Contents

Asterisks preceding the title refer to studies in humans.


2005 3-(Tetraacetyl Glucopyranos-2-yl)-1-(2-chloroethyl)-1-nitrosourea, an Antitumor Agent with Modified Bone Marrow Toxicity. Philip S. Schein, Mary G. McMenamin, and Tom Anderson.

2010 The Principal Liver Carcinogen-Protein Conjugate after a Single Dose of Hepatic Azocarcinogen. Sam Sorof and Emily M. Young.


2042 * Stable Chromosome Changes in a Human Malignant Melanoma. T. R. Chen and Margery P. Shaw.

2048 * Bactericidal and Bacteriolytic Activity of Leukemic Sera. Waldemar Pruzanski, Wolf-Dietrich Leers, and Alastair C. Wardlaw.


2078 Immune Capacity and Response to Antigenic Tumors. Robert J. Risdall, John C. Aust, and Charles F. McKhann.


2104 Inhibition by N⁴,N⁴′-Dibutyryl 3′,5′-Cyclic Adenosine Monophosphate of Phosphate Transport and Metabolism in BHK₂₁, C₁₃, and BHK₂₁Py Cells. C. Blat, N. Boix, and L. Harel.

2109 Folate Deficiency in Rats Bearing the Walker Tumor 256 and the Novikoff Hepatoma. Lionel A. Poirier.


2122 Patterns of Damage and Repair of Liver DNA Induced by Carcinogenic Methylating Agents in Vivo. Ivan Damjanov, Ray Cox, D. S. R. Sarma, and Emmanuel Farber.

2129 Mechanism of the Inhibition of DNA Biosynthesis by 4,4′-Diacetyldiphenylurea-bis(guanyl-
hydrazone) in Leukemia L1210 Cells. 
C. Dave, J. Ehrke, and E. Mihich.

2135 A Comparative Study of the Interaction between Concanavalin A and Mitochondria from Normal and Malignant Cells. 

Jean Joncas, Jocelyne Boucher, Armand Boudreau, and Maryse Granger-Julien.

2149 The Effect of Urethan on the Incorporation of Thymidine-3H into DNA and the Activities of Some Enzymes Required for DNA Biosynthesis in Rat Regenerating Liver. 
Kou M. Hwang, Sandra A. Murphree, and Alan C. Sartorelli.

2156 * Nuclear Magnetic Resonance Studies of Several Experimental and Human Malignant Tumors. 
Donald P. Hollis, James S. Economou, Leon C. Parks, Joseph C. Eggleston, Leon A. Saryan, and Jeffrey L. Czeisler.

2161 Decrease in Oncogenic Potential of L1210 Leukemia by Triazenes. 
Franz A. Schmid and Dorris J. Hutchison.

2166 Dose-Response Studies with a Pure Tumor-promoting Agent, Phorbol Myristate Acetate. 
B. L. Van Duuren, A. Sivak, A. Segal, I. Seidman, and C. Katz.

2173 Antitumor Activity of Silica Gel F 254 Eluate. 
Erik De Clercq.

2181 Epidermal Antigens in Experimental Keratoacanthoma and Squamous Cell Carcinoma. 
H. K. Muller and G. R. Flannery.

2187 Protective Effect of Delipidated Mycobacterial Cells and Purified Cell Walls against Ehrlich Carcinoma and a Syngeneic Lymphoid Leukemia in Mice. 

2196 Thymic Changes in the Magnesium-depleted Rat. 

2205 Special Announcement: Annual Meeting of the American Association for Cancer Research, Inc.

2206 Announcements.

2207 Erratum.

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**COVER LEGEND**

German pharmacologist Hermann Druckrey (b. 1904) received his education in Giessen, Heidelberg, and Leipzig. In 1942, he became professor of pharmacology and toxicology at the University of Berlin, and by 1965, he became Director of Forschergruppe Präventivmedizin, a foundation of Deutsche Forschungsgemeinschaft, occupying the building at Stefan-Meier Strasse 8, Freiburg (illustrated).

Professor Druckrey has devoted his career to research in cancer biochemistry, chemotherapy, and carcinogenesis. His systematic studies on the relationships between chemical structure, dose, time, route of administration, and the condition of the host have been especially fruitful with N-nitroso compounds, hydrazo-, azo-, and azoxyalkanes, and triazenes. He and his co-workers recorded their important findings in a long series of papers during the 1960's in Naturwissenschaften and in Zeitschrift für Krebsforschung (e.g., H. Druckrey, R. Preussmann, S. Ivanovic, and D. Schmähl. Organotrope carcinogene Wirkungen bei 65 verschiedenen N-Nitroso-Verbindungen an BD Ratten. Z. Krebsforsch., 69: 103–201, 1967).

Three neoplastic effects are illustrated: brain glioma in rat following single transplacental dose of ethylnitrosourea (top); gastric adenocarcinoma in guinea pig fed methyl nitrosourethan (center); and colonic multiple adenocarcinoma in rat given injections s.c. of azoxy methane (bottom).

Nitrosamine carcinogenesis gained significance when it was shown that such compounds occur in foods and in cigarette smoke, and that they were formed in food in the presence of nitrates (cf. Lancet, 1: 1071–1072, 1968). These compounds are among candidates as environmental carcinogens in human cancer, especially of the gastrointestinal tract.

We are indebted to Professor Druckrey for the portrait, taken in 1965, and the illustrations and hope that his fruitful years of experimental work, which ended in 1972, are now replaced by an equally gratifying retirement.

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