



CONTENTS

Advances in Brief

- 3629 Monoclonal Antibodies to the Extracellular Domain of Prostate-specific Membrane Antigen Also React with Tumor Vascular Endothelium.** He Liu, Peggy Moy, Sae Kim, Yan Xia, Ayyappan Rajasekaran, Vincent Navarro, Beatrice Knudsen, and Neil H. Bander.
- 3635 Cellular Adhesion Regulates p53 Protein Levels in Primary Human Keratinocytes.** Janice M. Nigro, Kenneth D. Aldape, Suzanne M. Hess, and Thea D. Tlsty.
- 3640 Role for E2F in DNA Damage-induced Entry of Cells into S Phase.** Yin Yin Huang, Takatoshi Ishiko, Shuji Nakada, Taiju Utsugisawa, Tomohisa Kato, and Zhi-Min Yuan.
- 3644 1,4-Phenylenebis(methylene)selenocyanate Exerts Exceptional Chemopreventive Activity in Rat Tongue Carcinogenesis.** Takuji Tanaka, Hiroki Makita, Kunihiko Kawabata, Hideki Mori, and Karam El-Bayoumy.
- 3649 Inhibition of Cytochromes P-450 and Induction of Glutathione S-Transferases by Sulforaphane in Primary Human and Rat Hepatocytes.** Karine Mahéo, Fabrice Morel, Sophie Langouët, Harry Kramer, Eric Le Ferrec, Brian Ketterer, and André Guillouzo.
- 3653 Fine Mapping of a Genetic Locus for Peutz-Jeghers Syndrome on Chromosome 19p.** Christopher I. Amos, Deeksha Bali, Tracy J. Thiel, Joshua P. Anderson, Ian Gourley, Marsha L. Frazier, Patrick M. Lynch, Martin A. Luchtefeld, Alicia Young, Thomas J. McGarrity, and Michael F. Seldin.
- 3657 Mutation Analysis of the Putative Tumor Suppressor Gene *PTEN/MMAC1* in Primary Breast Carcinomas.** Esther Rhei, Lan Kang, Faina Bogomolny, Mark G. Federici, Patrick I. Borgen, and Jeff Boyd.
- 3660 Disruption of the *MMAC1/PTEN* Gene by Deletion or Mutation Is a Frequent Event in Malignant Melanoma.** Per Gulberg, Per thor Straten, Anette Birck, Vibeke Ahrenkiel, Alexei F. Kirkin, and Jesper Zeuthen.
- 3664 Analysis of the *FHIT* Gene and *FRA3B* Region in Sporadic Breast Cancer, Preneoplastic Lesions, and Familial Breast Cancer Probands.** Mohsen Ahmadian, Ignacio I. Wistuba, Kwun M. Fong, Carmen Behrens, Dulmini R. Kodagoda, M. Hossein Saboorian, Jerry Shay, Gail E. Tomlinson, Joanne Blum, John D. Minna, and Adi F. Gazdar.
- 3669 Differential Messenger RNA and Protein Expression of the Receptor for Advanced Glycosylated End Products in Normal Lung and Non-Small Cell Lung Carcinoma.** Peter Schraml, Igor Bendik, and Christian U. Ludwig.
- 3672 Methylation Hot Spots in the 5' Flanking Region Denote Silencing of the *O*⁶-Methylguanine-DNA Methyltransferase Gene.** Xilin C. Qian and Thomas P. Brent.
- 3678 Does Oral Contraceptive Use Increase the Risk of Breast Cancer in Women with *BRCA1/BRCA2* Mutations More Than in Other Women?** Giske Ursin, Brian E. Henderson, Robert W. Haile, Malcolm C. Pike, Nianmin Zhou, Anh Diep, and Leslie Bernstein.
- 3682 Ultraviolet Radiation A-induced Precursors of Cutaneous Melanoma in *Monodelphis domestica*.** Ronald D. Ley.

- 3685 Regulation of Mevalonate Synthesis in Rat Mammary Glands by Dietary n-3 and n-6 Polyunsaturated Fatty Acids.** Ahmed El-Soheby and Michael C. Archer.
- 3688 Growth of Human Nondiploid Primary Prostate Tumor Epithelial Cells *in Vitro*.** Dharam P. Chopra, Fazlul H. Sarkar, David J. Grignon, Wael A. Sakr, Anwar Mohamed, and Anuradha Waghray.
- 3693 CREB-binding Protein and p300/CBP-associated Factor Are Transcriptional Coactivators of the p53 Tumor Suppressor Protein.** Daniel M. Scolnick, Nabil H. Chehab, Elena S. Stavridi, Marcus C. Lien, Loretta Caruso, Elizabeth Moran, Shelley L. Berger, and Thanos D. Halazonetis.

