



CONTENTS

Advances in Brief

- 559 **Inhibitors of Urokinase Reduce Size of Prostate Cancer Xenografts in Severe Combined Immunodeficient Mice.** Jerzy Jankun, Rick W. Keck, Ewa Skrzypczak-Jankun, and Rafal Swiercz.
- 564 **Fusion of *ETV6* to *MDS1/EVI1* as a Result of t(3;12)(q26;p13) in Myeloproliferative Disorders.** Pieter Peeters, Iwona Wlodarska, Mathijs Baens, Arnold Criel, Dominique Selleslag, Anne Hagemeijer, Herman Van den Berghe, and Peter Marynen.
- 570 **The Influence of Oxygen Tension and pH on the Expression of Platelet-derived Endothelial Cell Growth Factor/Thymidine Phosphorylase in Human Breast Tumor Cells Grown *in Vitro* and *in Vivo*.** Leigh Griffiths, Gabi U. Dachs, Roy Bicknell, Adrian L. Harris, and Ian J. Stratford.
- 573 **Suppression of Preneoplastic Changes in the Intestine of Rats Fed Low Levels of Polyamines.** Benoit Durantou, Edouard Nsi-Emvo, René Schleiffer, Francine Gossé, Michel Galluser, and Francis Raul.
- 576 **Malignant Transformation of Human Prostate Epithelial Cells by *N*-nitroso-*N*-methylurea.** Johng S. Rhim, Sunji Jin, Mira Jung, Peter J. Thraves, Michael R. Kuettel, Mukta M. Webber, and Bharati Hukku.
- 581 **Relative Susceptibilities of *XPA* Knockout Mice and Their Heterozygous and Wild-Type Littermates to UVB-induced Skin Cancer.** Rob J. W. Berg, Annemieke de Vries, Harry van Steeg, and Frank R. de Grijl.
- 585 **Estrogen Receptor Messenger RNA Splice Variants Are Not Involved in Antiestrogen Resistance in Sublines of MCF-7 Human Breast Cancer Cells.** Mogens W. Madsen, Birgit E. Reiter, Søren S. Larsen, Per Briand, and Anne E. Lykkesfeldt.
- 590 **Genetic Dissection of Susceptibility to Murine Ovarian Teratomas That Originate from Parthenogenetic Oocytes.** Gang-Hong Lee, James M. Bugni, Masahiko Obata, Hiroyuki Nishimori, Katsuhiko Ogawa, and Norman R. Drinkwater.
- 594 **Identification and Characterization of Differentially Methylated Regions of Genomic DNA by Methylation-sensitive Arbitrarily Primed PCR.** Mark L. Gonzalzo, Gangning Liang, Charles H. Spruck III, Jean-Marc Zingg, William M. Rideout III, and Peter A. Jones.
- 600 **Differential Regulation of Cell Cycle Characteristics and Apoptosis in MMTV-myc and MMTV-ras Mouse Mammary Tumors.** Jeff E. Hundley, Steven K. Koester, Dean A. Troyer, Susan G. Hilsenbeck, Rebecca E. Barrington, and Jolene J. Windle.
- 604 **Lovastatin Induction of Cyclin-dependent Kinase Inhibitors in Human Breast Cells Occurs in a Cell Cycle-independent Fashion.** Julie Gray-Bablin, Sharmila Rao, and Khandan Keyomarsi.
- 610 **Telomerase Activity in Human Endometrium.** Satoru Kyo, Masahiro Takakura, Takafumi Kohama, and Masaki Inoue.
- 615 **CRADD, a Novel Human Apoptotic Adaptor Molecule for Caspase-2, and FasL/Tumor Necrosis Factor Receptor-interacting Protein RIP.** Manzoor Ahmad, Srinivasa M. Srinivasula, Lijuan Wang, Robert V. Talanian, Gerald Litwack, Teresa Fernandes-Alnemri, and Emad S. Alnemri.

