CONTENTS

Asterisks preceding page numbers refer to human studies.


257 Sensitivity of Human and Murine Hematopoietic Precursor Cells to 2-[3-(2-Chloroethyl)-3-nitroso-ureido]-D-glucopyranose and 1,3-Bis(2-chloroethyl)-1-nitrosourea. Philip S. Schein, Joan M. Bull, David Doukas, and Daniel Hoth.


288 Demonstration of Nonspecific Suppressor Cells in the Peripheral Lymphocytes of Cancer Patients. Phuc Canh Quan and Pierre Burtin.


307 Decreased Alkaline Phosphatase in Cells Transformed by Rous Sarcoma Virus. Artrice V. Bader, Joan Kondratick, and John P. Bader.


354 Tumorigenicity Studies with Diol-Epoxides of Benzo(a)pyrene Which Indicate That (±)-trans-7β,8α-Dihydroxy-9α,10α-epoxy-7,8,9,10-tetrahydrobenzo(a)pyrene is an Ultimate Carcinogen in Newborn Mice. Jaime Kapitulnik, Peter G. Wislocki, Wayne Levin, Haruhiyo Yagi, Donald M. Jerina, and Allan H. Conney.

359 Immunochemical Evidence of a Tumor-specific Surface Antigen Obtained by Detergent Solubilization of the Membranes of a Chemically Induced Sarcoma, Meth-A. Takashi Natori, Lloyd W. Law, and Ettore Appella.

365 Hepatobiliary Metabolism and Excretion of Adriamycin and N-Trifluoroacetyladriamycin-14-valerate in the Rat. Mervyn Israel, Peter M. Wilkinson, William J. Pegg, and Emil Frei, III.

371 Effects of N-(Phosphonacetyl)-L-aspartate on Murine Tumors and Normal Tissues In Vivo and In Vitro and the Relationship of Sensitivity to Rate of Proliferation and Level of Aspartate Transcarbamylase. Randall K. Johnson, Elizabeth A. Swyryd, and George R. Stark.

379 Dependence on Chain Length of Antitumor Activity of (1→3)-β-D-Glucan from Alcaligenes faecalis var. myxogenesIFO 13140, and its Acid-degraded Products. Takuma Sasaki, Noriko Abiko, Yukio Sugino, and Kazuo Nitta.
Patterns in Rat Strains of High and Low Tumor Incidence. Anthony B. DeAngelo, W. Robert Hudgings, and Stephen B. Kerby.

*390 In Vitro Radiation Response of Cells from Four Human Tumors Propagated in Immune-suppressed Mice. Ian E. Smith, V. Doreen Courtenay, Judith Mills, and Michael J. Peckham.


*401 Serological Reactivity in Cancer Patients to Human and Mouse Fetal Liver Cells. Fernando A. Salinas, Khalid M. Sheikh, and Stebbins B. Chandler.


*416 Prediction of Response or Progression of Human Leukemia by Premature Chromosome Condensation of Bone Marrow Cells. Walter N. Hittelman and Potu N. Rao.


431 Detection of Mutagenic Impurities in Carcinogens and Noncarcinogens by High-Pressure Liquid Chromatography and the Salmonella/Microsome Test. E. Victor Donahue, Joyce McCann, and Bruce N. Ames.

439 Enhancement of X-ray Transformation by 12-O-


444 Restoration of Growth Control in Malignantly Transformed Mouse Fibroblasts Grown in a Chemically Defined Medium. L. David Tomei and John S. Bertram.

*452 Antitryptic Property of Cancer-related Glycoprotein EDCI. Rajender K. Chawla, Allan D. Wadsworth, and Daniel Rudman.

458 Inhibition of \([H]\)Thymidine Incorporation into DNA of Rat Esophageal Epithelium and Related Tissues by Carcinogenic N-Nitroso Compounds. Sidney S. Mirvish, Cecilia Chu, and David B. Clayson.

467 Comparative Ultrastructural Studies of Nucleoli of Tumor Cells Treated with Adriamycin and the Newer Anthracyclines, Caarnimycin and Marcellomycin. Yerach Daskal, Clemmon Woodard, Stanley T. Crooke, and Harris Busch.

Meeting Reports:


481 Special Announcement

482 Announcements

483 Erratum

484 Author Index