



CONTENTS§

Asterisks * preceding page numbers refer to studies using human-derived material.

- Public Issues**
- 753 Training in Clinical Research in Oncology. Brian W. Kimes, Vincent Cairoli, Emil J Freireich, Judith Karp, and Stringner Sue Yang.
- Perspectives in Cancer Research**
- 757 Tumor Transplantation and Tumor Immunity: A Personal View. O. C. A. Scott.
-
- 764 Induction of *in Vitro* Differentiation of Mouse Erythroleukemia Cells by Genistein, an Inhibitor of Tyrosine Protein Kinases. Toshio Watanabe, Kazuhiro Kondo, and Michio Oishi.
- * 769 A Role for the Interleukin 1 Receptor in the Synergistic Antitumor Effects of Human Interleukin 1 α and Etoposide against Human Melanoma Cells. Noriko Usui, Edward G. Mimnaugh, and Birandra K. Sinha.
- 775 Heterogeneous Repair of Methylnitrosourea-induced Alkali-labile Sites in Different DNA Sequences. Susan P. LeDoux, Mrudula Thangada, Vilhelm A. Bohr, and Glenn L. Wilson.
- * 780 Lonidamine as a Modulator of Alkylating Agent Activity *in Vitro* and *in Vivo*. Beverly A. Teicher, Terence S. Herman, Sylvia A. Holden, Ron Epelbaum, Shi-de Liu, and Emil Frei III.
- 785 Enhancement by Methionine Enkephalin of Colon Carcinogenesis Induced by Azoxy methane. Hiroyasu Iishi, Masaharu Tatsuta, Miyako Baba, Shigeru Okuda, and Haruo Taniguchi.
- * 789 Role of Polyglutamates in Biochemical Modulation of Fluoropyrimidines by Leucovorin. Antonella Romanini, James T. Lin, Donna Niedzwiecki, Marlene Bunni, David G. Priest, and Joseph R. Bertino.
- * 794 Production of Large Amounts of Hydrogen Peroxide by Human Tumor Cells. Ted P. Szatrowski and Carl F. Nathan.
- * 799 Multiparametric Flow Cytometry of the Modulation of Tumor Cell Membrane Permeability by Developmental Antitumor Ether Lipid SRI 62-834 in EMT6 Mouse Mammary Tumor and HL-60 Human Promyelocytic Leukemia Cells. Caroline Dive, James V. Watson, and Paul Workman.
- 807 Hexadecylphosphocholine Inhibits Inositol Phosphate Formation and Protein Kinase C Activity. Florian Überall, Hermann Oberhuber, Karl Maly, John Zaknun, Lars Demuth, and Hans H. Grunicke.
- 813 Inhibitory Effects of Curcumin on *in Vitro* Lipoxygenase and Cyclooxygenase Activities in Mouse Epidermis. Mou-Tuan Huang, Thomas Lysz, Thomas Ferraro, Tanveer F. Abidi, Jeffrey D. Laskin, and Allan H. Conney.
- * 820 Allelotype of Renal Cell Carcinoma. Ryoji Morita, Jiro Ishikawa, Masayoshi Tsutsumi, Kazumasa Hikiji, Yutaka Tsukada, Sadao Kamidono, Sakan Maeda, and Yusuke Nakamura.
- 824 Effects of Phenolic Antioxidants in Low Dose Combination on Forestomach Carcinogenesis in Rats Pretreated with *N*-Methyl-*N'*-nitro-*N*-nitrosoguanidine. Masao Hirose, Mamoru Mutai, Satoru Takahashi, Mayumi Yamada, Shoji Fukushima, and Nobuyuki Ito.
