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-Nitroso(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. Giford.


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. Kupchik.


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


5270 Use of 5-Trifluoromethyldeoxyctydine and Tetrahydrodurdine 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'-dehydroestroagrole 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 7-N-Methyl-N'-nitronitrosoguanidine. Elesser 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 Sungma Chana.


*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, Tatsu Suda and Toshio Kuroki.

5431 Effect of Pretreatment with Cyclophosphamide on High-Dose Toxicity of Melphanal in Mice. Sulabha S. Kulatam, George S. Leventon, Lap Huynh, Herbert Chow, Karel A. Dicke 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.


Continued

5489 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.

5496 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.

*5505 Cell Surface Glycopeptides from Human Intestinal Epithelial Cell Lines Derived from Normal Colon and Colon Adenocarcinomas. Adel Youakim and Annette Herscovics.


*5526 Use of a Highly Sensitive Assay to Analyze the Excision Repair of Dimer and Nondimer DNA Damages Induced in Human Skin Fibroblasts by 254-nm and Solar Ultraviolet Radiation. Barry S. Rosenstein, Joseph T. Murphy and Jonathan M. Ducore.

5532 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.

5540 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. Yusp and Peter M. Blumberg.


*5557 In Vitro Effects of N,N-Dimethylformamide on Sublethal and Potentially Lethal Damage Recovery Processes after X-Irradiation in Heterogeneous Human Colon Tumor Cells. Carla M. Arundel, Arvin S. Glicksman and John T. Leith.

*5563 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. Narayan 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