CONTENTS†

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

Special Lecture


BASIC SCIENCES


20 Mutagenicity and Tumorigenicity of Dihydrodiols, Diol Epoxides, and Other Derivatives of Benzo(\(a\))quinoline and Benzo(\(d\))-quinoline. Subothi Kumar, Harish C. Sikka, Sushil K. Dubey, Anna Czech, Nora Geddie, Chung-Xiou Wang, and Edmond J. LaVoie.

*25 Metabolic Oxidation of the Carcinogens 4-Aminobiphenyl and 4,4'\(\)-Methylene-bis(2-chloroaniline) by Human Hepatic Microsomes and by Purified Rat Hepatic Cytochrome P-450 Monoxygenases. Mary Ann Butler, F. Peter Guengerich, and Fred F. i. LaVoie.


51 Secreted and Cellular Polypeptide Patterns of MCF-7 Human Breast Cancer Cells following either Estrogen Stimulation or \(\nu\)-H-ras Transfection. Peter J. Worland, Diane Bronzert, Robert B. Dickson, Marc E. Lippman, Lori Hampton, Snorri S. Thorgeirsson, and Peter J. Wirth.


*63 Effects of Serum, Transforming Growth Factor Type \(\beta\), or 12-O-Tetradecanoylphorbol-13-acetate on Ionized Cytosolic Calcium Concentration in Normal and Transformed Human Bronchial Epithelial Cells. Masuo Miyashita, Mary W. Smith, James C. Willey, John F. Lechner, Benjamin F. Trump, and Curtis C. Harris.

*68 Anticancer Drugs as Inhibitors of Two Polymorphic Cytochrome P450 Enzymes, Debrissoquin and Mephentoinhydroxylase, in Human Liver Microsomes. Mary V. Relling, William E. Evans, Raymonde Fonnet-Pfitzer, and Urs A. Meyer.

*72 Involvement of Intracellular \(\nu\)H Elevation in the Effect of 1,25-Dihydroxyvitamin D, on HL-60 Cells. Pery Hazav, Shraga Shany, Arie Moran, and Rachel Levy.


*81 Molecular Analysis of Spontaneous Hypoxanthine Phosphoribosyltransferase Mutations in Thioguanine-resistant HL-60 Human Leukemia Cells. Raymond J. Monnat, Jr.

88 Significance of Purine Salvage in Circumventing the Action of Antimetabolites in Rat Hepatoma Cells. Yutaka Natsumeda, Tadashi Ikegami, Edith Olah, and George Weber.

*93 Immunoanalytical Detection of \(O^\bullet\)-Ethylthymine in Liver DNA of Individuals with or without Malignant Tumors. Nam-ho Huh, Masahiko S. Satoh, Juniji Shiga, Manfred F. Rajewsky, and Toshio Kuroki.

98 Response of Cultured Hepatocytes to a Hepatomitogen after Initiation by Conditioned Medium or Other Factors. Peter Ove, Antonio Francavilla, Mona L. Coetzee, Leonard Makowka, and Thomas E. Starzl.


127 Cytotoxicity and DNA Damage Caused by the Azoxy Metabolites of Procabazine in L1210 Tumor Cells. John M. Erikson, Donald J. Tweedie, Jonathan M. Duroc, and Russell A. Prough.


139 Metabolism of Retinol and Retinoic Acid in N-Methyl-N-nitrosourea-induced Mammary Carcinomas in Rats. Pangala V. Bhat and André Lacroix.


† The CONTENTS arranged by Subject Category can be found immediately following these CONTENTS.
Characterization of DNA Damage and Cytotoxicity Induced in Two Human Colon Carcinoma Cell Lines by Cyclosisone. Neil W. Gibson.


Human DNA Damage Induced by 1,2,4-Benzotriol, a Benzene Metabolite. Shosuke Kawanishi, Sumiko Inoue, and Michiko Kawanishi.


Two Human Monoclonal Antibodies Reacting with the Major Gangliosides of Human Melanomas and Comparison with Corresponding Mouse Monoclonal Antibodies. Koichi Furukawa, Hiroshi Yamaguchi, Herbert F. Oettgen, Lloyd J. Old, and Kenneth O. Lloyd.


Requirement of the Na+/H+ Exchanger for Tumor Growth. Daniela Rotin, Darlene Steele-Norwood, Sergio Grinstein, and Ian Tannock.


CLINICAL AND EPIDEMIOLOGICAL INVESTIGATIONS

Incidence of Adult T-Cell Leukemia/Lymphoma among Human T-Lymphotrophic Virus Type I Carriers in Saga, Japan. Shinkan Tokudome, Osamu Tokunaga, Yoshinori Shimamoto, Yuichi Miyamoto, Ikuo Sumida, Masahiro Kikuchi, Morishige Takeshita, Takayoshi Ikeda, Koichi Fujiwara, Masatoshi Yoshihara, Takashi Yanagawa, and Masahiro Nishizumi.


Influence of Schedule of Interleukin 2 Administration on Therapy with Interleukin 2 and Lymphokine Activated Killer Cells. John A. Thompson, Douglas J. Lee, Catherine G. Lindgren, Lynn A. Benz, Carolyn Collins, William P. Shuman, Daniel Levitt, and Alexander Fefer.


Colonial Epithelial Cell Proliferation in Responders and Nonresponders to Supplemental Dietary Calcium. Martin Lipkin, Eileen Friedman, Sidney J. Winawer, and Harold Newmark.

NOTE: AACR forms available in the back of this issue—
• 1989 Employment Register Forms and Instructions
• Application for Associate Membership
• Advance Registration Form for the 80th Annual Meeting