



CONTENTS

Advances in Brief

- 377 **Mutation of the *Multiple Endocrine Neoplasia Type 1* Gene in Nonfamilial, Malignant Tumors of the Endocrine Pancreas.** Ola Hessman, Daniel Lindberg, Britt Skogseid, Tobias Carling, Per Hellman, Jonas Rastad, Göran Åkerström, and Gunnar Westin.
- 380 **FLT3 Ligand Administration Inhibits Tumor Growth in Murine Melanoma and Lymphoma.** Clemens Esche, Vladimir M. Subbotin, Charles Maliszewski, Michael T. Lotze, and Michael R. Shurin.
- 384 **The Antiviral Agent Cidofovir [(S)-1-(3-Hydroxy-2-phosphonylmethoxypropyl) Cytosine] Has Pronounced Activity against Nasopharyngeal Carcinoma Grown in Nude Mice.** Johan Neyts, Robert Sadler, Erik De Clercq, Nancy Raab-Traub, and Joseph S. Pagano.
- 389 **Atypical Adenomatous Hyperplasia of the Prostate: A Premalignant Lesion?** Liang Cheng, Ailin Shan, John C. Cheville, Junqi Qian, and David G. Bostwick.
- 392 **Progesterin Regulation of Vascular Endothelial Growth Factor in Human Breast Cancer Cells.** Salman M. Hyder, Lata Murthy, and George M. Stancel.
- 396 **p53 and pRb Prevent Rereplication in Response to Microtubule Inhibitors by Mediating a Reversible G₁ Arrest.** Shireen Hussain Khan and Geoffrey M. Wahl.
- 402 **Chemopreventive Isothiocyanates Induce Apoptosis and Caspase-3-like Protease Activity.** Rong Yu, Sandhya Mandekar, Kevin J. Harvey, David S. Ucker, and A-N. Tony Kong.
- 409 **Chemopreventive Activity of Celecoxib, a Specific Cyclooxygenase-2 Inhibitor, against Colon Carcinogenesis.** Toshihiko Kawamori, Chinthalapally V. Rao, Karen Seibert, and Bandaru S. Reddy.

Regular Articles

Biochemistry and Biophysics

- 413 **Reduction in the Radiation-induced Late S Phase and G₂ Blocks in HL-60 Cell Populations by Amiloride, an Efficient Inhibitor of the Na⁺/H⁺ Transporter.** Brian L. Sailer, Anna M. Barrasso, Joseph G. Valdez, José M. Cobo, Joseph A. D'Anna, and Harry A. Crissman.

Carcinogenesis

- 421 **Selective Induction of Leukemia-associated Fusion Genes by High-Dose Ionizing Radiation.** Michael W. N. Deininger, Shikha Bose, Joanna Gora-Tybor, Xiu-Hua Yan, John M. Goldman, and Junia V. Melo.

Clinical Investigations

- 426 **Expression of HMGI(Y) Proteins in Squamous Intraepithelial and Invasive Lesions of the Uterine Cervix.** Antonella Bandiera, Daniela Bonifacio, Guidalberto Manfioletti, Fiamma Mantovani, Alessandra Rustighi, Fabrizio Zanconati, Alfredo Fusco, Luigi Di Bonito, and Vincenzo Giancotti.
- 432 **Cysteine Proteinase Inhibitor Cystatin A in Breast Cancer.** Teijo Kuopio, Ari Kankaanranta, Päivi Jalava, Pauliina Kronqvist, Tero Kotkansalo, Ekkehard Weber, and Yrjö Collan.

Endocrinology

- 437 **Comparison of ¹¹¹In-labeled Somatostatin Analogues for Tumor Scintigraphy and Radionuclide Therapy.** Marion de Jong, Wout A. P. Breeman, Willem H. Bakker, Peter P. M. Kooij, Bert F. Bernard, Leo J. Hofland, Theo J. Visser, Ananth Srinivasan, Michelle A. Schmidt, Jack L. Erion, Joseph E. Bugaj, Helmut R. Mäcke, and Eric P. Krenning.