- * 828 Plasma Homocysteine in Children with Acute Lymphoblastic Leukemia: Changes during a Chemotherapeutic Regimen Including Methotrexate. Helga Refsum, Finn Wesenberg, and Per Magne Ueland.
- * 836 Phase I Trial of Natural Human Interferon β in Metastatic Malignancy. Ronald M. Bukowski, James S. Sergi, William J. Sharfman, G. Thomas Budd, Siva Murthy, Barbara Barna, Sharon V. Medendorp, B. Yen-Lieberman, Vicki Gibson, Laurie Bauer, and Rafael Valenzuela.
- 841 An *ex Vivo* Model for the Study of Tumor Metabolism by Nuclear Magnetic Resonance: Characterization of the Phosphorus-31 Spectrum of the Isolated Perfused Morris Hepatoma 7777. Robert A. Graham, Truman R. Brown, and Ronald A. Meyer.
- 850 4 β - and 4 α -12-*O*-Tetradecanoylphorbol-13-acetate Elicit Arachidonate Release from Epidermal Cells through Different Mechanisms. Susan M. Fischer, Kelly E. Patrick, Marilyn L. Lee, and Gregory S. Cameron.
- * 857 Induction of Cytokine Messenger RNA and Secretion in Alveolar Macrophages and Blood Monocytes from Patients with Lung Cancer Receiving Granulocyte-Macrophage Colony-stimulating Factor Therapy. Mary Jane Thomassen, Muzaffar Ahmad, Barbara P. Barna, Joyce Antal, Herbert P. Wiedemann, David P. Meeker, John Klein, Laurie Bauer, Vicki Gibson, Steven Andresen, and Ronald M. Bukowski.
- 863 Tumor-induced Alterations in Tissue Lipoprotein Lipase Activity and mRNA Levels. Yoshikazu Noguchi, Nadarajen A. Vydelingum, Riad N. Younes, Susan K. Fried, and Murray F. Brennan.
- * 870 Variability of 5-Bromo-2'-deoxyuridine Incorporation into DNA of Human Glioma Cell Lines and Modulation with Fluoropyrimidines. William R. Mancini, Philip L. Stetson, Theodore S. Lawrence, John G. Wagner, Harry S. Greenberg, and William D. Ensminger.
- 875 *In Vivo* Activity of Solid Phase Interleukin 2. Edward D. Crum and David R. Kaplan.
- 880 Effects of Indomethacin, Cytokines, and Cyclosporin A on Tumor Growth and the Subsequent Development of Cancer Cachexia. Johan Gelin, Christer Andersson, and Kent Lundholm.
- 886 A Cyclophosphamide/DNA Phosphoester Adduct Formed *in Vitro* and *in Vivo*. Alexander E. Maccubbin, Lida Caballes, James M. Riordan, Dee H. Huang, and Hira L. Gurtoo.
- 893 Suppression of Dexamethasone-induced Metallothionein Expression and *cis*-Diamminedichloroplatinum(II) Resistance by *v-mos*. Alakananda Basu and John S. Lazo.
- * 897 Solutol HS 15, Nontoxic Polyoxyethylene Esters of 12-Hydroxystearic Acid, Reverses Multidrug Resistance. John S. Coon, Warren Knudson, Kathleen Clodfelter, Bing Lu, and Ronald S. Weinstein.
- * 903 Inhibition of Angiogenesis and Tumor Growth by a Synthetic Laminin Peptide, CDPGYIGSR-NH₂. Noritsugu Sakamoto, Michio Iwahana, Noriko G. Tanaka, and Yasuaki Osada.

