



## CONTENTS\*

*Advances in Brief begin on p. 6083.*

- 5853** Distribution of Cells Expressing *myc* Proteins in Human Colorectal Epithelium, Polyps, and Malignant Tumors. Mona F. Melhem, Arnold I. Meisler, Gene G. Finley, Warren H. Bryce, Matthew O. Jones, Ilse I. Tribby, James M. Pipas, and Raymond A. Koski.
- 5865** Down-Regulation of Keratin 14 Gene Expression after *v-Ha-ras* Transfection of Human Papillomavirus-immortalized Human Cervical Epithelial Cells. P. E. Bowden, C. D. Woodworth, J. Doniger, and J. A. DiPaolo.
- 5872** Cellular Transformation by a Unique Isolate of Human Papillomavirus Type 11. Ronald C. McGlennen, Jyotsna Ghai, Ronald S. Ostrow, Kurt LaBresh, John F. Schneider, and Anthony J. Faras.
- 5879** A Comparison of the Abilities of Nitrobenzylthioinosine, Dilazep, and Dipyridamole to Protect Human Hematopoietic Cells from 7-Deazaadenosine (Tubercidin). Carol E. Cass, Karen M. King, Jencet T. Montañó, and Anna Janowska-Wieczorek.
- 5887** Epidermal Growth Factor Receptor Monoclonal Antibody Inhibits Constitutive Receptor Phosphorylation, Reduces Autonomous Growth, and Sensitizes Androgen-independent Prostatic Carcinoma Cells to Tumor Necrosis Factor  $\alpha$ . Chau-Jye Fong, Edward R. Sherwood, John Mendelsohn, Chung Lee, and James M. Kozlowski.
- 5893** Decreased P-Glycoprotein Expression in Multidrug-sensitive and -resistant Human Myeloma Cells Induced by the Cytokine Leukoregulin. Charles H. Evans and Patricia D. Baker.
- 5900** Time Dependence of DNA Lesions and Growth Inhibition by ICI D1694, a New Quinazoline Antifolate Thymidylate Synthase Inhibitor. Ming-biao Yin, Manoel A. Guimaraes, Zheng-gang Zhang, Mark A. Arredondo, and Youcef M. Rustum.
- 5906** Modulation of Colonic Epithelial Cell Proliferation, Histone Acetylation, and Luminal Short Chain Fatty Acids by Variation of Dietary Fiber (Wheat Bran) in Rats. Lidia C. Boffa, Joanne R. Lupton, Maria R. Mariani, Marcello Ceppi, Harold L. Newmark, Alessandra Scalmati, and Martin Lipkin.
- 5913** The T-Cell Receptor  $V\beta$  Gene Usage in Tumor-infiltrating Lymphocytes and Blood of Patients with Hepatocellular Carcinoma. Eckhart Weidmann, Theresa L. Whiteside, Roberto Giorda, Ronald B. Herberman, and Massimo Trucco.
- 5921** Cytotoxicity of CD3-Ricin A Chain Immunotoxins in Relation to Cellular Uptake and Degradation Kinetics. Ypke V. J. M. van Oosterhout, Frank W. M. B. Preijers, Hans M. C. Wessels, and Theo de Witte.
- 5926** Effects of  $17\beta$ -Estradiol Metabolites on Cell Cycle Events in MCF-7 Cells. Mona-Liza Lottering, Marianne Haag, and Johanna C. Seegers.
- 5933** Phase 1 and Endocrine Study of Exemestane (FCE 24304), a New Aromatase Inhibitor, in Postmenopausal Women. T. R. Jeffry Evans, Enrico Di Salle, Giorgio Ornati, Mercedes Lassus, Margherita Strolin Benedetti, Elio Pianezzola, and R. Charles Coombes.
