB/c Mice. **William J. Grimes and Sonya Greigor.**
- * **3911** Combination *versus* Sequential Five-Drug Chemotherapy in Metastatic Carcinoma of the Breast. **Richard V. Smalley, Scott Murphy, Charles M. Huguley, Jr., and Alfred A. Bartolucci (for the Southeastern Cancer Study Group).**
- 3917** Metabolism and Metabolic Effects of 8-Azainosine and 8-Azaadenosine. **L. Lee Bennett, Jr., and Paula W. Allan.**
- 3924** Malignant Transformation and Viral Replication of Rat Bone and Muscle Cells after *in Vitro* Infection with Rat-adapted Murine Sarcoma Virus (Moloney). **Kyoko Kano-Tanaka, Tatsuya Tanaka, Makito Emura, and Takamasa Hanaichi.**
- 3936** Tumor-caused Changes in Host Protein Synthesis under Different Dietary Situations. **T. P. Stein, J. C. Oram-Smith, M. J. Leskiw, H. W. Wallace, and E. E. Miller.**
- 3941** Prolactin Receptors in 7,12-Dimethylbenz(a)anthracene-induced Mammary Tumors following Endocrine Ablation. **Mark E. Costlow, Robert A. Buschow, and William L. McGuire.**
- * **3944** Selective Lethal Effect of Supranormal Temperatures on Human Neoplastic Cells. **Beppino C. Giovanella, John S. Stehlin, Jr., and Alton C. Morgan.**
- 3951** Molecular Structure of Benzo(a)pyrene 4,5-oxide. **Jenny P. Glusker, David E. Zacharias, H. L. Carrell, Peter P. Fu, and Ronald G. Harvey.**
- * **3958** Cyclic Adenosine 3':5'-Monophosphate Phosphodiesterase Activity in Normal and Chronic Lymphocytic Leukemia Lymphocytes. **N. S. Scher, F. Quagliata, V. G. Malathi, D. Faig, R. A. Melton, and R. Silber.**
- 3963** Histogenetic and Morphological *in Vivo* and *in Vitro* Data Concerning Androgen-Estrogen-induced Scent Gland Tumor in the Syrian Hamster. **Alice H. Dodge, Hadley Kirkman, Lucien J. Rubinstein, and Gerald M. Connell.**
- 3973** Carcinogenic Activity of a Chlorinated Polyether Polyurethan. **J. Autian, A. R. Singh, J. E. Turner, G. W. C. Hung, L. J. Nunez, and W. H. Lawrence.**
- * **3978** Establishment of a Cell Line (Co-115) from a Human Colon Carcinoma Transplanted into Nude Mice. **S. Carrel, B. Sordat, and C. Merenda.**
- 3985** Histogenesis and Morphology of Periosteal Sarcomas Induced by FBJ Virus in NIH Swiss Mice. **Jerrold M. Ward and David M. Young.**