Regular Articles

Biochemistry and Biophysics

- 3697 Induction of Caspase-3 Protease Activity and Apoptosis by Butyrate and Trichostatin A (Inhibitors of Histone Deacetylase): Dependence on Protein Synthesis and Synergy with a Mitochondrial/Cytochrome *c*-dependent Pathway.** Vicente Medina, Belinda Edmonds, Graeme P. Young, Robert James, Sarah Appleton, and Peter D. Zalewski.

Carcinogenesis

- 3708 Identification of a New P-glycoprotein-like ATP-binding Cassette Transporter Gene That Is Overexpressed during Hepatocarcinogenesis.** Katryn N. Furuya, Grace Bradley, Daxi Sun, Erin G. Schuetz, and John D. Schuetz.
- 3717 Enhancement of Experimental Colon Cancer by Genistein.** Chinthalapally V. Rao, Chung-Xiou Wang, Barbara Simi, Ronald Lubet, Gary Kelloff, Vernon Steele, and Bandaru S. Reddy.

Endocrinology

- 3723 Comparison of Estrogen Receptor DNA Binding in Untreated and Acquired Antiestrogen-resistant Human Breast Tumors.** Stephen R. D. Johnston, B. Lu, Mitchell Dowsett, X. Liang, Manfred Kaufmann, Gary K. Scott, C. Kent Osborne, and Christopher C. Benz.

Epidemiology and Prevention

- 3728 Dichlorodiphenyltrichloroethane Serum Levels and Breast Cancer Risk: A Case-Control Study from Mexico.** Lizbeth López-Carrillo, Aaron Blair, Malaquías López-Cervantes, Mariano Cebrián, Celina Rueda, Raúl Reyes, Alejandro Mohar, and Jaime Bravo.

Experimental Therapeutics

- 3733 Development of Antiangiogenic Peptide Using a Phage-Displayed Peptide Library.** Yong Song Gho, Jung Eun Lee, Kyoung Seuk Oh, Dong Goo Bae, and Chi-Bom Chae.

- 3741 Inhibitors of Epidermal Growth Factor Receptor Kinase and of Cyclin-dependent Kinase 2 Activation Induce Growth Arrest, Differentiation, and Apoptosis of Human Papilloma Virus 16-immortalized Human Keratinocytes.** Hannah Ben-Bassat, Stella Rosenbaum-Mitrani, Zippora Hartzstark, Zippora Shlomei, Nurit Kleinberger-Doron, Aviv Gazit, Gregory Plowman, Rubina Levitzki, Rimona Tsvieli, and Alexander Levitzki.
- 3751 Microfilament Depletion and Circumvention of Multiple Drug Resistance by Sphingolides.** Xinqun Zhang, Luigi Minale, Angela Zampella, and Charles D. Smith.
- 3759 Potentiation of Cisplatin Antitumor Activity Using a Vitamin D Analogue in a Murine Squamous Cell Carcinoma Model System.** Benjamin W. Light, Wei-Dong Yu, Mariann C. McElwain, Derrick M. Russell, Donald L. Trump, and Candace S. Johnson.

Molecular Biology and Genetics

- 3765 Mutator Phenotype in *Msh2*-deficient Murine Embryonic Fibroblasts.** Armin H. Reitmair, Robert Risley, Robert G. Bristow, Teresa Wilson, Anil Ganesh, Anne Jang, James Peacock, Samuel Benchimol, Richard P. Hill, Tak W. Mak, Richard Fishel, and Mark Meuth.
- 3772 Expression and Mutational Analysis of the *DCC*, *DPC4*, and *MADR2/JV18-1* Genes in Neuroblastoma.** Xiao-Tang Kong, Seung Hoon Choi, Akira Inoue, Feng Xu, Tao Chen, Junko Takita, Jun Yokota, Fumio Bessho, Masayoshi Yanagisawa, Ryoji Hanada, Keiko Yamamoto, and Yasuhide Hayashi.
- 3779 Localization of *SMAD5* and Its Evaluation As a Candidate Myeloid Tumor Suppressor.** Daniel P. Hejlik, Lazar V. Kottickal, Hong Liang, Jeff Fairman, Thaylon Davis, Teresa Janecki, David Sexton, William Perry III, Sean V. Tavtigian, David H. F. Teng, and Lalitha Nagarajan.
- 3784 Differential Involvement of the Human Mismatch Repair Proteins, hMLH1 and hMSH2, in Transcription-coupled Repair.** Steven A. Leadon and Anna V. Avrutskaya.
- 3792 Rapid Detection of Specific Messenger RNAs in Thyroid Carcinomas by Reverse Transcription-PCR with Degenerate Primers: Specific Expression of Oncofetal Fibronectin Messenger RNA in Papillary Carcinoma.** Toru Takano, Fumio Matsuzuka, Hiromi Sumizaki, Kanji Kuma, and Nobuyuki Amino.
- 3798 Genomic DNA-based hMSH2 and hMLH1 Mutation Screening in 32 Eastern United States Hereditary Nonpolyposis Colorectal Cancer Pedigrees.** Thomas K. Weber, Wendy Conlon, Nicholas J. Petrelli, Miguel Rodriguez-Bigas, Bernadette Keitz, James Pazik, Carolyn Farrell, Linda O'Malley, Maximillian Oshalim, May Abdo, Garth Anderson, Daniel Stoler, and David Yandell.