§ The CONTENTS arranged by Subject Category can be found immediately following these CONTENTS.

- 907 **Effects of Type of Dietary Fat on Phorbol Ester-elicited Tumor Promotion and Other Events in Mouse Skin.** Julius Leyton, Marilyn L. Lee, Mary Locniskar, Martha A. Belury, Thomas J. Slaga, David Bechtel, and Susan M. Fischer.
- 916 **Internalization and Action of an Immunotoxin Containing Mistletoe Lectin A-Chain.** Antoni Więdocha, Kirsten Sandvig, Hermann Walzel, Czeslaw Radzikowski, and Sjur Olsnes.
- 921 **Suppression of Experimental Lung Colonization of a Metastatic Variant of Murine Colon Adenocarcinoma 26 by a Monoclonal Antibody 8F11 Inhibiting Tumor Cell-induced Platelet Aggregation.** Yoshikazu Sugimoto, Masahiko Watanabe, Tomoko Ohhara, Shigeo Sato, Toshiyuki Isoe, and Takashi Tsuruo.
- *926 **Characterization of the Colorectal Carcinoma-associated Antigen Defined by Monoclonal Antibody D612.** Philip D. Fernsten, F. James Primus, John W. Greiner, Jean F. Simpson, and Jeffrey Schlom.
- *935 **Phase I Clinical Investigation of Benzisoquinolinedione (Amonafide) in Adults with Refractory or Relapsed Acute Leukemia.** Susan O'Brien, John A. Benvenuto, Elihu Estey, Miloslav Beran, Tyrone B. Felder, and Michael Keating.
- *939 **Complementary DNA Encoding Human Colon Cancer Manganese Superoxide Dismutase and the Expression of Its Gene in Human Cells.** Daret K. St. Clair and John C. Holland.
- *944 **Follow-up Study of HER-2/*neu* Amplification in Primary Breast Cancer.** Gary M. Clark and William L. McGuire.
- *949 **Allelic Loss at Chromosome 3p Characterizes Clear Cell Phenotype of Renal Cell Carcinoma.** Osamu Ogawa, Yoshiyuki Kakehi, Katsuhiko Ogawa, Masahiro Koshiba, Taketoshi Sugiyama, and Osamu Yoshida.
- *954 **Cytogenetic Analysis of 33 Basal Cell Carcinomas.** Fredrik Mertens, Sverre Heim, Nils Mandahl, Bertil Johansson, Ove Mertens, Bertil Persson, Lars Salemark, Johan Wennerberg, Nils Jonsson, and Felix Mitelman.
- 958 **Carcinogen-induced Lymphomagenesis in *pim-1* Transgenic Mice: Dose Dependence and Involvement of *myc* and *ras*.** Marco Breuer, Ellen Wientjens, Sjef Verbeek, Robert Slebos, and Anton Berns.
- *964 **Peripheral Blood and Bone Marrow Immunophenotypic and Functional Modifications Induced in Acute Leukemia Patients Treated with Interleukin 2: Evidence of *in Vivo* Lymphokine Activated Killer Cell Generation.** Robert Foa, Anna Guarini, Anna Gillio Tos, Silvia Cardona, Maria Teresa Fierro, Giovanna Meloni, Silvia Tosti, Franco Mandelli, and Felice Gavosto.
- 969 **An Unexpected Biotransformation Pathway for Tetrachloro-(*d,l-trans*)-1,2-diaminocyclohexaneplatinum(IV) (Tetraplatin) in the L1210 Cell Line.** Stephen G. Chaney, Gregory R. Gibbons, Steven D. Wyrick, and Paula Podhasky.
- *974 **Induction of Heme Oxygenase: A General Response to Oxidant Stress in Cultured Mammalian Cells.** Lee Ann Applegate, Patrick Luscher, and Rex M. Tyrrell.
- 979 **Development of Skin Tumors in Hairless Mice after Discontinuation of Ultraviolet Irradiation.** Frank R. de Grujil and Jan C. van der Leun.
- 985 **Hypomethylation and Reactivation of the Asparagine Synthetase Gene Induced by L-Asparaginase and Ethyl Methanesulfonate.** Katharine S. Worton, Robert S. Kerbel, and Irene L. Andrusis.
- *990 **Scintigraphic Detection of Overexpressed *c-erbB-2* Protooncogene Products by a Class-switched Murine Anti-*c-erbB-2* Protein Monoclonal Antibody.** Tsuneo Saga, Keigo Endo, Tetsu Akiyama, Harumi Sakahara, Mitsuru Koizumi, Yuji Watanabe, Toshiharu Nakai, Makoto Hosono, Tadashi Yamamoto, Kumao Toyoshima, and Junji Konishi.
- *995 **Development and Characterization of a Melphalan-resistant Human Multiple Myeloma Cell Line.** William T. Bellamy, William S. Dalton, Mary C. Gleason, Thomas M. Grogan, and Jeffrey M. Trent.
- 1003 **Effect of Interclonal Heterogeneity on the Progressive, Confluence-mediated Acquisition of the Focus-forming Phenotype in NIH-3T3 Populations.** Ralph Grundel and Harry Rubin.
- *1014 **Detection of Human Papillomavirus DNA in Anal Intraepithelial Neoplasia and Anal Cancer.** Joel M. Palefsky, Elizabeth A. Holly, John Gonzales, Jennifer Berline, David K. Ahn, and John S. Greenspan.
- *1020 **Frequent Somatic Imbalance of Marker Alleles for Chromosome 1 in Human Primary Breast Carcinoma.** Peter Devilee, Margrethe van Vliet, Alfons Bardeol, Tim Kievits, Nel Kuipers-Dijkshoorn, Peter L. Pearson, and Cees J. Cornelisse.
- 1026 **Relationship of Pancreatic Cancer Apomucin to Mammary and Intestinal Apomucins.** James C. Byrd, Jenny J. L. Ho, Derek T. A. Lamport, Samuel B. Ho, Bader Siddiki, Jian Huang, Pei-Sha Yan, and Young S. Kim.
- *1034 **Evaluation of Immunoreactivity for *erbB-2* Protein as a Marker of Poor Short Term Prognosis in Gastric Cancer.** Yutaka Yonemura, Itasu Ninomiya, Akio Yamaguchi, Sachio Fushida, Hironobu Kimura, Shigekazu Ohoyama, Ituo Miyazaki, Yoshio Endou, Motohiro Tanaka, and Takuma Sasaki.
- *1039 **Effects of Amiloride Treatment on U-118 MG and U-251 MG Human Glioma and HT-29 Human Colon Carcinoma Cells.** Erika Szolgay-Daniel, Jörgen Carlsson, Karl Zierold, Georg Holtermann, Evelyne Dufau, and Helmut Acker.
- 1045 **Promoter Independence as a Feature of Most Skin Papillomas in SENCAR Mice.** C. Marcelo Aldaz, Claudio J. Conti, Aaron Chen, Albert Bianchi, S. Beth Walker, and John DiGiovanni.

