Contents

Asterisks preceding page numbers refer to human studies.


1402 Gunnar Ronquist and Gunnar K. Agren. A Mg**- and Ca**-stimulated Adenosine Triphosphatase at the Outer Surface of Ehrlich Ascites Tumor Cells.

1407 Vic Raso and Ronnye Schreiber. A Rapid and Specific Radioimmunoassay for Methotrexate.

1411 Lionel A. Poirier, Gary D. Stoner, and Michael B. Shimkin. Bioassay of Alkyl Halides and Nucleotide Base Analogs by Pulmonary Tumor Response in Strain A Mice.

1416 John D. Scribner and Norma K. Naimy. Adducts between the Carcinogen 2-Acetamidophenanthrene and Adenine and Guanine of DNA.


1445 Paul E. Zeldin, P. K. Bhattacharya, H. Kubinski, and W. C. Nieret. Macromolecular Complexes Produced by 1,3-Propanesultone.


1458 Frederick E. Evans and Ramaswamy H. Sarma. The Aqueous Solution Conformation of Tuberculid and Tubercidin 5'-Phosphate.

1464 Kenneth T. Wheeler, Nifer Tel, Mary E. Williams, Sandra Sheppard, Victor A. Levin, and Pokar M. Kabra. Factors Influencing the Survival of Rat Brain Tumor Cells after in Vitro Treatment with 1,3-Bis(2-chloroethyl)-1-nitrosourea.

1470 Yeo-Jan Kang, Mark O. J. Olson, Christopher Jones, and Harris Busch. Nucleolar Phosphoproteins of Normal Rat Liver and Novikoff Hepatoma Ascites Cells.


1495 July Davis and Ray K. Ralph. Regulation of Growth of Mouse Mastocytoma Cells.

*1505 Elliot Alpert. Characterization and Subunit Analysis of Ferritin Isolated from Normal and Malignant Human Liver.

1510 Frederick F. Becker, Allan A. Horland, Alan Shurgin, and Stewart Sell. A Study of α-, Feto-protein Levels during Exposure to 3'-Methyl-4-di-methylaminoazobenzene and Its Analogs.

1514 Melvin S. Rheins, Joyce A. Filppi, and Victor S. Moore. Effect of Iodoacetate on the Bone Marrow Immunocompetence of AKR Mice.

1520 S. V. Khadapkar, N. A. Sheth, and S. V. Bhide. Independence of Sialic Acid Levels in Normal and Malignant Growth.

1524 Bożena Chłopkiewicz and Jadwiga Koziorowska. Role of Amino Acid Depletion in Combined Treatment of Neoplastic Cells with Methotrexate and L-Asparaginase.

1530 G. Gordon Steel and Kay Adams. Stem-Cell Survival and Tumor Control in the Lewis Lung Carcinoma.

1536 Christer O. Wernstedt, Gunnar K. Ågren, and Gunnar Ronquist. Enzyme Activities at the Surface of Intact Ehrlich Tumor Cells with Albumin in the Isotonic Assay Medium.

1542 Nobuko S. Mizuno, Baiba Zakis, and Richard W. Decker. Binding of Daunomycin to DNA and the Inhibition of RNA and DNA Synthesis.

1547 William Plunkett and Seymour S. Cohen. Two Approaches that Increase the Activity of Analogs of Adenine Nucleosides in Animal Cells.

1555 Mark Edelstein, Teresa Vietti, and Fred Valeriote. The Enhanced Cytotoxicity of Combinations of 1-β-d-Arabinofuranosylcytosine and Methotrexate.

1559 Leo J. Grady and Wayne P. Campbell. Transcription of the Repetitive DNA Sequences in Polyoma-transformed and Nontransformed Mouse Cells in Culture.

1563 Ann R. Kennedy and John B. Little. Localization of Polycyclic Hydrocarbon Carcinogens in the Lung following Intratracheal Instillation in Gelatin Solution.


1574 Mary F. Argus, Georgia M. Bryant, Karen M. Pastor, and Joseph C. Arcos. Effect of Polychlorinated Biphenyls (Aroclor 1254) on Inducible and Repressible Microsomal N-Demethylases in the Mouse and Rat.

*1580 Norman Weliky, Donald H. Leaman, Jr., and Burton J. Kallman. Stability and Dissociation of P3HR-1 Burkitt’s Lymphoma Cell Soluble Complement-fixing Antigen Identified with Human Serum.

1586 R. Michael Williams, Martin E. Dorf, and Baruj Benacerraf. H-2-linked Genetic Control of Resistance to Histocompatible Tumors.


1601 Announcements.