



Cancer Research

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

Contents

Volume 34 / Number 5 / May 1974

Asterisks preceding the title refer to studies in humans.

- 917** Accelerated Clearance of Exogenously Administered Erythropoietin by Mice with Rauscher Viral Leukemia.
James P. OKunewick and Penny Erhard.
- 920** Cell Proliferation and Promoting Action in Skin Carcinogenesis.
Alberto N. Raick.
- 927** Effects of 5-Fluorouracil on Drug-metabolizing Enzymes in the Rat.
P. Klubes and I. Cerna.
- 932** Suppression of SV40 Tumors after Immunization with Group A *Streptococcus pyogenes* and *Bordetella pertussis*.
John L. Collins and Carl J. Wust.
- 938** Steroid Δ^4 -Reductase Activity in Hepatomas of Different Growth Rates.
Joel E. Houglum, Harold P. Morris, and Yusuf J. Abul-Hajj.
- 942** *The Cryopreservation of Colony-forming Cells from the Bone Marrow of Children with Acute Lymphocytic Leukemia.
A. H. Ragab, E. Gilkerson, and S. C. Choi.
- 947** Effect of the Organophosphate Insecticide Parathion and Its Active Metabolite Paraoxon on the Metabolism of Benzo(a)pyrene in the Rat.
Rocky P. Weber, Julius M. Coon, and Anthony J. Triolo.
- 953** Extracellular pH and Neoplastic Transformations.
Leon Libenson and Milton Jena.
- 958** The Hamster as a Host for the Growth and Study of Human Tumor Cell Populations.
Leon M. Cobb.
- 964** Metabolism of Tetrahydrohomofolate (NSC 89473) in Mice.
Lakshmi C. Mishra, Amar S. Parmar, and J. A. R. Mead.
- 968** Inhibition of Nucleoside Transport by Aflatoxins and Sterigmatocystin.
Takehiko Kunitomo, Yasuhiko Kurimoto, Kagaeaki Aibara, and Komei Miyaki.
- 974** Synergistic Effect of Amphotericin B and 1,3-Bis(2-chloroethyl)-1-nitrosourea against a Transplantable AKR Leukemia.
Gerald Medoff, Fred Valeriote, Richard G. Lynch, David Schlessinger, and George S. Kobayashi.
- 979** Elevated Levels of Endometrial Lactate Dehydrogenase in Hyperplasia and Carcinoma of Human Endometrium.
P. F. Fottrell, Carmel M. Spellman, and E. M. O'Dwyer.
- 981** Chemical Oxidation of Cyclophosphamide and 4-Methylcyclophosphamide.
Michael Thomson and Michael Colvin.
- 986** Patterns of Excretion of Methylated Purines in Hepatocellular Carcinoma.
Ying Ho and Hsiang Ju Lin.
- 991** Asynchronous DNA Synthesis and Asynchronous Mitosis in Multinuclear Ovarian Cancer Cells.
Patrick F. Sheehy, Theresa Wakonig-Vaartaja, Rodger Winn, and Bayard D. Clarkson.
- 997** Quantitative Relationships of Intravascular Tumor Cells, Tumor Vessels, and Pulmonary Metastases following Tumor Implantation.
Lance Allen Liotta, Jerome Kleinerman, and Gerald M. Sidel.
- 1004** The Disposition of the Antitumor Agent, Sangivamycin, in Mice.
Chava T. Hardesty, Norita A. Chaney, Vaman S. Waravdekar, and J. A. R. Mead.
- 1010** Effects of Tryptophan Deprivation on L1210 Cells in Culture.
Paul V. Woolley, III, Robert L. Dion, and Vincent H. Bono, Jr.
- 1015** *Deoxynucleotide-polymerizing Enzymes in Normal and Malignant Human Cells.
B. I. Sahai Srivastava.
- 1027** The Delayed and Lasting Rejection of Mammary Adenocarcinoma Cell Tumors in DBA/2 Mice with Use of Killed *Bordetella pertussis*.
Vilas V. Likhite.
- 1031** Studies on the Antiprostatic Action of Estracyt, a Nitrogen Mustard of Estradiol.
R. Y. Kirdani, J. Müntzing, M. J. Varkarakis, G. P. Murphy, and A. A. Sandberg.
- 1038** Effect of Quinacrine on Survival and DNA Repair in X-irradiated Chinese Hamster Cells.
Nicolae Voiculescu, Kendric C. Smith, and Henry S. Kaplan.
- 1045** Evaluation of Cancer Risk Factors in a Retirement Community.
Brian E. Henderson, Earl Bogdanoff, Vibeke R. Gerkins, Jennie SooHoo, and Mary Arthur.
- 1049** Fetal-Leukemic Antigen of Chicken Blood Cells.
Raymond L. Teplitz, Bob G. Sanders, Anna May Brodetsky, Henry Fung, and Kay L. Wiley.