Advances in Brief

- 1051 **Expression of *cripto*, a Novel Gene of the Epidermal Growth Factor Gene Family, Leads to *in Vitro* Transformation of a Normal Mouse Mammary Epithelial Cell Line.** Fortunato Ciardiello, Rosanna Dono, Nancy Kim, Maria Graziella Persico, and David S. Salomon.
- 1055 **Announcements**
 Eighty-second Annual Meeting of the AACR
 AACR Special Conferences in Cancer Research
 Future Annual Meetings of the AACR
 Recent Deaths
 Calendar of Events
- 1057 **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 82nd Annual Meeting

Also available in the back of this issue—
**GUIDELINES FOR SUBMITTING DISKETTES TO
 CANCER RESEARCH**

Cancer Research

VOLUME 51 • NUMBER 3

CONTENTS Arranged by Subject Category

Public Issues

- 753 **Training in Clinical Research in Oncology.** Brian W. Kimes, Vincent Cairoli, Emil J Freireich, Judith Karp, and Stringner Sue Yang.

Perspectives in Cancer Research

- 757 **Tumor Transplantation and Tumor Immunity: A Personal View.** O. C. A. Scott.

BASIC SCIENCES

Biochemistry and Biophysics

- 775 **Heterogeneous Repair of Methylnitrosourea-induced Alkali-labile Sites in Different DNA Sequences.** Susan P. LeDoux, Mrudula Thangada, Vilhelm A. Bohr, and Glenn L. Wilson.
- 841 **An *ex Vivo* Model for the Study of Tumor Metabolism by Nuclear Magnetic Resonance: Characterization of the Phosphorus-31 Spectrum of the Isolated Perfused Morris Hepatoma 7777.** Robert A. Graham, Truman R. Brown, and Ronald A. Meyer.
- 969 **An Unexpected Biotransformation Pathway for Tetrachloro-(*d,l*-*trans*)-1,2-diaminocyclohexaneplatinum(IV) (Tetraplatin) in the L1210 Cell Line.** Stephen G. Chaney, Gregory R. Gibbons, Steven D. Wyrick, and Paula Podhasky.
- 1026 **Relationship of Pancreatic Cancer Apomucin to Mammary and Intestinal Apomucins.** James C. Byrd, Jenny J. L. Ho, Derek T. A. Lampion, Samuel B. Ho, Bader Siddiki, Jian Huang, Pei-Sha Yan, and Young S. Kim.