Epidemiology and Prevention

- 442 **Calcium and Fructose Intake in Relation to Risk of Prostate Cancer.** Edward Giovannucci, Eric B. Rimm, Alicja Wolk, Alberto Ascherio, Meir J. Stampfer, Graham A. Colditz, and Walter C. Willett.
- 448 **A Lack of Neuroblastoma in Down Syndrome: A Study from 11 European Countries.** Daniel Satgé, Annie J. Sasco, Niels L. T. Carlsen, Charles A. Stiller, Hervé Rubie, Barbara Hero, Bruno de Bernardi, Jan de Kraker, Carole Coze, Per Kogner, Froydis Langmark, Friederike G. A. J. Hakvoort-Cammel, Daniel Beck, Nicolas von der Weid, Sheila Parkes, Olivier Hartmann, Robert J. J. Lippens, Willem A. Kamps, and Danièle Sommelet.

Experimental Therapeutics

- 453 **Detection of Mitomycin C-DNA Adducts *in Vivo* by ³²P-Postlabeling: Time Course for Formation and Removal of Adducts and Biochemical Modulation.** Amy J. Warren, Alexander E. Maccubbin, and Joshua W. Hamilton.
- 462 **Angiogenesis Inhibitor TNP-470 Inhibits Human Breast Cancer Osteolytic Bone Metastasis in Nude Mice through the Reduction of Bone Resorption.** Akira Sasaki, Rafael E. Alcalde, Akiyoshi Nishiyama, Darwin D. Lim, Hiroshi Mese, Hitoshi Akedo, and Tomohiro Matsumura.
- 468 **Metabolism of Irinotecan (CPT-11) by Human Hepatic Microsomes: Participation of Cytochrome P-450 3A and Drug Interactions.** Marie-Christine Haaz, Laurent Rivory, Christian Riché, Laurent Vernillet, and Jacques Robert.
- 473 **Failure of Iron Chelators to Reduce Tumor Growth in Human Neuroblastoma Xenografts.** Ruth A. Selig, Les White, Cilinia Gramacho, Katy Sterling-Levis, Ian W. Fraser, and Daya Naidoo.
- 479 **Beyond Tamoxifen: The Retinoid X Receptor-selective Ligand LGD1069 (TARGRETIN) Causes Complete Regression of Mammary Carcinoma.** Eric D. Bischoff, Marco M. Gottardis, Thomas E. Moon, Richard A. Heyman, and William W. Lamph.

Immunology

- 485 **Increased Affinity Leads to Improved Selective Tumor Delivery of Single-Chain Fv Antibodies.** Gregory P. Adams, Robert Schier, Keith Marshall, Ellen J. Wolf, Adrian M. McCall, James D. Marks, and Louis M. Weiner.
- 491 **Recombinant Interleukin 12 Enhances Cellular Immune Responses to Vaccination Only after a Period of Suppression.** Holly Kurzawa, Maria Wysocka, Etsuko Aruga, Alfred E. Chang, Giorgio Trinchieri, and William M. F. Lee.

