CONTENTS

Asterisks * preceding page numbers refer to clinical studies.

*4865 The Elusive Goal: Presidential Address. Bayard D. Clarkson.

4885 Possible Requirement of Internalization in the Mechanism of in Vitro Cytotoxicity in Tumor Necrosis Serum. Frederick C. Kull, Jr. and Pedro Cuatrecasas.

4891 Selective Activation of 5'-Deoxy-5-fluorouridine by Tumor Cells as a Basis for an Improved Therapeutic Index. R. Douglas Armstrong and Robert B. Diasio.


4900 Selective Toxicity of 5-(3,3-Dimethyl-1-triazeno)-imidazole-4-carboxamide toward Hypoxic Mammalian Cells. A. M. Rauth and J. K. Mohindra.

4906 Fatty Acid Metabolism in Phorbol Ester-differentiating Human Leukemia Cells. Myles C. Cabot and Clement J. Welsh.

4910 Spectral Dependencies of Killing, Mutation, and Transformation in Mammalian Cells and Their Relevance to Hazards Caused by Solar Ultraviolet Radiation. F. Suzuki, A. Han, G. R. Lankas, H. Utsumi, and M. M. Elkind.

4916 In Vitro Metabolism of Acrylonitrile to 2-Cyanoethylene Oxide, Reaction with Glutathione, and Irreversible Binding to Proteins and Nucleic Acids. F. Peter Guengerich, Lee E. Geiger, Lora L. Hogy, and Paul L. Wright.

4925 Differential Expression of Murine Leukemia Antigen on L1210 Parental and Drug-resistant Sublines. Leon Strzadala, Adam Opolskl, Czeslaw Radzikowski, and Enrico Mihich.


4937 Correlation of Surface Fucopeptide Patterns with Tumorigenicity of Mouse Mammary Epithelial Cells. Carolyn S. Richards, Daniel Medina, Janet S. Butel, and Marion R. Steiner.

4942 Relationship between Biological Responsiveness to Phorbol Esters and Receptor Levels in GH4C1, Rat Pituitary Cells. Susan Jaken, Armen H. Tashjian, Jr., and Peter M. Blumberg.

4947 Glucocorticoid-stimulated Increase in Chemotactic Peptide Receptors on Differentiating Human Myeloid Leukemia (HL-60) Cells. Stephen J. Brandt, Katherine C. Barnes, David B. Glass, and Joseph M. Kinkade, Jr.


5036 Metabolic α-Hydroxylation of N-Nitrosomorpholine and 3,3,5,5-Tetraduetro-N-nitrosomorpholine in the F344 Rat. Stephen S. Hecht and Ruth Young.

5044 Influence of Various Hexoses and Vasoactive Agents on Osmotically Induced Oncolysis. Robert H. Orvoine.

5047 Natural Killer Cell Activity and Tumor Susceptibility in Female Mice Treated Neonatally with Diethylstilbestrol. Terje Kalland and John-Gunnar Forsberg.


5070 Adaptation versus Selection as the Mechanism Responsible for the Relapse of Prostatic Cancer to Androgen Ablation Therapy as Studied in the Dunning R-3327-H Adenocarcinoma. John T. Isaacs and Donald S. Coffey.


See December Part 2 for Volume 41 Author and Subject Indices, and Contents.