- 1054** Effect of Murine Milk Samples and Human Breast Tissues on Human Leukocyte Migration Indices.
Maurice M. Black, Dan H. Moore, Bella Shore, Reinhard E. Zachrau, and Henry P. Leis, Jr.
- 1061** Serological Studies of Normal and Leukemic Cats in a Multiple-Case Leukemia Cluster.
Susan M. Cotter, M. Essex, and William D. Hardy, Jr.
- 1070** Control of Nuclear Division in Normal but Not in Neoplastic Mouse Cells.
Frank J. O'Neill.
- 1074** Brief Communications:
- 1074** Inhibition of Pulmonary Metastasis by Intravenous Injection of Specifically Activated Macrophages.
Isaiah J. Fidler.
- 1079** Steric Effects in the Nitrosation of Piperidines.
A. Russell Jones, William Lijinsky, and George M. Singer.
- 1083** **Symposium: International Symposium on Human Tumors Associated with Herpesviruses.**
- 1084** Program.
- 1086** List of Participants.
- 1088** Program Committee
- 1089** Preface.
Paul H. Levine, Clarice E. Gaylord, and George J. Burton.
- 1090** Introduction: Herpesviruses and Cervical Cancer.
John L. Sever.
- 1091** Perspectives on the Epidemiology of Cervical Cancer with Special Reference to the Herpesvirus Hypothesis.
Irving I. Kessler.
- 1111** Epidemiological Studies Relating Genital Herpetic Infection to Cervical Carcinoma.
André J. Nahmias, Zuher M. Naib, and William E. Josey.
- 1118** A Nonhuman Primate Model for the Study of Cervical Oncogenic Potential of Herpes Simplex Virus Type 2.
William T. London, André J. Nahmias, Zuher M. Naib, David Fuccillo, Jonas H. Ellenberg, and John L. Sever.
- 1122** Studies of Tumor-specific and Herpesvirus Nonvirion Antigens.
A. Hollinshead, G. Tarro, W. A. Foster, Jr., L. J. Seigel, and W. Jaffurs.
- 1126** Persistence and Expression of the Herpes Simplex Virus Type 2 Genome in Cervical Tumor Cells.
Laure Aurelian.
- 1136** Biochemical Approaches to Detection of Herpes Simplex Virus Type 2 in Cervical Carcinoma.
Clyde R. Goodheart.
- 1140** Immune Control of Herpes Simplex Virus Infections.
Francis A. Ennis and Martha Wells.
- 1146** An Introduction to Studies on the Etiology of Hodgkin's Disease.
Paul H. Levine.
- 1149** Is Hodgkin's Disease Infectious?
Nicholas J. Vianna.
- 1156** Case Clustering in Hodgkin's Disease: A Brief Review of the Present Position and Report of Current Work in Oxford.
P. G. Smith and M. C. Pike.
- 1161** Hodgkin's Disease Clustering in Families and Communities.
Ruth L. Dworsky and Brian E. Henderson.
- 1164** Family Studies in Hodgkin's Disease.
Joseph F. Fraumeni, Jr.
- 1166** Role of the Case-Control Design in the Study of Hodgkin's Disease.
Thomas Mack.
- 1169** Discussion of Case-Control Study of Hodgkin's Disease.
Guy R. Newell and Brian E. Henderson.
- 1172** A Cohort Study of Cancer following Infectious Mononucleosis.
Roger R. Connelly and Barbara W. Christine.
- 1179** Subclinical Immune Complex Nephritis in Patients with Hodgkin's Disease.
John C. Sutherland, Roy Vann Markham, Jr., Harold E. Ramsey, and Michael R. Mardiney, Jr.
- 1182** Distribution of Fast- and Slow-migrating Hodgkin's Tumor-associated Antigens.
S. E. Order, J. Colgan, and S. Hellman.
- 1187** Nasopharyngeal Carcinoma: Present Status of Knowledge.
Brian E. Henderson.
- 1189** The Effect of Migration on the Risk of Nasopharyngeal Cancer among Chinese.
Philip Buell.
- 1192** Nasopharyngeal Carcinoma V: Immunogenetic Studies of Southeast Asian Ethnic Groups with High and Low Risk for the Tumor.
M. J. Simons, N. E. Day, G. B. Wee, K. Shanmugaratnam, H. C. Ho, S. H. Wong, T. K. Ti, N. K. Yong, S. Darmalingam, and G. de-Thé.
- 1196** Nasopharyngeal Carcinoma: Recent Studies and Outlook for a Viral Etiology.
G. de-Thé and Anton Geser.
- 1207** Antibodies to Herpes Group Viruses in Patients with Nasopharyngeal and Other Head and Neck Cancers.
Brian E. Henderson, Emma Louie, Earl Bogdanoff, Werner Henle, Barbara Alena, and Gertrude Henle.
- 1211** Introduction: Burkitt's Lymphoma in Africa.
Richard H. Morrow.
- 1216** Time-Space Clustering among Cases of Burkitt's Tumor.
Thomas M. Brown, Jr., and Clark W. Heath, Jr.
- 1219** Burkitt's Lymphoma: Clinical Features of North American Cases.
Paul H. Levine and Barbara R. Cho.
- 1222** Immunological Reactions to Tumor-associated Antigens in Burkitt's Lymphoma and Other Lymphomas.
Ronald B. Herberman, James L. McCoy, and Paul H. Levine.
- 1228** Epstein-Barr Virus DNA in Hodgkin's Dis-

