This issue consists of two parts. This is Part 1

CONTENTS

Richard E. Shope. Koch’s Postulates and a Viral Cause of Human Cancer: Guest Editorial 1119
Saul Kit. Nucleic Acid Synthesis in the Neoplastic Cell and Impact of Nuclear Changes on the Biochemistry of Tumor Tissue: A Review 1121
Elizabeth Eshelman Miller and Peter Bernfeld. Abnormal Plasma Components in C3H Mice Bearing Spontaneous Tumors 1149
Tadashi A. Okada and Eugene Roberts. Cytological Analysis of Effects of Maleuric Acid on Ehrlich Ascites Tumor Cells 1154
Mary O. Greene, B. R. Baker, and Joseph Greenberg. Meta-bis-(2-chloroethylamino)-n-phenylalanine in the Treatment of Mouse Tumors 1160
Mary O. Greene and Joseph Greenberg. The Activity of Nitrosoguanidines against Ascites Tumors in Mice 1166
Mortimer B. Lipsett and Delbert M. Bergensdal. Lack of Effect of Human Growth Hormone and Ovine Prolactin on Cancer in Man 1172
Michael Klein. A Comparison of the Initiating and Promoting Actions of 9,10-Dimethyl-1,2-benzanthracene and 1,2,5,6-Dibenzanthracene in Skin Tumorigenesis 1179
B. D. Baruah. Cellular Reactions Following Tumor Growth with Special Reference to Plasma-cellular Response 1184
Margaret M. Giotti, Stewart R. Humphreys, John M. Venditti, Nathan O. Kaplan, and Abraham Goldin. The Antileukemic Action of Two Thiadiazole Derivatives 1195
Dale Rex Coman. Reduction in Cellular Adhesiveness upon Contact with a Carcinogen 1202
David Brandes and Donald P. Groth. Ultrastructural Changes Occurring in the Transition of the Adeno-carcinoma 755 from the Solid to the Ascites Form 1205
Joseph R. Davis and Harris Busch. Chromatographic Analysis of Cationic Nuclear Proteins of a Number of Neoplastic Tissues 1208
John S. Thompson, Clifford W. Gurney, and Werner H. Kirsten. The Tumor-inhibitory Effects of 3-Methylcholanthrene on Transplantable and 3-Methylcholanthrene-induced Tumors in C3H Mice 1214
Elmer D. Buckler, Isaac Shenkein, and Joan L. Bane. The Problem of Distribution of a Nerve Growth Factor Specific for Spinal and Sympathetic Ganglia 1220
P. U. Angeletti, V. Suntzeff, and B. W. Moore. Chromatographic Patterns of Protein and Enzymes in Extracts of Rhabdomyosarcoma and Muscle in Mice 1229
Arnold E. Reif and Henry J. Norris. A System for Quantitative Determination of Cytotoxic Activity of Antiserum to Ascites Tumor Cells 1235
R. M. Johnstone and J. H. Quastel. Effects of Sulphur-containing Hydantoin Derivatives on Metabolism of Ehrlich Ascites Carcinoma 1245
Harold P. Morris, Herschel Sidransky, Billie P. Wagner, and Helen M. Dyer. Some Characteristics of Transplantable Rat Hepatoma No. 5123 Induced by Ingestion of N-(2-fluorenyl)phthalamic Acid 1252
Henry C. Pitot. The Comparative Enzymology and Cell Origin of Rat Hepatomas. II. Glutamate Dehydrogenase, Choline Oxidase, and Glucose-6-phosphatase 1262
Montague Lane. The Effectiveness of Cyclophosphamide (Cytoxan) against Well Established Transplanted Rodent Tumors 1269
Obituary 1274
Announcement of the Annual Meeting of the American Association for Cancer Research, Inc. 1277

THE OFFICIAL ORGAN OF THE
AMERICAN ASSOCIATION FOR CANCER RESEARCH, INC.
Published by THE UNIVERSITY OF CHICAGO PRESS