Tumor Biology

- 3804 Neu Differentiation Factor Induces ErbB2 Down-Regulation and Apoptosis of ErbB2-overexpressing Breast Tumor Cells.** John M. Daly, Christian B. Jannot, Roger R. Beerli, Diana Graus-Porta, Francisca G. Maurer, and Nancy E. Hynes.
- 3812 An Epitope on VLA-6 ($\alpha 6\beta 1$) Integrin Involved in Migration but not Adhesion Is Required for Extravasation of Murine Melanoma B16F1 Cells in Liver.** Dolores Hangan, Vincent L. Morris, Linda Boeters, Christoph von Ballestrem, Shashi Uniyal, and Bosco M. C. Chan.
- 3818 Paclitaxel- and Docetaxel-dependent Activation of CA-125 Expression in Human Ovarian Carcinoma Cells.** Christian Marth, Alain G. Zeimet, Martin Widschwendter, Christoph Ludescher, Janne Kærn, Claes Tropé, Günther Gastl, Günter Daxenbichler, and Otto Dapunt.
- 3823 The CD95 (APO-1/Fas) System Mediates Drug-induced Apoptosis in Neuroblastoma Cells.** Simone Fulda, Hauke Sieverts, Claudia Friesen, Ingrid Herr, and Klaus-Michael Debatin.
- 3830 The Biosynthesis and Secretion of Prostate-specific Antigen in LNCaP Cells.** Jen-Tzer Gau, Russell D. Salter, Diane Krill, Mara L. Grove, and Michael J. Becich.
- 3835 Melanoma Cell-Cell Interactions Are Mediated through Heterophilic Mel-CAM/Ligand Adhesion.** Ie-Ming Shih, David Speicher, Mei-Yu Hsu, Elliot Levine, and Meenhard Herlyn.
- 3841 Simultaneous Detection of All Four Alkaline Phosphatase Isoenzymes in Human Germ Cell Tumors Using Reverse Transcription-PCR.** Beatrice K. Schär, Viviane I. Otto, and Edgar Hänseler.
- 3847 A Highly Sensitive Model for Quantification of *in Vivo* Tumor Angiogenesis Induced by Alginate-encapsulated Tumor Cells.** Jens Hoffmann, Michael Schirmer, Andreas Menrad, and Martin R. Schneider.
- 3852 Up-Regulation of *flk-1*/Vascular Endothelial Growth Factor Receptor 2 by Its Ligand in a Cerebral Slice Culture System.** Christine Kremer, Georg Breier, Werner Risau, and Karl H. Plate.
- 3860 Up-Regulation of Vascular Endothelial Growth Factor Expression in a Rat Glioma Is Conferred by Two Distinct Hypoxia-driven Mechanisms.** Annette Damert, Marcia Machein, Georg Breier, Masaki Q. Fujita, Douglas Hanahan, Werner Risau, and Karl H. Plate.

3865 Announcements

1998 Annual Meeting
 Future Annual Meetings of the AACR
 Call for Nominations for 1998 AACR-
 Pezcoller International Award for
 Cancer Research
 Call for Nominations for AACR Awards
 AACR Special Conferences in Cancer
 Research
 Recent Death
 Calendar of Events

3867 Correction

R. McGlennen *et al.*, 52: 5872-5878, 1992.

3868 Employment Register

3879 Author Index

**AACR forms available
 in the back of this issue:**

**Application for Active and
 Corresponding Membership**

**Application for Associate
 Membership**

**Also available in the back
 of this issue:**

**Guidelines for Submitting Disks to
 AACR Publications**

Cancer Research

The Journal of Cancer Research (1916–1930) | The American Journal of Cancer (1931–1940)

57 (17)

Cancer Res 1997;57:3629-3867.

Updated version Access the most recent version of this article at:
<http://cancerres.aacrjournals.org/content/57/17.citation>

E-mail alerts [Sign up to receive free email-alerts](#) related to this article or journal.

Reprints and Subscriptions To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions To request permission to re-use all or part of this article, use this link <http://cancerres.aacrjournals.org/content/57/17.citation>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.