CONTENTS

Asterisks preceding page numbers refer to human studies.

1 Changes in Polyamine Levels and Protein Synthesis Rate during Rat Liver Carcinogenesis Induced by 4-Dimethylaminoazobenzene. Antonio Perin and Angela Sessa.


16 Location of Adult Setal Aldolases A, B, and C by Immunoperoxidase Technique in LF Fast-growing Rat Hepatomas. Antoinette Hatzfeld, Gérard Feldmann, Jocelyne Guesnon, Christiane Frayssinet, and Fanny Schapira.


32 Organ Distribution of Technetium-99m-labeled Corynebacterium parvum in Normal and Tumor-bearing Mice. Rolf F. Barth, and Om Singla.

38 Correlation of Antitumor Chemotherapy Rate with Serum Inhibition of Tumor Cell Destruction. Bernard Fisher, James Hanlon, Mark Gebhardt, James Linta, and Elizabeth Saffer.

42 Inhibitory Effect of Hypothalamic Lesions on Liver Tumor Induction by $N$-2-Fluorenylacetamide in Male Rats. Yee Chu Toh.


65 A Comparison of the Biological and Biochemical Properties of 1-(4-Amino-2-methylpyrimidin-5-yl)-methyl-3-(2-chloroethyl)-3-nitrosourea and 2-[3-(2-Chloroethyl)-3-nitrosoureido]-2-glucopyranose. Robert A. Nagourney, Patricia Fox, and Philip S. Schein.

69 Influence of Immunotherapeutic Agents on the Progression of Spontaneously Arising, Metastasizing Rat Mammary Adenocarcinomas of Varying Immunogenicities. John A. Greager and Robert W. Baldwin.


78 Effect of Progesterone on Cell Division in Chemically Induced Endometrial Hyperplasia and Adenocarcinoma In Mice. Junji Kimura.

*83 Impairment of Na$^+$-dependent Amino Acid Transport in a Cultured Human T-Cell Line by Hyperthermia and Irradiation. Lester Kwock, Peck-Sun Lin, Kathy Hetter, and Donald F. H. Wallach.


*94 Correlation among Insulin Binding, Degradation, and Biological Activity in Human Breast Cancer Cells in Long-Term Tissue Culture. C. Kent Osborne, Marie E. Monaco, Marc E. Lippman, and C. Ronald Kahn.

*103 A Factor in Human Saliva That Induces Differentiation of Mouse Myeloid Leukemia Cells. Michie Nakayasu, Sachiko Shimamura, Toshiyuki Takeuchi, Shigeaki Sato, and Takashi Sugimura.

110 Effects of Potassium Dichromate on Nucleic Acid and Protein Syntheses and on Precursor Uptake


137 Transplacental Lung Tumorogenesis in the Athymic Mouse. Lucy M. Anderson, John M. Budinger, R. R. Maronpot, and Robert A. Good.


149 Ultrastructure of the Thyroid Gland in Goitered Coho Salmon (Oncorhynchus kisutch). J. F. Leatherland, R. Moccia, and R. Sonstegard.

159 Carcinoma of the Prostate in Irradiated Parabiotic Rats. Clark E. Brown and Shields Warren.

163 Patterns of Spontaneous Metastasis of Transplantable Hepatocellular Carcinomas. Frederick F. Becker.


177 Tumor Induction with the N'-Acetyl Derivative of 4-Hydroxymethylphenylhydrazine, a Metabolite of Agaricine of Agaricus bisporus. Bela Toth, Donald Nagel, Kashinath Patil, James Erickson, and Kenneth Antonson.

*181 Guanosine Diphosphate-L-fucose Plasma:N-Acetylglucosaminidase Fucosyltransferase as an Index of Bone Marrow Hyperplasia after Chemotherapy. Prem Khilanani, Ta-Hsu Chou, and David Kessel.


*199 Anti-Squamous Tumor Antibodies in Patients with Squamous Cell Carcinoma. Howard Sofen and Carol O'Toole.


Communications:


223 Protection against MOPC-315 Plasmacytoma by Immunization with C-Type Particle Preparations. Raphael Kleinman and Sheldon Dray.

226 Letter to the Editor: Use of High Concentrations of Dimethylnitrosamine in Bacterial Lethality, Mutagenesis, and Enzymological Studies. Mary F. Argus and Joseph C. Arcos.

229 Books Received

230 Announcements from the Editor

231 Announcements

232 Instructions for Authors

240 Author Index