Advances in Brief


3250 Potent Intracellular Oxidative Stress Exerted by the Carcinogen 4-Nitroquinoline-N-oxide. Tsatsou Nunoshita and Bruce Demple.

3253 Constitutive Overexpression of DNA Binding Activity to the Distal CCAAT Box of Human Thymlidine Kinase Promoter in Human Tumor Cell Lines. Zeev Estrov, Moshe Talpaz, Astrid Richter, and Heinrich Kasper.

3257 A Mutant p53 Tumor Suppressor Protein Is a Target for Peptide-Induced Cytotoxic T-Cells. Michael Yanuck, David P. Carbone, C. David Pendleton, Tuku Tsukui, Stefan F. Winter, John D. Minna, and Jay A. Berzofsky.

3262 Selective Enhancement of Vincastrine Cytotoxicity in Multidrug-resistant Tumor Cells by Dilantin (Phenytoin). Ram Ganapathi, Aleck Hercbergs, Dale Grabowski, and Jeanne Ford.

Perspectives in Cancer Research

3266 Two Competing Influences That May Explain Concomitant Tumor Resistance. Richmond T. Prehn.

Regular Articles

Biochemistry and Biophysics


Carcinogenesis

3276 Mechanisms of Inhibition of 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone Bioactivation in Mouse by Dietary Phenyethyl Isothiocyanate. Theresa J. Smith, Zuyu Guo, Chi Li, Shu M. Ning, Paul E. Thomas, and Chung S. Yang.


Experimental Therapeutics


3314 Penetration of Mitomycin C in Human Bladder. M. Guillaume Wientjes, Robert A. Badalament, Robert C. Wang, Faiza Hassan, and Jessie L-S. Au.

**Immunology**


**Molecular Biology and Genetics**


3374 Mutations in p53 Are Frequent in the Preneoplastic Stage of Mouse Mammary Tumor Development. D. Joseph Jerry, Michelle A. Ozburn, Frances S. Kittrell, David P. Lane, Daniel Medina, and Janet S. Butel.


**Tumor Biology**

3386 Effects of Transforming Growth Factor β1 on Growth and Apoptosis of Human Acute Myelogenous Leukemia Cells. Raymond Tantle, Claire Payne, Betty Dos Santos, Melinda Russell, and Patria Segarini.


3411 The 72 kDa Type IV Collagenase Is Modulated via Differential Expression of α5β1 and α6β1 Integrins during Human Melanoma Cell Invasion. Richard E. B. Seftor, Elisabeth A. Seftor, William G. Stetler-Stevenson, and Mary J. C. Hendrix.


3421 Correlation between E-Cadherin Expression and Invasiveness in Vivo in a Human Esophageal Cancer Cell Line. Yuichiro Doki, Hirotoshi Shiozaki, Hideaki Tahara, Masatoshi Inoue, Hiroshi Oka, Reiko Ihara, Takatoshi Kadokawa, Masatoshi Takeichi, and Takesada Mori.


**Virology**

3433 Lymphomagenesis in AKR.Fv-1a Congenic Mice. Nechama Hanargha, Alpha Peled, B. Kay Brightman, and Hung Fan.

**Meeting Report**


**Announcements**

3443 New Schedule for Annual Meetings of the AACR Beginning in 1994

New Privileges and Responsibilities of Corresponding Membership

Broadening of Associate Membership

Call for Nominations for Association Awards

Call for Nominations for Honorary Membership

Call for Suggestions for Association Officers and Directors

AACR Special Conferences in Cancer Research

Calendar of Events

3447 Author Index