# **CONTENTS**

# Advances in Brief

- 3629 Monoclonal Antibodies to the Extracellular Domain of Prostatespecific 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. Yinyin 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, Kunihiro 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 Bogomolniy, 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 Guldberg, 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<sup>6</sup>-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-Sohemy 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 Antiangiogenin 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 Shlomai, Nurit Kleinberger-Doron, Aviv Gazit, Gregory Plowman, Rubina Levitzki, Rimona Tsvieli, and Alexander Levitzki.
- 3751 Microfilament Depletion and Circumvention of Multiple Drug Resistance by Sphinxolides. 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 (α6β1) 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 Schirner, Andreas Menrad, and Martin R. Schneider.
- 3852 Up-Regulation of fik-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 AACRPezcoller 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.