- 5940** Phase II Preclinical Drug Screening in Human Tumor Xenografts: A First European Multicenter Collaborative Study. Epie Boven, Benjamin Winograd, Dietmar P. Berger, M. Patrick Dumont, Boudewijn J. M. Braakhuis, Øystein Fodstad, Simon Langdon, and Heiner H. Fiebig.
- 5948** Identification of Immunogenic Human Melanoma Antigens in a Polyvalent Melanoma Vaccine. Jean-Claude Bystry, Milagros Henn, Joseph Li, and Susan Shroba.
- 5954** A Murine Model for Antibody-directed Targeting of Vascular Endothelial Cells in Solid Tumors. Francis J. Burrows, Yoshihiko Watanabe, and Philip E. Thorpe.
- 5963** Receptors for Interleukin 2 on Human Squamous Cell Carcinoma Cell Lines and Tumor *in Situ*. Eckhart Weidmann, Manuela Sacchi, Stephane Plaisance, Dae Seog Heo, Satoshi Yasumura, Wen-chang Lin, Jonas T. Johnson, Ronald B. Herberman, Bruno Azzarone, and Theresa L. Whiteside.
- 5971** Mucin Gene Expression in Colonic Tissues and Cell Lines. S. Ogata, H. Uehara, A. Chen, and S. H. Itzkowitz.
- 5979** Differential Expression of *ras* Protooncogenes during *in Vitro* Differentiation of Human Erythroleukemia Cells. M. Dolores Delgado, Ana F. Quincoes, M. Teresa Gomez-Casares, Carlos A. Martinez, M. Angeles Cuadrado, Carlos Richard, and Javier León.
- 5985** Expression of Tumor-associated Epitopes on Epstein-Barr Virus-immortalized B-Cells and Burkitt's Lymphomas Transfected with Epithelial Mucin Complementary DNA. Keith R. Jerome, Dawen Bu, and Olivera J. Finn.
- 5991** Presence of *ras* Oncogene Mutations and Human Papillomavirus DNA in Human Prostate Carcinomas. Khurshid Anwar, Kazuya Nakakuki, Taizo Shiraiishi, Hironobu Naiki, Ryuichi Yatani, and Manabu Inuzuka.
- 5997** Frequent *p53* Mutations in Head and Neck Cancer. Kenneth D. Somers, M. Anne Merrick, Martha E. Lopez, Leonard S. Incognito, Gary L. Schechter, and Graham Casey.
- 6001** Human Placental Cells Transformed with Temperature-sensitive Simian Virus 40 Are Immortalized and Mimic the Phenotype of Invasive Cytotrophoblasts at Both Permissive and Nonpermissive Temperatures. Susan K. Logan, Susan J. Fisher, and Caroline H. Damsky.
- 6010**  $^2\text{H}$ -Nuclear Magnetic Resonance Imaging of Tumor Blood Flow: Spatial and Temporal Heterogeneity in a Tissue-isolated Mammary Adenocarcinoma. Clifford J. Eskey, Alan P. Koretsky, Michael M. Domach, and Rakesh K. Jain.
- 6020** Fibrosarcoma Cells Transduced with the *IL-6* Gene Exhibit Reduced Tumorigenicity, Increased Immunogenicity, and Decreased Metastatic Potential. Craig A. Mullen, Melissa M. Coale, Anna T. Levy, William G. Stetler-Stevenson, Lance A. Liotta, Stephen Brandt, and R. Michael Blaese.

