Contents

Asterisks preceding the title refer to studies in humans.

189 Frequency of Fish Tumors Found in a Polluted Watershed as Compared to Nonpolluted Canadian Waters.

199 Delayed Cutaneous Hypersensitivity to Cell-free Tumor Antigens.
E. Carmack Holmes, Ralph A. Reisfeld, and Donald L. Morton.

203 Studies on the Mechanism of Corticosteroid-induced Lymphocytolysis.

Ralph E. Durand and Robert M. Sutherland.

220 Hormonal Effects on Thymidine Kinase and Thymidylate Kinase Activity of Estrogen-dependent Tumors in the Rat.

226 * Clinical Pharmacology of Cyclophosphamide.
Charles M. Bagley, Jr., Frieda W. Bostick, and Vincent T. DeVita, Jr.

234 Ultrastructural Effects of 5-Bromodeoxyuridine and 5-Fluorouracil in Drosophila.
T. M. Rizki, Rose M. Rizki, and Mary Ann Lommen.

249 * Activities and Isoenzyme Patterns of Some Enzymes of Glucose Metabolism in Human Primary Malignant Hepatoma.
D. Balinsky, E. Cayanis, E. W. Geddes, and I. Berson.

256 The Effects of Immunization of L-Asparaginase on Antitumor and Enzymatic Activity.

262 The Carcinogenic Potential of Aflatoxin or Its Metabolites in Rats from Dams Fed Aflatoxin Pre- and Postpartum.

269 Ultrastructural, Histological, and Biochemical Alterations Produced by 12-O-Tetradecanoylphorbol-13-acetate on Mouse Epidermis and Their Relevance to Skin Tumor Promotion.
Alberto N. Raick.

287 Chondral Dysplasia Induced by Zirconium and Hafnium.
Walter B. Shelley.

293 Comparative Studies of Subcutaneous and Intra-dermal Leukemic Tumors in Guinea Pigs.

302 Mutagenic Properties of Benzo(a)pyrene and Its Methylated Derivatives in Relation to the Molecular Mechanisms of Hydrocarbon Carcinogenesis.
O. G. Fahmy and Myrtle J. Fahmy.

310 Modified Nucleosides with Antineoplastic Activity as Inhibitors of an Enzyme Containing Adenosine within Its Coenzyme.
George L. Tritsch.

313 * Carcinoembryonic Antigen and Blood Group Substances.
D. Alastair R. Simmons and Peter Perlmann.

323 Inhibition of Transfer and Ribosomal RNA Methylases by Polyinosinate.
Ming C. Liau, John B. Hunt, Don W. Smith, and Robert B. Hurlbert.

332 Transplantability and Biological Behavior of Mouse Liver Tumors Induced by Ethylnitrosourea.
A. P. Kyriazis and S. D. Vesselinovitch.

339 Role of Hormonal Environment, Partial Hepatectomy, and Dose of Ethylnitrosourea in Renal Carcinogenesis.

342 Radioiron Incorporation by a Transplantable Lymphoid Tumor.
Francis W. Chandler, Jr., and Oscar J. Fletcher, Jr.

351 In Vitro Neoplastic Transformation of Hamster Embryonic Skin and Subcutaneous Tissue Cells with Small-Plaque and Large-Plaque Variants of an Avian Adenovirus (Chicken Embryo Lethal Orphan).
Richard G. Pendola and Vance J. Yates.

356 Cyclic Adenosine 3',5'-Monophosphate Phosphodiesterase Activity in Normal, Differentiating, Regenerating, and Neoplastic Liver.