Regular Articles

Biochemistry and Biophysics

- 620 **Induction of DNA Topoisomerase II-mediated DNA Cleavage by β -Lapachone and Related Naphthoquinones.** Benjamin Frydman, Laurence J. Marton, Jerry S. Sun, Karen Neder, Donald T. Witiak, Angela A. Liu, Hui-Min Wang, Yong Mao, Hong-Yan Wu, Marilyn M. Sanders, and Leroy F. Liu.
- 628 **Involvement of Extracellular Signal-regulated Kinase 2 and Stress-activated Protein Kinase/Jun *N*-Terminal Kinase Activation by Transforming Growth Factor β in the Negative Growth Control of Breast Cancer Cells.** Randall S. Frey and Kathleen M. Mulder.
- 634 **Loss of a Novel Mucin-like Epithelial Glycoprotein in Oral and Cervical Squamous Cell Carcinomas.** Peter A. Nielsen, Ulla Mandel, Marianne H. Therkildsen, Vibeke Ravn, Leonor David, Celso A. Reis, Hans H. Wandall, Erik Dabelsteen, and Henrik Clausen.

Carcinogenesis

- 641 ***In Vivo* Activation of Aflatoxin B₁ in C57BL/6N Mice Carrying a Human Fetus-specific *CYP3A7* Gene.** Yong Li, Tsuyoshi Yokoi, Motoya Katsuki, Jia-Sheng Wang, John D. Groopman, and Tetsuya Kamataki.
- 646 **Loss of p53 Is an Early Event in Induction of Brain Tumors in Mice by Transplacental Carcinogen Exposure.** Hideaki Oda, Shaomin Zhang, Naomi Tsurutani, Seiichiro Shimizu, Yoko Nakatsuru, Shinichi Aizawa, and Takatoshi Ishikawa.

Clinical Investigations

- 651 **DNA Excision Repair Profiles of Normal and Leukemic Human Lymphocytes: Functional Analysis at the Single-Cell Level.** Claudia Buschfort, Mark R. Müller, Siegfried Seeber, Manfred F. Rajewsky, and Jürgen Thomale.

Experimental Therapeutics

- 659 **Indium-111-Diethylenetriaminepentaacetic Acid-Octreotide Is Delivered *in Vivo* to Pancreatic, Tumor Cell, Renal, and Hepatocyte Lysosomes.** James R. Duncan, Mary T. Stephenson, Herman P. Wu, and Carolyn J. Anderson.
- 672 **Stable Translocations Detected by Fluorescence *in Situ* Hybridization: A Rapid Surrogate End Point to Evaluate the Efficacy of a Potentiator of Tumor Response to Radiotherapy.** Mary S. Kovacs, Kazuo Yudoh, James W. Evans, Douglas Menke, and J. Martin Brown.
- 678 **Development of a Severe Combined Immunodeficiency (SCID) Mouse Model Consisting of Highly Disseminated Human B-Cell Leukemia/Lymphoma, Cure of the Tumors by Systemic Administration of Immunotoxin, and Development/Application of a Clonotype-specific Polymerase Chain Reaction-based Assay.** Minoru Yoshida, Rachel J. Rybak, Youngnim Choi, Steven J. Greenberg, Maurice Barcos, Akira Kawata, Fumihiko Matsuno, Hilda Tsai, and Ben K. Seon.

- 686 **Increased *gadd153* Messenger RNA Level Is Associated with Apoptosis in Human Leukemic Cells Treated with Etoposide.** Béatrice Eymin, Laurence Dubrez, Michèle Allouche, and Eric Solary.
- 696 **Preclinical Studies with FcγR Bispecific Antibodies and Granulocyte Colony-stimulating Factor-primed Neutrophils as Effector Cells against HER-2/neu Overexpressing Breast Cancer.** Bernhard Stockmeyer, Thomas Valerius, Roland Repp, Ingmar A. F. M. Heijnen, Hans-Jörg Bühring, Yashwant M. Deo, Joachim R. Kalden, Martin Gramatzki, and Jan G. J. van de Winkel.
- 702 **Inhibition of Estrone Sulfatase and Proliferation of Human Breast Cancer Cells by Nonsteroidal (*p*-*O*-Sulfamoyl)-*N*-alkanoyl Tyramines.** Kyle W. Selcer, Priya V. Hegde, and Pui-Kai Li.
- 708 **Farnesyl Transferase Inhibitors Induce Apoptosis of Ras-transformed Cells Denied Substratum Attachment.** Peter F. Lebowitz, Daitoku Sakamuro, and George C. Prendergast.
- 714 **Down-Regulation of Prostate-specific Antigen Expression by Finasteride through Inhibition of Complex Formation between Androgen Receptor and Steroid Receptor-binding Consensus in the Promoter of the *PSA* Gene in LNCaP Cells.** Long Gui Wang, Xiao Mei Liu, Willi Kreis, and Daniel R. Budman.
- 720 **Chemosensitizing Steroids: Glucocorticoid Receptor Agonists Capable of Inhibiting P-Glycoprotein Function.** Donald J. Gruol and Suzanne Bourgeois.