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

- 6020 **Fibrosarcoma Cells Transduced with the *IL-6* Gene Exhibit Reduced Tumorigenicity, Increased Immunogenicity, and Decreased Metastatic Potential.** Craig A. Mullen, Melissa M. Coale, Anna T. Levy, William G. Stetler-Stevenson, Lance A. Liotta, Stephen Brandt, and R. Michael Blaese.
- 6025 **Inhibitory Effect of Somatostatin Analogue RC-160 on the Growth of Hepatic Metastases of Colon Cancer in Rats: A Study with Magnetic Resonance Imaging.** Yunfeng Qin, Marc Van Cauteren, Michel Osteaux, Andrew V. Schally, and Gerard Willems.
- 6031 **Gastrin Stimulates Ca<sup>2+</sup> Mobilization and Clonal Growth in Small Cell Lung Cancer Cells.** Tariq Sethi and Enrique Rozenfurt.
- 6036 **Targeted Therapy of Athymic Mice Bearing GW-39 Human Colonic Cancer Micrometastases with <sup>131</sup>I-labeled Monoclonal Antibodies.** Rosalyn D. Blumenthal, Robert M. Sharkey, Lemuel Haywood, Ana M. Natale, George Y. Wong, Jeffrey A. Siegel, Stephen J. Kennel, and David M. Goldenberg.
- 6045 **Membrane Peroxidative Damage Enhancement by the Ether Lipid Class of Antineoplastic Agents.** Brett A. Wagner, Garry R. Buettner, and C. Patrick Burns.
- 6052 **Identification of the Cross-Link between Human O<sup>6</sup>-Methylguanine-DNA Methyltransferase and Chloroethylnitrosourea-treated DNA.** Prescilla E. Gonzaga, Philip M. Potter, Tian-qi Niu, Dong Yu, David B. Ludlum, Joseph A. Rafferty, Geoffrey P. Margison, and Thomas P. Brent.
- 6059 **Interleukin 4 Receptor Expression and Growth Inhibition of Gastric Carcinoma Cells by Interleukin 4.** Takashi Morisaki, Dale H. Yuzuki, Robert T. Lin, Leland J. Foshag, Donald L. Morton, and Dave S. B. Hoon.
- 6066 **Magnetic Resonance Diffusion Imaging Detects Structural Damage in Biological Tissues upon Hyperthermia.** Kwan Hon Cheng and Marissa Hernandez.
- 6074 **Somatostatin Receptors in Human Renal Cell Carcinomas.** Jean-Claude Reubi and Larry Kvolcs.
- 6079 **Deletions of 17p and *p53* Mutations in Preneoplastic Lesions of the Lung.** Gabriella Sozzi, Monica Miozzo, Rosangela Donghi, Silvana Pilotti, Claudia T. Cariani, Ugo Pastorino, Giuseppe Della Porta, and Marco A. Pierotti.
- 6092 ***p53* Mutation and Protein Accumulation during Multistage Human Esophageal Carcinogenesis.** William P. Bennett, Monica C. Hollstein, Robert A. Metcalf, Judith A. Welsh, A. He, Si-min Zhu, Inca Kusters, James H. Resau, Benjamin F. Trump, David P. Lane, and Curtis C. Harris.
- 6098 **Mutation of *p53* Gene in Hepatocellular Carcinoma in Taiwan.** Jin-Chuan Sheu, Guan-Tarn Huang, Po-Huang Lee, Jui-Chen Chung, Huey-Chi Chou, Ming-Yang Lai, Jin-Town Wang, Hsuan-Shu Lee, Ling-Na Shih, Pei-Ming Yang, Teh-Hong Wang, and Ding-Shinn Chen.
- 6101 **Prognostic Value of Urokinase-type Plasminogen Activator in 671 Primary Breast Cancer Patients.** John A. Foekens, Manfred Schmitt, Wim L. J. van Putten, Harry A. Peters, Marijke Bontenbal, Fritz Jänicke, and Jan G. M. Klijn.
- 6106 **Immunogenetic Influences on the Initiation Stage of the Cutaneous Chemical Carcinogenesis Pathway.** Craig A. Elmets, Syed I. A. Zaidi, David R. Bickers, and Hasan Mukhtar.
- 6110 **Detection of Hematogenous Micrometastasis in Patients with Prostate Cancer.** Jose G. Moreno, Carlo M. Croce, Rainer Fischer, Maria Monne, Pirkko Vihko, S. Grant Mulholland, and Leonard G. Gomella.
- 6113 ***p53* Mutations in Formaldehyde-induced Nasal Squamous Cell Carcinomas in Rats.** Leslie Recio, Susan Sisk, Linda Pluta, Edilberto Bermudez, Elizabeth A. Gross, Zhuchu Chen, Kevin Morgan, and Cheryl Walker.
- 6117 **Nonlinkage of 16q Markers to Familial Predisposition to Wilms' Tumor.** Vicki Huff, Anthony E. Reeve, Mark Leppert, Louise C. Strong, Edwin C. Douglass, Clementina F. Geiser, Frederick P. Li, Anna Meadows, David F. Callen, Gilbert Lenoir, and Grady F. Saunders.
- 6121 **Human Small Cell Lung Cancer Expresses the Octamer DNA-binding and Nervous System-specific Transcription Factor N-Oct 3 (Brain-2).** Edgar Schreiber, Andreas Himmelmann, Ursula Malipiero, Andreas Tobler, Rolf Stahel, and Adriano Fontana.
- 6125 **Inherited *WT1* Mutation in Denys-Drash Syndrome.** Max J. Coppes, Gerrit Jan Liefers, Mariko Higuchi, Arthur B. Zinn, J. Williamson Balfe, and Bryan R. G. Williams.

