Advances in Brief


3853 Heterogeneity in MLL/AF-4 Fusion Messenger RNA Detected by the Polymerase Chain Reaction in t(4;11) Acute Leukemia. Joanne M. Hilden, Chien-Shing Chen, Roderick Moore, Joy Frestedt, and John H. Kersey.

3857 The Effect of Stem Cell Factor on Irradiated Human Bone Marrow. Bryan R. Leigh, Steven L. Hancock, and Susan J. Knox.


3874 Transplacental Carcinogenicity of Cisplatin: Initiation of Skin Tumors and Induction of Other Prenecplastic and Neoplastic Lesions in SENCAR Mice. Bhalchandra A. Diwan, Lucy M. Anderson, Sabine Rehm, and Jerry M. Rice.


Regular Articles

Carcinogenesis


3895 Repair of O6-Methylguanine and O4-Methylthymidine in F344 Rat Liver following Treatment with 1,2-Dimethylhydrazine and O6-Benzyguanine. Susan M. O'Toole, Anthony E. Pegg, and James A. Swenberg.


3908 Chemoprevention of Colon Carcinogenesis by the Natural Product of a Simple Phenolic Compound Protocatechuic Acid: Suppressing Effects on Tumor Development and Biomarkers’ Expression of Colon Tumorigensis. Toshihiro Kojima, Takuji Tanaka, Masumi Suzuki, and Hideki Mori.


3919 Two-Year Carcinogenicity Study of Tamoxifen in Alderley Park Wistar-derived Rats. Peter Greaves, Ranjit Goonetilleke, Gary Nunn, John Topham, and Terry Orton.


Clinical Investigations


Endocrinology

3935 Selective Biological Response by Target Organs (Intestine, Kidney, and Bone) to 1,25-Dihydroxyvitamin D3 and Two Analogues. Anthony W. Norman, Igor N. Sergeev, June E. Bishop, and William H. Okamura.

3943 Control of HLA-DR Antigen Expression by γ-Interferon: Separate Signal Transduction Mechanisms in Malignant and Nonmalignant Human Thyroid Cells. Nitza Lahat, Esther Sobel, and Zaki Kraiem.
Experimental Therapeutics

3946 Interaction of a Polyamine Analogue, 1,19-bis-(Ethylamino)-5,10,15-triazanonadecane (BE-4-4-4-4), with DNA and Effect on Growth, Survival, and Polyamine Levels in Seven Human Brain Tumor Cell Lines. Hirak S. Basu, Malgorzata Pellarin, Burt G. Feuerstein, Akira Shirahata, Keijiro Samejima, Dennis F. Deen, and Laurence J. Marton.


3986 In Vitro and in Vivo Effect of Doxorubicin Combined With Liposome-encapsulated Muramyl Tripeptide on Canine Monocyte Activation. Fuoshun Shi, E. Gregory MacEwen, and Ilene D. Kurzman.

3992 Unusual Oxygen Concentration Dependence of Toxicity of SR-4233, a Hypoxic Cell Toxin. C. J. Koch.


4004 Inhibition by Oxonic Acid of Gastrointestinal Toxicity of 5-Fluorouracil without Loss of Its Antitumor Activity in Rats. Tetsuhiko Shirasaka, Yuji Shimamoto, and Masakazu Fukushima.

Molecular Biology and Genetics


4048 Gastric and Hepatocellular Carcinomas Do Not Overexpress the Same Ribosomal Protein Messenger RNAs as Colon Carcinoma. Graham F. Barnard, Raymond J. Staniunas, Masaki Mori, Mark Puder, Milburn J. Jessup, Glenn D. Steele, Jr., and Lan Bo Chen.


4066 Role of Chromosome 9 in Human Bladder Cancer. Noriomi Miyao, Yvonne C. Tsai, Seth P. Lerner, Aria F. Olumi, Charles H. Spruck III, Mirella Gonzalez-Zulueta, Peter W. Nichols, Donald G. Skinner, and Peter A. Jones.

Tumor Biology


4089 Cell Lines from gcr Congenic Strains of Rats Having Different Susceptibilities to Chemical Carcinogens. Di Lu, Heinz W. Kunz, Mona F. Meinem, and Thomas J. Gill III.

Letters to the Editor


Meeting Report

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