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Asterisks preceding the title refer to studies in humans.

1977 Riboflavin and Cancer: A Review.
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1987 An Experimental Screening for “Systemic Adjuvants of Immunity” Applicable in Cancer Immunotherapy.
   George Mathé, Moaména Kamel, Manoucher Dezfulian, Olga Halle-Pannenko, and Charlotte Bourut.

1998 Filamentous Forms of Enveloped A Particles in Cell Cultures from Chemically Induced Rat Hepatomas.
   Jan Marc Orenstein and I. Bernard Weinstein.

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.

2014 Schedule-dependent Therapeutic Synergism for L-Asparaginase and Methotrexate in Leukemic (L5178Y) Mice.

2020 * Asparaginase in Combination Chemotherapy for Remission Induction of Childhood Acute Lymphocytic Leukemia.

2026 Growth Characteristics of Burkitt Somatic Cell Hybrids in Vitro.

2030 * Immunological Reaction in Keratoacanthoma, a Spontaneously Resolving Skin Tumor.

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2078 Immune Capacity and Response to Antigenic Tumors.
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2086 Protective Effects of Cycloheximide against 1-β-D-Arabinosylcytosine-induced Intestinal Lesions.
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2094 Formation of a Carcinogen of Natural Origin in the Etiology of Ultraviolet Light-induced Carcinogenesis.
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2097 Deoxyribonucleoside Incorporation during DNA Repair of Carcinogen-induced Damage in Human Diploid Fibroblasts.
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2109 Folate Deficiency in Rats Bearing the Walker Tumor 256 and the Novikoff Hepatoma.
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2122 Patterns of Damage and Repair of Liver DNA Induced by Carcinogenic Methylating Agents in Vivo.
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2129 Mechanism of the Inhibition of DNA Biosynthesis by 4,4'-Diacyetyl dialdehydeurea-bis(guanyl-
A Comparative Study of the Interaction between Concanavalin A and Mitochondria from Normal and Malignant Cells.

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

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.
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Nuclear Magnetic Resonance Studies of Several Experimental and Human Malignant Tumors.
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Decrease in Oncogenic Potential of L1210 Leukemia by Triazenes.
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Dose-Response Studies with a Pure Tumor-promoting Agent, Phorbol Myristate Acetate.
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Antitumor Activity of Silica Gel F 254 Eluate.
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Epidermal Antigens in Experimental Keratoacanthoma and Squamous Cell Carcinoma.
H. K. Muller and G. R. Flannery.

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

Thymic Changes in the Magnesium-depleted Rat.

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

Announcements.

Erratum.

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