---

#### ADVANCES IN BRIEF

- 6083 **The *RCK* Gene Associated with t(11;14) Translocation Is Distinct from the *MLL/ALL-1* Gene with t(4;11) and t(11;19) Translocations.** Yukihiko Akao, Masao Seto, Kazuhito Yamamoto, Shinsuke Iida, Shinpei Nakazawa, Johji Inazawa, Tatsuo Abe, Toshitada Takahashi, and Ryuzo Ueda.
- 6088 **Levels of *nm23* Messenger RNA in Metastatic Malignant Melanomas: Inverse Correlation to Disease Progression.** Vivi Ann Flørenes, Steinar Aamdal, Ola Myklebost, Gunhild M. Maelandsmo, Øyvind S. Bruland, and Øystein Fodstad.

---

#### MEETING REPORT

- 6129 **The Role of Cytokines in the Regulation of Cell Function and in the Pathogenesis of Disease: A Pathology A/Pathology B Study Section Workshop—Working Report from the Division of Research Grants, National Institutes of Health.** Philip Furmanski, Eric G. Neilson, Jaswant S. Bhorjee, and Martin Padarathsingh.
- 
- 6134 **Announcements**  
 Eighty-Fourth Annual Meeting of the AACR  
 New Format for Annual Meetings of the AACR Beginning in 1994  
 AACR Special Conferences in Cancer Research  
 Recent Deaths  
 Calendar of Events