- ease, American Burkitt's Lymphoma, and Other Human Tumors.
M. Nonoyama, Y. Kawai, C. H. Huang, J. S. Pagano, Y. Hirshaut, and P. H. Levine.
- 1232** Animal Models: *Herpesvirus saimiri*, a Non-human Primate Model for Herpesvirus-associated Neoplasia of Man.
D. V. Ablashi and G. R. Pearson.
- 1237** Epstein-Barr Virus: One or a Family of Viruses.
Gary R. Pearson.
- 1241** Transformation of Nonhuman Primate Lymphocytes by Epstein-Barr Virus.
Friedrich Deinhardt, Lawrence A. Falk, and Lauren G. Wolfe.
- 1245** Special Announcement: Eleventh Annual Cancer Congress: Program Schedule for Conferences and Symposia.
- 1262** Announcements.

COVER LEGEND

The necessity for international cooperation in the fight against cancer was recognized at the turn of the century when a group of experts decided to meet to exchange their ideas and information. Ultimately, this meeting formed the basis of the present International Union Against Cancer.

Three international congresses were held before the First World War: Heidelberg in 1906, Paris in 1910, and Brussels in 1913. Immediately after the war, with a revival of interest in the field of cancer, a great conference was held at Strasbourg in 1923 on the occasion of the centenary of Pasteur's birthday.

This was followed by meetings which eventually led to the establishment of a permanent organization to promote the campaign against cancer. One was held in Lake Mohonk, New York, in 1926 and was sponsored by the American Society for the Control of Cancer. The other was held in London in 1928 under the sponsorship of the British Empire Cancer Campaign.

The first successful attempt to create an international organization was made during the First International Congress held in Madrid in 1933. At the conclusion of the Congress, a proposal was put forward calling for the establishment of the International Union Against Cancer. An organizing committee met in Paris in March 1934 to lay the foundations of the proposed organization. The Union was officially founded in Paris in May 1935. The Madrid Congress was followed by nine other International Congresses, which were held in Brussels (1936), Atlantic City (1939), St. Louis (1947), Paris (1950), Sao Paulo (1954), London (1958), Moscow (1962), Tokyo (1966), and Houston (1970).

This year's XIth Congress will be held October 20 to 26 in Florence. The illustrations of Michelangelo's *David* and the world map featuring past Congress sites are emblems from the official program of the Congress. The historical material was also taken from this source.

Cancer Research

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

34 (5)

Cancer Res 1974;34:917-1262.

Updated version Access the most recent version of this article at:
<http://cancerres.aacrjournals.org/content/34/5.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/34/5.citation>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.