Immunology

- 728 **Induction of Antitumor Immunity by an Anti-Idiotypic Antibody Mimicking Carcinoembryonic Antigen.** Shehla Pervin, Mala Chakraborty, Malaya Bhattacharya-Chatterjee, Hasan Zeytin, Kenneth A. Foon, and Sunil K. Chatterjee.
- 735 **Analysis of MAGE-3-specific Cytolytic T Lymphocytes in Human Leukocyte Antigen-A2 Melanoma Patients.** Danila Valmori, Danielle Liénard, Gary Waanders, Donata Rimoldi, Jean-Charles Cerottini, and Pedro Romero.

Molecular Biology and Genetics

- 742 ***HLA-DRB1*0101* and **0405* as Protective Alleles in Japanese Patients with Renal Cell Carcinoma.** Enver Özdemir, Yoshiyuki Kakehi, Eijiro Nakamura, Hideo Kinoshita, Toshiro Terachi, Yusaku Okada, and Osamu Yoshida.
- 747 ***p53* Mutations and Chromosome Instability in Basal Cell Carcinomas Developed at an Early or Late Age.** Mariarosaria D'Errico, Angelo S. Calcagnile, Rosamaria Corona, Monica Fucci, Giorgio Annessi, Giannandrea Baliva, Maria Elena Tosti, Paolo Pasquini, and Eugenia Dogliotti.
- 753 **Cyclin B1 Availability Is a Rate-limiting Component of the Radiation-induced G₂ Delay in HeLa Cells.** Gary D. Kao, W. Gillies McKenna, Amit Maity, Kenneth Blank, and Ruth J. Muschel.
- 759 **Identification of a Breast Cancer-specific Gene, *BCSG1*, by Direct Differential cDNA Sequencing.** Hongjun Ji, Yiliang E. Liu, Tongli Jia, Mingsheng Wang, Jingwen Liu, Guowei Xiao, Benjamin K. Joseph, Craig Rosen, and Y. Eric Shi.

Tumor Biology

- 765 **Neovasculature Induced by Vascular Endothelial Growth Factor Is Fenestrated.** W. Gregory Roberts and George E. Palade.
- 773 **Tumor-associated Hyaluronic Acid: A New Sensitive and Specific Urine Marker for Bladder Cancer.** Vinata B. Lokeshwar, Can Öbek, Mark S. Soloway, and Norman L. Block.
- 778 **Tumor-derived Hyaluronidase: A Diagnostic Urine Marker for High-Grade Bladder Cancer.** Henri T. Pham, Norman L. Block, and Vinata B. Lokeshwar.
- 784 **Macrophage Colony-stimulating Factor Gene Transduction into Human Lung Cancer Cells Differentially Regulates Metastasis Formations in Various Organ Microenvironments of Natural Killer Cell-depleted SCID Mice.** Seiji Yano, Yasuhiko Nishioka, Hiroshi Nokihara, and Saburo Sone.

791 Announcements

Future Annual Meetings of the AACR
 1997 Annual Meeting
 Workshop on Histopathobiology of Cancer
 Workshop on Molecular Biology in Clinical Oncology
 Workshop on Methods in Clinical Cancer Research
 AACR Special Conferences in Cancer Research
 Calendar of Events
 Recent Death

793 Errata

E. Leygue *et al.*, 56: 4606–4609, 1996.
 C. Sengstag *et al.*, 56: 5457–5465, 1996.

794 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:

Advance Registration Form for the
 88th Annual Meeting

Guidelines for Submitting Disks to
 AACR Publications

Cancer Research

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

57 (4)

Cancer Res 1997;57:559-793.

Updated version Access the most recent version of this article at:
<http://cancerres.aacrjournals.org/content/57/4.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/57/4.citation>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.