NOTE: 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

VOLUME 52 • NUMBER 21

## CONTENTS Arranged by Subject Category

### BASIC SCIENCES

#### *Biochemistry and Biophysics*

#### ADVANCES IN BRIEF

- 6083** The *RCK* Gene Associated with t(11;14) Translocation Is Distinct from the *MLL/ALL-1* Gene with t(4;11) and t(11;19) Translocations. Yukihiko Akao, Masao Seto, Kazuhito Yamamoto, Shinsuke Iida, Shinpei Nakazawa, Johji Inazawa, Tatsuo Abe, Toshitada Takahashi, and Ryuzo Ueda.
- 6088** Levels of *nm23* Messenger RNA in Metastatic Malignant Melanomas: Inverse Correlation to Disease Progression. Vivi Ann Flørenes, Steinar Aamdal, Ola Myklebost, Gunhild M. Maclandsmo, Øyvind S. Bruland, and Øystein Fodstad.
- 6092** *p53* Mutation and Protein Accumulation during Multistage Human Esophageal Carcinogenesis. William P. Bennett, Monica C. Hollstein, Robert A. Metcalf, Judith A. Welsh, A. He, Si-min Zhu, Inca Kusters, James H. Resau, Benjamin F. Trump, David P. Lane, and Curtis C. Harris.
- 6098** Mutation of *p53* Gene in Hepatocellular Carcinoma in Taiwan. Jin-Chuan Sheu, Guan-Tarn Huang, Po-Huang Lee, Jui-Chen Chung, Huey-Chi Chou, Ming-Yang Lai, Jin-Town Wang, Hsuan-Shu Lee, Ling-Na Shih, Pei-Ming Yang, Teh-Hong Wang, and Ding-Shinn Chen.
- 6101** Prognostic Value of Urokinase-type Plasminogen Activator in 671 Primary Breast Cancer Patients. John A. Foekens, Manfred Schmitt, Wim L. J. van Putten, Harry A. Peters, Marijke Bontenbal, Fritz Jänicke, and Jan G. M. Klijn.
- 6106** Immunogenetic Influences on the Initiation Stage of the Cutaneous Chemical Carcinogenesis Pathway. Craig A. Elmets, Syed I. A. Zaidi, David R. Bickers, and Hasan Mukhtar.
- 6110** Detection of Hematogenous Micrometastasis in Patients with Prostate Cancer. Jose G. Moreno, Carlo M. Croce, Rainer Fischer, Maria Monne, Pirkko Vihko, S. Grant Mulholland, and Leonard G. Gomella.
- 6113** *p53* Mutations in Formaldehyde-induced Nasal Squamous Cell Carcinomas in Rats. Leslie Recio, Susan Sisk, Linda Pluta, Edilberto Bermudez, Elizabeth A. Gross, Zhuchu Chen, Kevin Morgan, and Cheryl Walker.
- 6117** Nonlinkage of 16q Markers to Familial Predisposition to Wilms' Tumor. Vicki Huff, Anthony E. Reeve, Mark Leppert, Louise C. Strong, Edwin C. Douglass, Clementina F. Geiser, Frederick P. Li, Anna Meadows, David F. Callen, Gilbert Lenoir, and Grady F. Saunders.
- 6121** Human Small Cell Lung Cancer Expresses the Octamer DNA-binding and Nervous System-specific Transcription Factor N-Oct 3 (Brain-2). Edgar Schreiber, Andreas Himmelmann, Ursula Malipievo, Andreas Tobler, Rolf Stahel, and Adriano Fontana.
- 6125** Inherited *WT1* Mutation in Denys-Drash Syndrome. Max J. Coppes, Gerrit Jan Liefers, Mariko Higuchi, Arthur B. Zinn, J. Williamson Balfe, and Bryan R. G. Williams.
- 5865** Down-Regulation of Keratin 14 Gene Expression after v-Ha-*ras* Transfection of Human Papillomavirus-immortalized Human Cervical Epithelial Cells. P. E. Bowden, C. D. Woodworth, J. Doniger, and J. A. DiPaolo.
- 6066** Magnetic Resonance Diffusion Imaging Detects Structural Damage in Biological Tissues upon Hyperthermia. Kwan Hon Cheng and Marissa Hernandez.

#### *Endocrinology*

- 5926** Effects of 17 $\beta$ -Estradiol Metabolites on Cell Cycle Events in MCF-7 Cells. Mona-Liza Lottering, Marianne Haag, and Johanna C. Seegers.
- 6031** Gastrin Stimulates Ca<sup>2+</sup> Mobilization and Clonal Growth in Small Cell Lung Cancer Cells. Tariq Sethi and Enrique Rozengurt.
- 6074** Somatostatin Receptors in Human Renal Cell Carcinomas. Jean-Claude Reubi and Larry Kvols.

#### *Immunology*

- 5893** Decreased P-Glycoprotein Expression in Multidrug-sensitive and -resistant Human Myeloma Cells Induced by the Cytokine Leukoregulin. Charles H. Evans and Patricia D. Baker.
- 5913** The T-Cell Receptor  $V\beta$  Gene Usage in Tumor-infiltrating Lymphocytes and Blood of Patients with Hepatocellular Carcinoma. Eckhart Weidmann, Theresa L. Whiteside, Roberto Giorda, Ronald B. Herberman, and Massimo Trucco.
- 5921** Cytotoxicity of CD3-Ricin A Chain Immunotoxins in Relation to Cellular Uptake and Degradation Kinetics. Ypke V. J. M. van Oosterhout, Frank W. M. B. Preijers, Hans M. C. Wessels, and Theo de Witte.
- 5948** Identification of Immunogenic Human Melanoma Antigens in a Polyvalent Melanoma Vaccine. Jean-Claude Bystryn, Milagros Henn, Joseph Li, and Susan Shroba.
- 5985** Expression of Tumor-associated Epitopes on Epstein-Barr Virus-immortalized B-Cells and Burkitt's Lymphomas Transfected with Epithelial Mucin Complementary DNA. Keith R. Jerome, Dawen Bu, and Olivera J. Finn.
- 6020** Fibrosarcoma Cells Transduced with the *IL-6* Gene Exhibit Reduced Tumorigenicity, Increased Immunogenicity, and Decreased Metastatic Potential. Craig A. Mullen, Melissa M. Coale, Anna T. Levy, William G. Stetler-Stevenson, Lance A. Liotta, Stephen Brandt, and R. Michael Blaese.

