CONTENTS

Advances in Brief

1 Prognostic Significance of p53 Mutations and 3p Alleles in Primary Resected Non-Small Cell Lung Cancer. Yoshitsugu Horio, Takashi Takahashi, Tetsuo Kuroishi, Kenji Hibi, Motokazu Suyama, Takao Niimi, Kaoru Shimokata, Kazuhiro Yamakawa, Yusuke Nakamura, Ryuio Ueda, and Toshiyada Takahashi.


9 Aflatoxin B1-induced Rat Hepatic Hyperplastic Nodules Do Not Exhibit a Site-specific Mutation within the p53 Gene. Janis E. Hulla, Zhi Ying Chen, and David L. Eaton.


Regular Articles

Biochemistry and Biophysics

19 2,2'-Bipyridyl-6-carbothioamide and Its Ferrous Complex: Their in Vitro Antitumoral Activity Related to the Inhibition of Ribonucleotide Reductase R2 Subunit. Giuseppe Nocentini, Federica Federici, Palnirisa Franchetti, and Anna Barzi.

Carcinogenesis

27 Inhibition of Skin Tumor Promotion by Restriction of Fat and Carbohydrate Calories in SENCAR Mice. Diane F. Birt, Heather J. Pinch, Tracy Barnett, An Phan, and Kaye Dimitroff.

32 Effects of Sodium Nitrite and Catechol, 3-Methoxycatechol, or Butylated Hydroxyanisole in Combination in a Rat Multigorgan Carcinogenesis Model. Masao Hirose, Hikaru Tanaka, Satoru Takahashi, Mitsuru Futakushi, Shoji Fukushima, and Nobuyuki Ito.


46 Caloric Restriction and Intervention in Pancreatic Carcinogenesis in the Rat. B. D. Roebuck, Karen J. Baumgartner, and Denise L. MacMillan.


Clinical Investigations

61 Serum Fragment of Cytokeratin Subunit 19 Measured by CYFRA 21-1 Immunoradiometric Assay as a Marker of Lung Cancer. Jean-Louis Pujol, Jean Grenier, Jean-Pierre Darreux, Alain Daver, Henri Pujol, and Francois-Bernard Michel.

67 Atrial Natriuretic Factor and Arginine Vasopressin Production in Tumor Cell Lines from Patients with Lung Cancer and Their Relationship to Serum Sodium. Andrew J. Gross, Seth M. Steinberg, J. Garrett Reilly, David P. Bliss, Jr., John Brennan, Phong Tram Le, Alfreda Simmons, Ruby Phelps, James L. Mulshine, Daniel C. Ihde, and Bruce E. Johnson.

Epidemiology


Experimental Therapeutics

83 In Situ Retroviral-mediated Gene Transfer for the Treatment of Brain Tumors in Rats. Zvi Ram, Kenneth W. Culver, Stuart Walbridge, R. Michael Blaese, and Edward H. Oldfield.


Immunology


Molecular Biology and Genetics


Tumor Biology

140 M, 92,000 Type IV Collagenase Is Increased in Plasma of Patients with Colon Cancer and Breast Cancer. Stanley Zucker, Rita M. Lysik, Mohammad H. Zarrabi, and Ute Moll.


158 Overexpression of Basic Fibroblast Growth Factor Complementary DNA in Ha-ras-transformed Cells Correlates with a Decreased Incidence of Tumor Necrosis. David Peretz, Nina Kimel, Dennis K. Fujii, and Gera Neufeld.

165 Increased Stromelysin 3 Gene Expression Is Associated with Increased Local Invasiveness in Head and Neck Squamous Cell Carcinomas. Danièle Muller, Catherine Wolf, Joseph Abecassis, Régine Million, Alain Engelmann, Guy Bronner, Nicolas Rouyer, Marie-Christine Rio, Michel Eber, Gérard Meihlin, Pierre Chambon, and Paul Basset.


176 Exploiting the lacZ Reporter Gene for Quantitative Analysis of Disseminated Tumor Growth within the Brain: Use of the lacZ Gene Product as a Tumor Antigen, for Evaluation of Antigenic Modulation, and to Facilitate Image Analysis of Tumor Growth in Situ. Lois A. Lampson, Michael A. Lampson, and A. Dana Dunne.


Announcements

Eighty-Fourth Annual Meeting of the AACR
New Format for Annual Meetings of the AACR Beginning in 1994
Workshop on Histopathobiology of Cancer
Workshop on Molecular Biology in Clinical Oncology
AACR Special Conferences in Cancer Research
Recent Deaths
Calendar of Events

Instructions for Authors

Author Index

AACR forms available in the back of this issue:
Employment Register Forms and Instructions
Application for Active and Corresponding Membership
Application for Associate Membership

AACR forms available in the back of this issue:
Advance Registration Form for the 84th Annual Meeting
Guidelines for Submitting Disks to AACR Publications