Carcinogenesis

- 785 **Enhancement by Methionine Enkephalin of Colon Carcinogenesis Induced by Azoxymethane.** Hiroyasu Iishi, Masaharu Tatsuta, Miyako Baba, Shigeru Okuda, and Haruo Taniguchi.
- 813 **Inhibitory Effects of Curcumin on *in Vitro* Lipoxygenase and Cyclooxygenase Activities in Mouse Epidermis.** Mou-Tuan Huang, Thomas Lysz, Thomas Ferraro, Tanveer F. Abidi, Jeffrey D. Laskin, and Allan H. Conney.
- 824 **Effects of Phenolic Antioxidants in Low Dose Combination on Forestomach Carcinogenesis in Rats Pretreated with *N*-Methyl-*N'*-nitro-*N*-nitrosoguanidine.** Masao Hirose, Mamoru Mutai, Satoru Takahashi, Mayumi Yamada, Shoji Fukushima, and Nobuyuki Ito.
- 850 **4 β - and 4 α -12-*O*-Tetradecanoylphorbol-13-acetate Elicit Arachidonate Release from Epidermal Cells through Different Mechanisms.** Susan M. Fischer, Kelly E. Patrick, Marilyn L. Lee, and Gregory S. Cameron.
- 907 **Effects of Type of Dietary Fat on Phorbol Ester-elicited Tumor Promotion and Other Events in Mouse Skin.** Julius Leyton, Marilyn L. Lee, Mary Locniskar, Martha A. Belury, Thomas J. Slaga, David Bechtel, and Susan M. Fischer.
- *939 **Complementary DNA Encoding Human Colon Cancer Manganese Superoxide Dismutase and the Expression of Its Gene in Human Cells.** Daret K. St. Clair and John C. Holland.
- 958 **Carcinogen-induced Lymphomagenesis in *pim-1* Transgenic Mice: Dose Dependence and Involvement of *myc* and *ras*.** Marco Breuer, Ellen Wientjens, Sjef Verbeek, Robert Slebos, and Anton Berns.

* Indicates studies using human-derived material.

- *974 **Induction of Heme Oxygenase: A General Response to Oxidant Stress in Cultured Mammalian Cells.** Lee Ann Applegate, Patrick Luscher, and Rex M. Tyrrell.

- 979 **Development of Skin Tumors in Hairless Mice after Discontinuation of Ultraviolet Irradiation.** Frank R. de Grijl and Jan C. van der Leun.

- 1003 **Effect of Interclonal Heterogeneity on the Progressive, Confluence-mediated Acquisition of the Focus-forming Phenotype in NIH-3T3 Populations.** Ralph Grundel and Harry Rubin.

- 1045 **Promoter Independence as a Feature of Most Skin Papillomas in SENCAR Mice.** C. Marcelo Aldaz, Claudio J. Conti, Aaron Chen, Albert Bianchi, S. Beth Walker, and John DiGiovanni.

Immunology

- 875 ***In Vivo* Activity of Solid Phase Interleukin 2.** Edward D. Crum and David R. Kaplan.

- *926 **Characterization of the Colorectal Carcinoma-associated Antigen Defined by Monoclonal Antibody D612.** Philip D. Fernsten, F. James Primus, John W. Greiner, Jean F. Simpson, and Jeffrey Schlom.

Molecular Biology and Genetics

- *820 **Allelotype of Renal Cell Carcinoma.** Ryoji Morita, Jiro Ishikawa, Masayoshi Tsutsumi, Kazumasa Hikiji, Yutaka Tsukada, Sadao Kamidono, Sakan Maeda, and Yusuke Nakamura.

- *949 **Allelic Loss at Chromosome 3p Characterizes Clear Cell Phenotype of Renal Cell Carcinoma.** Osamu Ogawa, Yoshiyuki Kakehi, Katsuhiko Ogawa, Masahiro Koshiba, Taketoshi Sugiyama, and Osamu Yoshida.

- 985 **Hypomethylation and Reactivation of the Asparagine Synthetase Gene Induced by L-Asparaginase and Ethyl Methanesulfonate.** Katharine S. Worton, Robert S. Kerbel, and Irene L. Andrusis.

- *1020 **Frequent Somatic Imbalance of Marker Alleles for Chromosome 1 in Human Primary Breast Carcinoma.** Peter Devilee, Margrethe van Vliet, Alfons Bardeol, Tim Kievits, Nel Kuipers-Dijkshoorn, Peter L. Pearson, and Cees J. Cornelisse.

Preclinical Pharmacology and Experimental Therapeutics

- *769 **A Role for the Interleukin 1 Receptor in the Synergistic Antitumor Effects of Human Interleukin 1 α and Etoposide against Human Melanoma Cells.** Noriko Usui, Edward G. Mimnaugh, and Birandra K. Sinha.

- *780 **Lonidamine as a Modulator of Alkylating Agent Activity *in Vitro* and *in Vivo*.** Beverly A. Teicher, Terence S. Herman, Sylvia A. Holden, Ron Epelbaum, Shi-de Liu, and Emil Frei III.