- 3993** Identification and Characterization of the Insulin Receptor in the R3230AC Mammary Adenocarcinoma of the Rat. **Joan Thilly Harmon and Russell Hilf.**
- * **4001** Identification and Isolation of the Major Core Protein from the Oncornavirus-like Particle in Human Milk. **Phillip Furmanski, C. Patrick Loeckner, Clifford Longley, Lenora J. Larson, and Marvin A. Rich.**
- 4008** Virus-dependent Cytostatic Activity to Mammary Tumor Cells of Lymphocytes from Normal Mice. **Ronald W. Gillette and Linda T. Lowery.**
- 4015** A Factor Responsible for Increases in Ornithine Decarboxylase Activity in the Livers of Tumor-bearing Mice. **Tamio Noguchi, Atsunori Kashiwagi, and Takehiko Tanaka.**
- 4023** Mode of Action of the Bioreductive Alkylating Agent, 2,3-Bis(chloromethyl)-1,4-naphthoquinone. **Lucille A. Cosby, Ronald S. Pardini, Raymond E. Biagini, Thomas L. Lambert, Ai Jeng Lin, Yow-Mei Huang, Kow M. Hwang, and Alan C. Sartorelli.**
- 4032** The Mechanism of 5-Fluorouridine Toxicity in Novikoff Hepatoma Cells. **David S. Wilkinson and Jeanne Crumley.**
- 4039** Adoptive Immunotherapy of a Gross Virus Producing Lymphoma and a Methylcholanthrene-induced Fibrosarcoma in Tolerant Rats. **Noritoshi Takeichi, Noboru Kuzumaki, Takao Kodama, Hiroshi Kobayashi, and Charles W. Boone.**
- 4044** Cell Surface Changes in HeLa Cells as an Indication of Cell Cycle Events. **Erik Lundgren and Göran Roos.**
- 4052** Relation of Disease Stage to Humoral and Cellular Impairment of Spleen Reticuloendothelial System Depression in a Rat Leukemia. **Burton S. Dornfest.**
- 4057** The Phenotypes of Variant Clones of Friend Mouse Erythroleukemic Cells Resistant to Dimethyl Sulfoxide. **Giovanni Rovera and James Bonaluto.**
- 4062** Stimulated DNA Synthesis in Mouse Epidermal Cell Cultures Treated with 12-O-Tetradecanoyl-phorbol-13-acetate. **Stuart H. Yuspa, Theresa Ben, Elroy Patterson, Delores Michael, Kjell Elgijo, and Henry Hennings.**
- 4069** Potentiation of 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea by Amphotericin B in Murine Ependymoblastoma. **Guy Laurent, G. Atassi, and J. Hildebrand.**
- 4074** Comparison of Antitumor Activities of Pancreatic Ribonuclease and Its Cross-linked Dimer. **George S. Tarnowski, Robert L. Kassel, Isabel M. Mountain, Peter Blackburn, Glynn Wilson, and Dalton Wang.**
- 4079** The Developmental Biology of Induced Malignant Melanoma in Guinea Pigs and a Comparison with Other Neoplastic Systems. **Wallace H. Clark, Jr., Byung Hee Min, and Lorraine H. L. Kligman.**
- 4092** Spontaneous Occurrence of Tumors in Laboratory-reared Arvicoline Rodents. **Jon William Lindsay.**
- 4099** Mutagenicity of Cyclic Nitrosamines in *Escherichia coli* following Activation with Rat Liver Microsomes. **Rosalie K. Elespuru and William Lijinsky.**
- * **4102** Prolactin Levels in Populations at Risk for Breast Cancer. **P. Hill, E. L. Wynder, H. Kumar, P. Helman, G. Rona, and K. Kuno.**
- 4107** Formation in Isolated Rat Liver Microsomes and Nuclei of Benzo(a)pyrene Metabolites That Bind to DNA. **Bengt Jernström, Helena Vadi, and Sten Orrenius.**
- 4114** Effect of *N*-Methyl-*N*-nitrosourea on the DNA of Rat Bladder Epithelium. **Ray Cox and Charles C. Irving.**
- 4119** Immunological Enhancement of Leukemia L1210 by *Corynebacterium parvum* in Allogeneic Mice. **David A. Berd and Malcolm S. Mitchell.**
- 4125** Aryl Hydrocarbon Hydroxylase in Mouse Mammary Gland. **A. H. L. Chuang and Edward Bresnick.**
- * **4130** Isolation and Partial Purification of Plasma Membrane-associated Antigens from Human Osteosarcoma (TE-85) Cells in Tissue Culture. **Iqbal Singh, Kwong Y. Tsang, and William S. Blakemore.**
- * **4137** Cellular Hypersensitivity to gp55 of RIII-Murine Mammary Tumor Virus and gp55-like Protein of Human Breast Cancers. **Maurice M. Black, Reinhard E. Zachrau, Arnold S. Dion, Bella Shore, Donald L. Fine, Henry P. Leis, Jr., and Charlene J. Williams.**
- 4143** Quantitative Studies of the Toxicity of Benzo(a)pyrene to a Mouse Liver Epithelial Cell Strain in Culture. **Joseph R. Landolph, James C. Bartholomew, and Melvin Calvin.**
- 4152** *In Vitro* Transmission and Propagation of the Bovine Leukemia Virus in Monolayer Cell Cultures. **Donald C. Graves and Jorge F. Ferrer.**

- 4160** The Metabolism-dependent Maintenance of Cell Volume and Ultrastructure in Slices of Morris Hepatoma 3924A. **Matteo A. Russo, Tommaso Galeotti, and George D. V. van Rossum.**
- 4175** Interaction of Na⁺ and K⁺ Transport with Aerobic Energy Metabolism in Slices of Morris Hepatoma 3924A. **Tommaso Galeotti, George D. V. van Rossum, Matteo A. Russo, and Guglielmo Palombini.**
- 4185** Nonenzymatic Reduction of Benzo(a)pyrene Diol-epoxides to Trihydroxypentahydrobenzo(a)pyrenes by Reduced Nicotinamide Adenine Dinucleotide Phosphate. **Shen K. Yang and Harry V. Gelboin.**
- 4190** Induction of Type B Virions to Bud into Cytoplasmic Vacuoles in a Mammary Tumor of an X-ray- and Urethan-treated X/Gf Mouse. **Anna Goldfeder.**
- 4195** Letter to the Editor:
The Fortuitous Isolation and Identification of the Polyoma Virus. **Ludwik Gross.**
- 4197** Correspondence:
Re: Proper historical sequence relating to the discovery of baboon endogenous type C virus. **S. S. Kalter and Richard L. Heberling.**
- 4198** Special Announcement: Annual Meeting of the American Association for Cancer Research, Inc.
- 4199** Announcements.

Cancer Research

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

36 (11 Part 1)

Cancer Res 1976;36:3863-4200.

Updated version Access the most recent version of this article at:
http://cancerres.aacrjournals.org/content/36/11_Part_1.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/36/11_Part_1.citation. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.