CONTENTS*

PERSPECTIVES IN CANCER RESEARCH


508 Prolonged Inhibition by X-Rays of DNA Synthesis in Cells Obtained by Transformation of Primary Rat Embryo Fibroblasts with Oncogenes H-ras and v-myc. Ya Wang and George Iliakis.


540 Platinum Anticancer Drugs Modulate P-450 mRNA Levels and Differentially Alter Hepatic Drug and Steroid Hormone Metabolism in Male and Female Rats. Gerald A. LeBlanc, Scott S. Sundseth, George F. Weber, and David J. Waxman.


554 Endothelin-1 Gene Expression and Biosynthesis in Human Endometrial HEC-1A Cancer Cells. Katherine Economos, Paul C. MacDonald, and M. Linette Casey.

558 Mutation(s) of the Thymidylate Synthase Gene of Human Adenocarcinoma Cells Causes a Thymidylate Synthase-negative Phenotype That Can Be Attenuated by Exogenous Folates. Peter J. Houghton, Atiqur Rahman, Cindy L. Will, Bruce J. Dolnick, and Janet A. Houghton.


571 Basic Fibroblast Growth Factor in Human Prostate Cancer Cells. Takahisa Nakamoto, Chawnshang Chang, Ank Li, and Gerald W. Chodak.


623 Blocking Effect of Human Serum but not of Cerebrospinal Fluid on Ricin A Chain Immunotoxin Potentiation by Monensin or Carrier Protein-Monensin Conjugates. Carola Candidiani, Antonia Franceschi, Roberto Chignola, Marcella Pasti, Cristina Anselmi, Giuseppina Benoni, Giuseppe Tridente, and Marco Colombatti.


643 Disruption of the APC Gene by a Retrotransposon Insertion of L1 Sequence in a Colon Cancer. Yoshihiko Miki, Isamu Nishishio, Akira Horii, Yasuo Miyoshi, Joji Utsumomiy, Kenneth W. Kinzler, Bert Vogelstein, and Yusuke Nakamura.


* The CONTENTS arranged by Subject Category can be found immediately following these CONTENTS.
The Effect of Dietary Fat on the Rapid Development of Mammary Tumors Induced by 7,12-Dimethylbenz(a)anthracene in SENCAR Mice. Susan M. Fischer, Claudio J. Conti, Mary Locniskar, Martha A. Belury, Regina E. Maldve, Marilyn L. Lee, Julius Leyton, Thomas J. Slaga, and David H. Bechtel.

Individual Transforming Events in Long-Term Cell Culture of NIH 3T3 Cells as Products of Epigenetic Induction. Bryan J. Ellison and Harry Rubin.


Expression of Simple Epithelial Cytokeratins in Mouse Epidermal Keratinocytes Harboring Harvey ras Gene Alterations. Margarita Diaz-Guerra, Sheena Haddow, Cristina Bauluz, Jose Luis Jorcano, Amparo Cano, Allan Balmain, and Miguel Quintanilla.


Reduced Growth Rate of Dimethylhydrazine-induced Colon Tumors in Rats. Akira Tsunoda, Miki Shibusawa, Yuko Tsunoda, Naokuni Yasuda, and Tadashi Koike.


Protein Tyrosine Phosphatase Expression in Pre-B Cell NALM-6. Masaaki Adachi, Masuo Sekiya, Yoshiaki Arimura, Mutsuhiro Takekawa, Fumio Itoh, Yuji Hinoda, Kohzo Imai, and Akira Yachi.


Announcements

Eighty-Third Annual Meeting of the AACR
AACR Special Conferences in Cancer Research
Future Annual Meetings of the AACR
Recent Death
Calendar of Events

Author Index

NOTE: AACR forms available in the back of this issue—
• Application for Active and Corresponding Membership
• Application for Associate Membership
• Advance Registration Form for the 83rd Annual Meeting

Also available in the back of this issue—
GUIDELINES FOR SUBMITTING DISKS TO AACR PUBLICATIONS
Cancer Research
VOLUME 52 • NUMBER 3

CONTENTS Arranged by Subject Category

ADVANCES IN BRIEF


737 Protein Tyrosine Phosphatase Expression in Pre-B Cell NALM-6. Masaaki Adachi, Masuo Sekiya, Yoshiaki Arimura, Mutsuhiro Takekawa, Fumio Itoh, Yuji Hinoda, Kohzoh Imai, and Akira Yachi.


PERSPECTIVES IN CANCER RESEARCH


BASIC SCIENCES

Biochemistry and Biophysics

554 Endothel-1 Gene Expression and Biosynthesis in Human Endometrial HEC-1A Cancer Cells. Katherine Economos, Paul C. MacDonald, and M. Linette Casey.

Carcinogenesis


662 The Effect of Dietary Fat on the Rapid Development of Mammary Tumors Induced by 7,12-Dimethylbenz(a)anthracene in SENCAR Mice. Susan M. Fischer, Claudio J. Conti, Mary L. Nisniskar, Martha A. Belury, Regina E. Maldove, Marilyn L. Lee, Julius Leyton, Thomas J. Slaga, and David H. Bechtel.

667 Individual Transforming Events in Long-Term Cell Culture of NIH 3T3 Cells as Products of Epigenetic Induction. Bryan J. Ellison and Harry Rubin.

680 Expression of Simple Epithelial Cytokeratins in Mouse Epidermal Keratinocytes Harboring Harvey ras Gene Alterations. Margarita Diaz-Guerra, Sheena Haddow, Cristina Bauluz, Jose Luis Jorcano, Amparo Cano, Allan Balmain, and Miguel Quintanilla.

Endocrinology


Immunology


Molecular Biology and Genetics

508 Prolonged Inhibition by X-Rays of DNA Synthesis in Cells Obtained by Transformation of Primary Rat Embryo Fibroblasts with Onogenes H-ras and v-myc. Ya Wang and George Iliakis.


Preclinical Pharmacology and Experimental Therapeutics


540 Platinum Anticancer Drugs Modulate P-450 mRNA Levels and Differentially Alter Hepatic Drug and Steroid Hormone Metabolism in Male and Female Rats. Gerald A. LeBlanc, Scott S. Sundseth, Georg F. Weber, and David J. Waxman.
Mutation(s) of the Thymidylate Synthase Gene of Human Adenocarcinoma Cells Causes a Thymidylate Synthase-negative Phenotype That Can Be Attenuated by Exogenous Folates. Peter J. Houghton, Atiqur Rahman, Cindy L. Will, Bruce J. Dolnick, and Janet A. Houghton.

Blocking Effect of Human Serum but not of Cerebrospinal Fluid on Ricin A Chain Immunotoxin Potentiation by Monensin or Carrier Protein-Monensin Conjugates. Carola Candiani, Antonia Franceschi, Roberto Chignola, Marcella Pasti, Cristina Anselmi, Giuseppina Benoni, Giuseppe Tridente, and Marco Colombatti.


Reduced Growth Rate of Dimethylhydrazine-induced Colon Tumors in Rats. Akira Tsunoda, Miki Shibusawa, Yuko Tsunoda, Naokuni Yasuda, and Tadashi Koike.


Basic Fibroblast Growth Factor in Human Prostate Cancer Cells. Takahisa Nakamoto, Chawshang Chang, Ankun Li, and Gerald W. Chodak.


Clinical and Epidemiological Investigations


Author Index