- *789 **Role of Folylpolylglutamates in Biochemical Modulation of Fluoropyrimidines by Leucovorin.** Antonella Romanini, James T. Lin, Donna Niedzwiecki, Marlene Bunni, David G. Priest, and Joseph R. Bertino.

- *799 **Multiparametric Flow Cytometry of the Modulation of Tumor Cell Membrane Permeability by Developmental Antitumor Ether Lipid SRI 62-834 in EMT6 Mouse Mammary Tumor and HL-60 Human Promyelocytic Leukemia Cells.** Caroline Dive, James V. Watson, and Paul Workman.

807 Hexadecylphosphocholine Inhibits Inositol Phosphate Formation and Protein Kinase C Activity. Florian Überall, Hermann Oberhuber, Karl Maly, John Zaknun, Lars Demuth, and Hans H. Grunicke.

*870 Variability of 5-Bromo-2'-deoxyuridine Incorporation into DNA of Human Glioma Cell Lines and Modulation with Fluoropyrimidines. William R. Mancini, Philip L. Stetson, Theodore S. Lawrence, John G. Wagner, Harry S. Greenberg, and William D. Ensminger.

886 A Cyclophosphamide/DNA Phosphoester Adduct Formed *in Vitro* and *in Vivo*. Alexander E. Maccubbin, Lida Caballes, James M. Riordan, Dee H. Huang, and Hira L. Gurtoo.

893 Suppression of Dexamethasone-induced Metallothionein Expression and *cis*-Diamminedichloroplatinum(II) Resistance by *v-mos*. Alakananda Basu and John S. Lazo.

*897 Solutol HS 15, Nontoxic Polyoxyethylene Esters of 12-Hydroxystearic Acid, Reverses Multidrug Resistance. John S. Coon, Warren Knudson, Kathleen Clodfelter, Bing Lu, and Ronald S. Weinstein.

*903 Inhibition of Angiogenesis and Tumor Growth by a Synthetic Laminin Peptide, CDPGYIGSR-NH₂. Noritsugu Sakamoto, Michio Iwahana, Noriko G. Tanaka, and Yasuaki Osada.

916 Internalization and Action of an Immunotoxin Containing Mistletoe Lectin A-Chain. Antoni Więdołcha, Kirsten Sandvig, Hermann Walzel, Czesław Radzikowski, and Sjur Olsnes.

*990 Scintigraphic Detection of Overexpressed *c-erbB-2* Protooncogene Products by a Class-switched Murine Anti-*c-erbB-2* Protein Monoclonal Antibody. Tsuneo Saga, Keigo Endo, Tetsu Akiyama, Harumi Sakahara, Mitsuru Koizumi, Yuji Watanabe, Toshiharu Nakai, Makoto Hosono, Tadashi Yamamoto, Kumao Toyoshima, and Junji Konishi.

*995 Development and Characterization of a Melphalan-resistant Human Multiple Myeloma Cell Line. William T. Bellamy, William S. Dalton, Mary C. Gleason, Thomas M. Grogan, and Jeffrey M. Trent.

Tumor Biology

764 Induction of *in Vitro* Differentiation of Mouse Erythroleukemia Cells by Genistein, an Inhibitor of Tyrosine Protein Kinases. Toshio Watanabe, Kazuhiro Kondo, and Michio Oishi.

*794 Production of Large Amounts of Hydrogen Peroxide by Human Tumor Cells. Ted P. Szatrowski and Carl F. Nathan.

863 Tumor-induced Alterations in Tissue Lipoprotein Lipase Activity and mRNA Levels. Yoshikazu Noguchi, Nadarajen A. Vydellingum, Riad N. Younes, Susan K. Fried, and Murray F. Brennan.

880 Effects of Indomethacin, Cytokines, and Cyclosporin A on Tumor Growth and the Subsequent Development of Cancer Cachexia. Johan Gelin, Christer Andersson, and Kent Lundholm.

921 Suppression of Experimental Lung Colonization of a Metastatic Variant of Murine Colon Adenocarcinoma 26 by a Monoclonal Antibody 8F11 Inhibiting Tumor Cell-induced Platelet Aggregation. Yoshikazu Sugimoto, Masahiko Watanabe, Tomoko Ohhara, Shigeo Sato, Toshiyuki Isoe, and Takashi Tsuruo.