Molecular Biology and Genetics

- 500 **Overexpression of the Nonpancreatic Secretory Group II PLA₂ Messenger RNA and Protein in Colorectal Adenomas from Familial Adenomatous Polyposis Patients.** Brian P. Kennedy, Claudio Soravia, Jason Moffat, Ling Xia, Tadaaki Hiruki, Susan Collins, Steven Gallinger, and Bharati Bapat.
- 504 **Loss of Heterozygosity and Somatic Mutations of the VHL Tumor Suppressor Gene in Sporadic Cerebellar Hemangioblastomas.** Jung-Young Lee, Seung-Myung Dong, Won-Sang Park, Nam-Jin Yoo, Choo-Soung Kim, Ja-Jun Jang, Je-Geun Chi, Berton Zbar, Irina A. Lubensky, W. Marston Linehan, Alexander O. Vortmeyer, and Zhengping Zhuang.
- 509 **Analysis of PTEN/MMAC1 Alterations in Aerodigestive Tract Tumors.** Kenji Okami, Li Wu, Greg Riggins, Paul Cairns, Michael Goggins, Ella Evron, Naomi Halachmi, Steven A. Ahrendt, Andre L. Reed, Werner Hilgers, Scott E. Kern, Wayne M. Koch, David Sidransky, and Jin Jen.
- 512 **Lewis and Secretor Gene Dosages Affect CA19-9 and DU-PAN-2 Serum Levels in Normal Individuals and Colorectal Cancer Patients.** Hisashi Narimatsu, Hiroko Iwasaki, Fumiaki Nakayama, Yuzuru Ikehara, Takashi Kudo, Shoko Nishihara, Kokichi Sugano, Hisanao Okura, Shin Fujita, and Setsuo Hirohashi.
- 519 **An Oligopeptide Transporter Is Expressed at High Levels in the Pancreatic Carcinoma Cell Lines AsPc-1 and Capan-2.** Deborah E. Gonzalez, Kuang-Ming Y. Covitz, Wolfgang Sadée, and Randall J. Mrsny.
- 535 **Disseminated Growth of Murine Plasmacytoma: Similarities to Multiple Myeloma.** Viktor Roschke, Petr Hausner, Eugene Kopantzev, Janet G. Pumphrey, Mara Riminucci, David M. Hilbert, and Stuart Rudikoff.
- 542 **Loss of Cyclin-dependent Kinase Inhibitor p27^{Kip1} Is a Novel Prognostic Factor in Localized Human Prostate Adenocarcinoma.** John Tsihlias, Linda R. Kapusta, Gerrit DeBoer, Izabella Morava-Protzner, Ingrid Zbieranowski, Nandita Bhattacharya, G. Charles Catzavelos, Laurence H. Klotz, and Joyce M. Slingerland.
- 549 **Down-regulation of TSC-22 (Transforming Growth Factor β -stimulated Clone 22) Markedly Enhances the Growth of a Human Salivary Gland Cancer Cell Line *in Vitro* and *in Vivo*.** Koh-ichi Nakashiro, Hitoshi Kawamata, Satoshi Hino, Daisuke Uchida, Yoshihiro Miwa, Hironori Hamano, Fumie Omotehara, Hideo Yoshida, and Mitsunobu Sato.
- 556 **Differentiation Inducers Modulate Cytokine Signaling Pathways in a Murine Erythroleukemia Cell Line.** Takayuki Yamashita, Hiroshi Wakao, Atsushi Miyajima, and Shigetaka Asano.
- 562 **Enforced TAL-1 Expression Stimulates Primitive, Erythroid, and Megakaryocytic Progenitors but Blocks the Granulopoietic Differentiation Program.** M. Valtieri, A. Tocci, M. Gabbianelli, L. Luchetti, B. Masella, L. Vitelli, R. Botta, U. Testa, G. L. Condorelli, and C. Peschle.
- 570 **Expression of the Insulin-like Growth Factor I Receptor C Terminus as a Myristylated Protein Leads to Induction of Apoptosis in Tumor Cells.** Yimao Liu, Sophie Lehar, Christopher Corvi, Gillian Payne, and Rosemary O'Connor.

Tumor Biology

- 526 **Colon Carcinoma Cells Use Different Mechanisms to Escape CD95-mediated Apoptosis.** Ulrike von Reyher, Jörn Sträter, Walter Kittstein, Michael Gschwendt, Peter H. Kramer, and Peter Möller.

577 Announcements

1998 Annual Meeting
Future Annual Meetings of the AACR
Late-Breaking Research Session at the
AACR 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
Recent Deaths
Calendar of Events

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
85th Annual Meeting

Guidelines for Submitting Disks to
AACR Publications

580 Author Index

1998 AACR Annual Meeting

March 28–April 1, 1998
New Orleans, LA

For complete information about the meeting, visit the AACR Website at

<http://www.aacr.org>

Cancer Research

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

58 (3)

Cancer Res 1998;58:377-579.

Updated version Access the most recent version of this article at:
<http://cancerres.aacrjournals.org/content/58/3.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/58/3.citation>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.