CONTENTS

Advances in Brief


714 Vaccinations with Tumor Cells Genetically Engineered to Produce Different Cytokines: Effectivity not Superior to a Classical Adjuvant. Hanno Hock, Marion Dorsch, Ulrich Kunzendorf, Klaus Überla, Zhilai Qin, Tibor Dianianstcin, and Thomas Blankenstein.


728 Tumor Necrosis Factor &alpha; Polymorphism Correlates with Deleterious Effects of Ultraviolet B Light on Cutaneous Immunity. Vladimir Vincék, Iwao Kurimoto, Jan Paul Medema, Enio Prieto, and J. Wayne Stellrecht.


744 Nuclear Matrix Protein Patterns in Human Benign Prostatic Hyperplasia and Prostate Cancer. Alan W. Partin, Robert H. Getzenberg, Mark J. CarMichael, Don Vindivich, John Yoo, Jonathan I. Epstein, and Donald S. Coffey.

Special Lecture


Regular Articles

Biochemistry and Biophysics


762 Distinct Infrared Spectroscopic Patterns of Human Basal Cell Carcinoma of the Skin. Patrick T. T. Wong, Sanford M. Goldstein, Roy C. Grekin, Thomas A. Godwin, Chris Pivik, and Basil Rigas.


Carcinogenesis

772 Chemoprevention of Oral Carcinogenesis by dl,a-Disulfomethylornithine, an Ornithine Decarboxylase Inhibitor: Dose-dependent Reduction in 4-Nitroquinoline 1-Oxide-induced Tongue Neoplasms in Rats. Takui Tanaka, Toshihito Kojima, Akira Hara, Hideo Sawada, and Hideki Mori.

777 Two Types of 4-((Methylnitrosoamino)-1-(3-pyridyl))-1-butaneone Hemoglobin Adducts, from Metabolites Which Migrate into or Are Formed in Red Blood Cells. Sharon E. Murphy and Kristin A. Colella.

784 The Antiproliferative Effect of Dietary Calcium on Colonic Epithelium Is Mediated by Luminal Surfactants and Dependent on the Type of Dietary Fat. John A. Lapré, Hielke T. De Vries, Jan H. Koeman, and Roelof Van der Meer.

Epidemiology

790 Elevated Serum Testosterone Levels and Risk of Hepatocellular Carcinoma. Ming-Whei Yu and Chien-Jen Chen.


Experimental Therapeutics


819 Pseudomonas Exotoxin-based Immunotoxins Containing the Antibody LL2 or LL2 Fab' Induce Regression of Subcutaneous Human B-Cell Lymphoma in Mice. Robert J. Kreitman, Hans J. Hansen, Anastasia L. Jones, David J. P. FitzGerald, David M. Goldemberg, and Ira Pastan.
Immunology

826 Transduction of Retinoic Acid and γ-Interferon Signal for Intercellular Adhesion Molecule-1 Expression on Human Tumor Cell Lines: Evidence for the Late-Acting Involvement of Protein Kinase C Inactivation. Marline Bouillon and Marie Audette.


840 DNA Sequence Analysis of T-Cell Receptor Genes Reveals an Oligoclonal T-Cell Response to a Tumor with Multiple Target Antigens. Steven Seung, James L. Urban, and Hans Schreiber.

Molecular Biology and Genetics


850 Reshaping a Human Antibody to Inhibit the Interleukin 6-dependent Tumor Cell Growth. Koh Sato, Masayuki Tsuchiya, Jose Saldanha, Yasuo Koishihara, Yoshiyuki Ohsugi, Tadamitsu Kishimoto, and Mary M. Bendig.

857 Frequent Multiplication of the Long Arm of Chromosome 8 in Hepatocellular Carcinoma. Yoshiyuki Fujiwara, Morito Monden, Takesada Mori, Yusuke Nakamura, and Mitsuru Emi.


Tumor Biology


878 Type IV Collagenase (M, 72,000) Expression in Human Prostate: Benign and Malignant Tissue. Mark E. Stearns and Min Wang.

Virology


910 Laryngeal Papilloma Cells Have High Levels of Epidermal Growth Factor Receptor and Respond to Epidermal Growth Factor by a Decrease in Epithelial Differentiation. Andrea Vambutas, Teresa P. Di Lorenzo, and Bettie M. Steinberg.

915 src-specific Immune Regression of Rous Sarcoma Virus-induced Tumors. Irwin H. Gelman and Hidesaburo Hanafusa.

Letter to the Editor

921 Studying Clonal Heterogeneity in Human Cancers. Martin F. Fey, Arthur Zimmermann, Bettina Borisch, and Andreas Tobler.

Meeting Reports

922 National Cancer Institute Workshop on the Possible Roles of Metallothionein in Carcinogenesis. M. George Cherian, P. C. Huang, Curtis D. Klaassen, Yung-Pin Liu, David G. Longfellow, and Michael P. Waalkes.

926 New Insight on the Biology of Neuroectodermal Tumors: Workshop Report from the University of Rome Tor Vergata and the IDI-IRCCS on the Genetics and Control of Growth, Differentiation, and Programmed Cell Death. Gerry Melino, Richard A. Knight, and Carol J. Thiele.