#### *Molecular Biology and Genetics*

- 5906** Modulation of Colonic Epithelial Cell Proliferation, Histone Acetylation, and Luminal Short Chain Fatty Acids by Variation of Dietary Fiber (Wheat Bran) in Rats. Lidia C. Boffa, Joanne R. Lupton, Maria R. Mariani, Marcello Ceppi, Harold L. Newmark, Alessandra Scalmati, and Martin Lipkin.

- 5971 Mucin Gene Expression in Colonic Tissues and Cell Lines. S. Ogata, H. Uehara, A. Chen, and S. H. Itzkowitz.
- 5979 Differential Expression of *ras* Protooncogenes during *in Vitro* Differentiation of Human Erythroleukemia Cells. M. Dolores Delgado, Ana F. Quincoces, M. Teresa Gomez-Casares, Carlos A. Martinez, M. Angeles Cuadrado, Carlos Richard, and Javier León.
- 5997 Frequent *p53* Mutations in Head and Neck Cancer. Kenneth D. Somers, M. Anne Merrick, Martha E. Lopez, Leonard S. Incognito, Gary L. Schechter, and Graham Casey.
- 6079 Deletions of 17p and *p53* Mutations in Preneoplastic Lesions of the Lung. Gabriella Sozzi, Monica Miozzo, Rosangela Donghi, Silvana Pilotti, Claudia T. Cariani, Ugo Pastorino, Giuseppe Della Porta, and Marco A. Pierotti.
- 5887 Epidermal Growth Factor Receptor Monoclonal Antibody Inhibits Constitutive Receptor Phosphorylation, Reduces Autonomous Growth, and Sensitizes Androgen-independent Prostatic Carcinoma Cells to Tumor Necrosis Factor  $\alpha$ . Chau-Jye Fong, Edward R. Sherwood, John Mendelsohn, Chung Lee, and James M. Kozlowski.
- 5963 Receptors for Interleukin 2 on Human Squamous Cell Carcinoma Cell Lines and Tumor *in Situ*. Eckhart Weidmann, Manuela Sacchi, Stephane Plaisance, Dae Seog Heo, Satoshi Yasumura, Wen-chang Lin, Jonas T. Johnson, Ronald B. Herberman, Bruno Azzarone, and Theresa L. Whiteside.
- 5991 Presence of *ras* Oncogene Mutations and Human Papillomavirus DNA in Human Prostate Carcinomas. Khurshid Anwar, Kazuya Nakakuki, Taizo Shiraishi, Hironobu Naiki, Ryuichi Yatani, and Manabu Inuzuka.

