CONTENTS

Asterisks * preceding page numbers refer to studies using human-derived material.

Special Lecture

5215 The Biological Role of Oncogenes—Insights from Platelet-derived Growth Factor: Rhoads Memorial Award Lecture. Charles D. Stiles.

BASIC SCIENCES

5219 Activation of N-Nitrosobis(2-oxopropyl)amine and N-Nitroso(2-hydroxypropyl)(2-oxopropyl)amine to Mutagens for V79 Cells by Isolated Hamster and Rat Pancreatic Acinar Cells. Mario M. Mangino, Dante G. Scarpelli and Paul F. Hollenberg.

5225 Rat Lung Macrophage Tumor Cytotoxin Production: Impairment by Chronic In Vivo Cigarette Smoke Exposure. David A. Flick, Ricardo J. Gonzalez-Rothi, J. Ocie Harris and George E. Gifford.


5235 Long-Term Effect of 2-Hydroxyethyl Retinamide on Urinary Bladder Carcinogenesis and Tumor Transplantation in Fischer 344 Rats. Ricardo V. Quander, Steven L. Leary, John D. Strandberg, Barbara A. Yarbrough and Robert A. Squire.

5240 Comparison of Intravenous versus Intracarotid Therapy with 1,3-Bis(2-chloroethyl)-1-nitrosourea in a Rat Brain Tumor Model. Dennis E. Bullard, Sandra H. Bigner and Darell D. Bigner.

5246 Diversity of Adhesion to Basement Membrane Components of Human Pancreatic Adenocarcinomas. Christine L. Haberem and Herbert Z. Kuchik.


5257 Modulation of Cytotoxicity of Menadione Sodium Bisulfite versus Leukemia L1210 by the Acid-soluble Thiol Pool. Steven A. Akman, Marian Dietrich, Rowan Chlebowski, Phyllis Limberg and Jerome B. Block.


5270 Use of 5-Trifluoromethyldexoxyctydine and Tetrahydrodoridine to Circumvent Catabolism and Exploit High Levels of Cytidine Deaminase in Tumors to Achieve DNA- and Target-directed Therapies. John A. Mekras, David A. Boothman and Sheldon B. Greer.


5299 Monoclonal Antibodies to the L1210 Murine Leukemia Cell Line and to a Drug-altered Subline. Carla Testorelli, Yvonne Laura Archetti, Paola Aresca and Lorenza Del Vecchio.

5304 Isolation and Characterization of Chinese Hamster Ovary Cell Lines Sensitive to Mitomycin C and Bleomycin. Craig N. Robson, Adrian L. Harris and Ian D. Hickson.

5310 Major Role of Hepatic Sulfotransferase Activity in the Metabolic Activation, DNA Adduct Formation, and Carcinogenicity of 1’-Hydroxy-2’,3’-dihydroestrargole in Infant Male C57BL/6J x C3H/HeJ F, Mice. Timothy R. Fennell, Roger W. Wiseman, James A. Miller and Elizabeth C. Miller.


Continued

5341 Increase in H-2 Antigen Expression and Immunogenicity of BL6 Melanoma Cells Treated with N-Methyl-N'-nitro-N-nitrosoguanidine. Eliesser Gorelik, Samuele Peppoloni, Roy Overton and Ronald B. Herberman.

*5348 Synergistic Anticellular Effect of a Combination of β-Interferon and Retinoic Acid against U937 Cells. Chi-Kuan Ho.

5352 Metabolism and Disposition of Menogaril (NSC 269148) in the Rabbit. Pierre Dodion, Merrill J. Egorin, Kathrin L. Engisch and Nicholas R. Bachur.


5374 Therapeutic Effect Reflected by Plasma Levels of a Viral Protein during Combination Chemotherapeutic Treatment of Mammary Tumor-bearing Mice. Earl M. Ritzi, Dan S. Martin, Robert L. Stolfi and Sol Spiegelman.


5390 Manipulation of Experimental Rat and Rabbit Liver Tumor Blood Flow with Angiotensin II. Mark A. Burton, Bruce N. Gray, Gregory W. Self, John C. Heggie and Phillip S. Townsend.


5405 Enzymes of Uracil Catabolism in Normal and Neoplastic Human Tissues. Fardos N. M. Naguib, Mahmoud H. el Kouni and Sungnam Cha.


*5417 Photoaffinity Labeling of the Progesterone Receptor from Human Endometrial Carcinoma. C. L. Clarke and P. G. Satyaswaroop.


5426 Inhibition of Tumor Promotion in Mouse Skin by 1α,25-Dihydroxyvitamin D₃. Kazuhiro Chida, Hiroki Hashiba, Masafumi Fukushima, Tatsuuo Suda and Toshio Kuroki.

5431 Effect of Pretreatment with Cyclophosphamide on High-Dose Toxicity of Melphanal in Mice. Sulabha S. Kulkarni, George S. Leventon, Lap Huynh, Herbert Chow, Karel A. Dicie and Axel R. Zander.


5457 Inhibition of N-Nitrosodimethylamine Metabolism in Rats by Ether Anesthesia. Larry K. Keefer, William A. Garland, Neil F. Oldfield, James E. Swagzdis and Bruce A. Mico.


5466 Topical Chemotherapy of Intradermal Walker 256 Carcinosarcoma with Diaziquone and Doxorubicin in the Rat. David J. Moore, Garth Powis, Ronald L. Richardson and Mark R. Pittelkow.


Effects of Dietary Selenium Concentration on the Development of Enzyme-altered Liver Foci and Hepatocellular Carcinoma Induced by Diethylnitrosamine or N-Acetylaminofluorene in Rats. Robert A. LeBoeuf, Brian A. Laishes and William G. Hoekstra.

Effects of Selenium on Cell Proliferation in Rat Liver and Mammalian Cells as Indicated by Cytokinetic and Biochemical Analysis. Robert A. LeBoeuf, Brian A. Laishes and William G. Hoekstra.

Cell Surface Glycopeptides from Human Intestinal Epithelial Cell Lines Derived from Normal Colon and Colon Adenocarcinomas. Adel Youakim and Annette Herscovics.


Anthrapyrazoles, a New Class of Intercalating Agents with High-Level, Broad Spectrum Activity against Murine Tumors. Wilbur R. Leopold, James M. Nelson, Jacqueline Plowman and Robert C. Jackson.

Heterogeneity of [3H]Phorbol 12,13-Dibutyrate Binding in Primary Mouse Keratinocytes at Different Stages of Maturation. Joseph A. Dunn, Arco Y. Jeng, Stuart H. Yuspa and Peter M. Blumberg.


Activity of a Novel 4-Quinolinecarboxylic Acid, NSC 368390 [6-Fluoro-2-(2'-fluoro-1,1'-biphenyl-4-yl)-3-methyl-4-quinolinecarboxylic Acid Sodium Salt], against Experimental Tumors. Daniel L. Dexter, David P. Hesson, Robert J. Ardecky, Ganti V. Rao, Davette L. Tippett, Betsy A. Dusak, Kenneth D. Paull, Jacqueline Plowman, Barbara M. Delarco, V. L. Narayanan and Martin Forbes.


Please note:
For November 1985, pp. 5575-5994, see Table of Contents, Part 2
For Author Index, November 1985, Part 1, see November 1985, Part 2, pp. 5992-5993