CONTENTS†

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

Special Lecture


BASIC SCIENCES


*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 Monooxygenases. Mary Ann Butler, F. Peter Guengerich, and Fred F. Kadlubar.


*51 Secreted and Cellular Polypeptide Patterns of MCF-7 Human Breast Cancer Cells following either Estrogen Stimulation or α-6-Transfection. Peter J. Worland, Diane Bronzert, Robert B. Lichtner, Marc E. Debbas, and David M. Goldenberg.


*63 Effects of Serum, Transforming Growth Factor Type β, or 12-O-Tetradecanoylphorbol-13-acetate on Ionized Cytosolic Calcium Concentration in Normal and Transformed Human Bronchial Epithelial Cells. Masao 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, Debrisosquin and Mephentoin Hydroxylase, in Human Liver Microsomes. Mary V. Relling, William E. Evans, Raymonde Fonnd-Pfister, and Urs A. Meyer.


*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 Natsueda, Tadashi Ikegami, Edith Olah, and George Weber.

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

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


*123 Synergic Anti-idiotype Monoclonal Antibodies to Murine Anticarcinoembryonic Antigen Monoclonal Antibodies. Marc Monestier, Michael E. Debbas, and David M. Goldenberg.

*127 Cytotoxicity and DNA Damage Caused by the Azoxy Metabolites of Procarbazine in L1210 Tumor Cells. Donald J. Tweedie, Jonathan M. Ducore, and russell A. Prough.


*139 Metabolism of Retino! and Retinoic Acid in /V-Methyl-^-nitroso-sources-in 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 Cyclosporine. 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-Lymphotropic Virus Type I Carriers in Saga, Japan. Shinkan Tokudome, Osamu Tokunaga, Yoshinori Shimamoto, Yuichi Miyamoto, Ikuko Sumida, Masahiro Kikuchi, Morishige Takeshita, Takayoshi Ikeda, Koichi Fujiiwa, Masatomo 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.

Announcements

Eightieth Annual Meeting of the AACR
AACR Special Conferences in Cancer Research
Future Annual Meetings of the AACR
Collected Perspectives in Cancer Research
Calendar of Events

Erratum


Instructions for Authors

Author Index

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