Contents

2593 Combination Cancer Therapy: Presidential Address.
Emil Frei, III.

2608 HL-A and Lymphoid Tumors.

2612 Mechanism of 1-β-D-Arabinofuranosylcytosine-induced Cell Lethality.
Myron Karon, William F. Benedict, and Natalie Rucker.

2616 Nitrofurans as Radiosensitizers of Hypoxic Mammalian Cells.

2625 Examination of the Carcinogenic and Co-carcinogenic Effects of Grenz Radiation.
John H. Epstein.

2630 A Model System for the Evaluation of the Role of Cholesterol α-Oxide in Ultraviolet Carcinogenesis.
Homer S. Black and David R. Douglas.

2635 Preparation and Characterization of 80 S Ribosomes of Ascites Tumor Cells Active in Polypeptide Synthesis.
Karl Leinansky.

2643 Action of Camptothecin on Mammalian Cells in Culture.

2651 Cyclic 3',5'-Nucleotide Monophosphate Phosphodiesterase Activity in Hepatomas of Different Growth Rates.

2656 Quantitative Aspects of Transplacental Tumor Induction with Ethylnitrosourea in Rats.

2661 Comparison of the Effects of Several Inhibitors of the Synthesis of Nucleic Acids upon the Viability and Progression through the Cell Cycle of Cultured H. Ep. No. 2 Cells.
Glynn P. Wheeler, Bonnie J. Bowdon, Doris J. Adamson, and Margaret H. Vail.

2670 Coating of Friend Leukemia Virus after Treatment with Specific Antiserum.
Toru Sato, Charlotte Friend, Christopher Stackpole, and Etienne de Harven.

2679 Activities and Quantities of Lysosomal Enzymes during Mammary Tumor Regression.
Richard H. Lanzerrotti and Pietro M. Gallino.

2686 Quantitation of Chemically Induced Neoplastic Transformation of BALB/3T3 Cloned Cell Lines.

2696 Ultramorphological and Ultracytochemical Studies on Tubuloreticular Structures in Lymphoid Cells.
Zsuzsa Schaff, Ursula Heine, and A. J. Dalton.

2707 Electrophoretic Analysis of Microsomal Smooth Membrane Proteins in Rat Liver and in Morris Hepatoma 5123C.
Vincenzo P. Chiarugi.

2711 Cytokinetic and Molecular Pharmacology Studies of Arabinosylcytosine in Metastatic Melanoma.
Jacqueline S. Hart, Dah Hsi Ho, Stephen L. George, Philip Salem, Jeffrey A. Gottlieb, and Emil Frei, III.

2717 A Comparison of 5-Fluorouracil Administered by Slow Infusion and Rapid Injection.

2720 Effects of Cytosine Arabinoside, Daunomycin, Mitomycin, Azacytidine, Adriamycin, and Camptothecin on Mammalian Cell Cycle Traverse.
Robert A. Tobey.

2726 Use of Flow Microfluorometry in Detailed Analysis of Effects of Chemical Agents on Cell Cycle Progression.
Robert A. Tobey and Harry A. Cissman.

2733 Differential Sensitivities of Human Melanoma Cells Grown in Vitro to Arabinosylcytosine.

2737 The Effects of Arabinosylcytosine on Cultured Human Lymphoma Cells.

2743 A Distinction between 3-Methylcholanthrene and Estrogen Binding in the Uterus.
D. O. Toft and T. C. Spelsberg.

2747 Early Enhancement of Plating Efficiency of Primary Mouse Embryo Cells by the Carcinogen MethylNitrosourea.
Jaroslav V. Frei and Jean Oliver.

2753 Radioimmunoassay for α-Fetoprotein in the Serum of Rats.
David D. Oakes, Joseph Shuster, and Phil Gold.