*954 Cytogenetic Analysis of 33 Basal Cell Carcinomas. Fredrik Mertens, Sverre Heim, Nils Mandahl, Bertil Johansson, Ove Mertens, Bertil Persson, Lars Salemark, Johan Wennerberg, Nils Jonsson, and Felix Mitelman.

*1034 Evaluation of Immunoreactivity for *erbB-2* Protein as a Marker of Poor Short Term Prognosis in Gastric Cancer. Yutaka Yonemura, Itasu Ninomiya, Akio Yamaguchi, Sachio Fushida, Hironobu Kimura, Shigekazu Ohoyama, Ituo Miyazaki, Yoshio Endou, Motohiro Tanaka, and Takuma Sasaki.

*1039 Effects of Amiloride Treatment on U-118 MG and U-251 MG Human Glioma and HT-29 Human Colon Carcinoma Cells. Erika Szolgay-Daniel, Jörgen Carlsson, Karl Zierold, Georg Holtermann, Evelyne Dufau, and Helmut Acker.

Virology

*1014 Detection of Human Papillomavirus DNA in Anal Intraepithelial Neoplasia and Anal Cancer. Joel M. Palefsky, Elizabeth A. Holly, John Gonzales, Jennifer Berline, David K. Ahn, and John S. Greenspan.

CLINICAL AND EPIDEMIOLOGICAL INVESTIGATIONS

828 Plasma Homocysteine in Children with Acute Lymphoblastic Leukemia: Changes during a Chemotherapeutic Regimen Including Methotrexate. Helga Refsum, Finn Wesenberg, and Per Magne Ueland.

836 Phase I Trial of Natural Human Interferon β in Metastatic Malignancy. Ronald M. Bukowski, James S. Sergi, William J. Sharfman, G. Thomas Budd, Siva Murthy, Barbara Barna, Sharon V. Medendorp, B. Yen-Lieberman, Vicki Gibson, Laurie Bauer, and Rafael Valenzuela.

857 Induction of Cytokine Messenger RNA and Secretion in Alveolar Macrophages and Blood Monocytes from Patients with Lung Cancer Receiving Granulocyte-Macrophage Colony-stimulating Factor Therapy. Mary Jane Thomassen, Muzaffar Ahmad, Barbara P. Barna, Joyce Antal, Herbert P. Wiedemann, David P. Meeker, John Klein, Laurie Bauer, Vicki Gibson, Steven Andresen, and Ronald M. Bukowski.

935 Phase I Clinical Investigation of Benzisoquinolinedione (Amonafide) in Adults with Refractory or Relapsed Acute Leukemia. Susan O'Brien, John A. Benvenuto, Elihu Estey, Miloslav Beran, Tyrone B. Felder, and Michael Keating.

944 Follow-up Study of HER-2/*neu* Amplification in Primary Breast Cancer. Gary M. Clark and William L. McGuire.

964 Peripheral Blood and Bone Marrow Immunophenotypic and Functional Modifications Induced in Acute Leukemia Patients Treated with Interleukin 2: Evidence of *in Vivo* Lymphokine Activated Killer Cell Generation. Robert Foa, Anna Guarini, Anna Gillio Tos, Silvia Cardona, Maria Teresa Fierro, Giovanna Meloni, Silvia Tosti, Franco Mandelli, and Felice Gavosto.

Advances in Brief

1051 Expression of *cripto*, a Novel Gene of the Epidermal Growth Factor Gene Family, Leads to *in Vitro* Transformation of a Normal Mouse Mammary Epithelial Cell Line. Fortunato Ciardiello, Rosanna Dono, Nancy Kim, Maria Graziella Persico, and David S. Salomon.

1055 Announcements
Eighty-second Annual Meeting of the AACR
AACR Special Conferences in Cancer Research
Future Annual Meetings of the AACR
Recent Deaths
Calendar of Events

1057 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 82nd Annual Meeting

Also available in the back of this issue—
GUIDELINES FOR SUBMITTING DISKETTES TO
CANCER RESEARCH

Cancer Research

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

51 (3)

Cancer Res 1991;51:753-1056.

Updated version Access the most recent version of this article at:
<http://cancerres.aacrjournals.org/content/51/3.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/51/3.citation>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.