#### *Preclinical Pharmacology and Experimental Therapeutics*

- 5879 A Comparison of the Abilities of Nitrobenzylthioinosine, Dilazep, and Dipyridamole to Protect Human Hematopoietic Cells from 7-Deazaadenosine (Tubercidin). Carol E. Cass, Karen M. King, Jencet T. Montañó, and Anna Janowska-Wieczorek.
- 5900 Time Dependence of DNA Lesions and Growth Inhibition by ICI D1694, a New Quinazoline Antifolate Thymidylate Synthase Inhibitor. Ming-biao Yin, Manoel A. Guimaraes, Zheng-gang Zhang, Mark A. Arredondo, and Youcef M. Rustum.
- 5940 Phase II Preclinical Drug Screening in Human Tumor Xenografts: A First European Multicenter Collaborative Study. Epie Boven, Benjamin Winograd, Dietmar P. Berger, M. Patrick Dumont, Boudewijn J. M. Braakhuis, Øystein Fodstad, Simon Langdon, and Heiner H. Fiebig.
- 5954 A Murine Model for Antibody-directed Targeting of Vascular Endothelial Cells in Solid Tumors. Francis J. Burrows, Yoshihiko Watanabe, and Philip E. Thorpe.
- 6025 Inhibitory Effect of Somatostatin Analogue RC-160 on the Growth of Hepatic Metastases of Colon Cancer in Rats: A Study with Magnetic Resonance Imaging. Yunfeng Qin, Marc Van Cauteren, Michel Osteaux, Andrew V. Schally, and Gerard Willems.
- 6036 Targeted Therapy of Athymic Mice Bearing GW-39 Human Colonic Cancer Micrometastases with <sup>131</sup>I-labeled Monoclonal Antibodies. Rosalyn D. Blumenthal, Robert M. Sharkey, Lemuel Haywood, Ana M. Natale, George Y. Wong, Jeffrey A. Siegel, Stephen J. Kennel, and David M. Goldenberg.
- 6045 Membrane Peroxidative Damage Enhancement by the Ether Lipid Class of Antineoplastic Agents. Brett A. Wagner, Garry R. Buettner, and C. Patrick Burns.
- 6052 Identification of the Cross-Link between Human O<sup>6</sup>-Methylguanine-DNA Methyltransferase and Chloroethylnitrosourea-treated DNA. Prescilla E. Gonzaga, Philip M. Potter, Tian-qi Niu, Dong Yu, David B. Ludlum, Joseph A. Rafferty, Geoffrey P. Margison, and Thomas P. Brent.
- 6001 Human Placental Cells Transformed with Temperature-sensitive Simian Virus 40 Are Immortalized and Mimic the Phenotype of Invasive Cytotrophoblasts at Both Permissive and Nonpermissive Temperatures. Susan K. Logan, Susan J. Fisher, and Caroline H. Damsky.
- 6010 <sup>2</sup>H-Nuclear Magnetic Resonance Imaging of Tumor Blood Flow: Spatial and Temporal Heterogeneity in a Tissue-isolated Mammary Adenocarcinoma. Clifford J. Eskey, Alan P. Koretsky, Michael M. Domach, and Rakesh K. Jain.
- 6059 Interleukin 4 Receptor Expression and Growth Inhibition of Gastric Carcinoma Cells by Interleukin 4. Takashi Morisaki, Dale H. Yuzuki, Robert T. Lin, Leland J. Foshag, Donald L. Morton, and Dave S. B. Hoon.

#### *Virology*

- 5872 Cellular Transformation by a Unique Isolate of Human Papillomavirus Type 11. Ronald C. McGlennen, Jyotsna Ghai, Ronald S. Ostrow, Kurt LaBresh, John F. Schneider, and Anthony J. Faras.

### CLINICAL AND EPIDEMIOLOGICAL INVESTIGATIONS

- 5933 Phase 1 and Endocrine Study of Exemestane (FCE 24304), a New Aromatase Inhibitor, in Postmenopausal Women. T. R. Jeffrey Evans, Enrico Di Salle, Giorgio Ornati, Mercedes Lassus, Margherita Strolin Benedetti, Elio Pianezzola, and R. Charles Coombes.

---

### MEETING REPORT

- 6129 The Role of Cytokines in the Regulation of Cell Function and in the Pathogenesis of Disease: A Pathology A/Pathology B Study Section Workshop—Working Report from the Division of Research Grants, National Institutes of Health. Philip Furmanski, Eric G. Neilson, Jaswant S. Bhorjee, and Martin Padarathsingh.

---

#### *Tumor Biology*

- 5853 Distribution of Cells Expressing *myc* Proteins in Human Colorectal Epithelium, Polyps, and Malignant Tumors. Mona F. Melhem, Arnold I. Meisler, Gene G. Finley, Warren H. Bryce, Matthew O. Jones, Ilse I. Tribby, James M. Pipas, and Raymond A. Koski.

- 6134 Announcements  
Eighty-Fourth Annual Meeting of the AACR  
New Format for Annual Meetings of the AACR Beginning in 1994  
AACR Special Conferences in Cancer Research  
Recent Deaths  
Calendar of Events

**6136 Errata**

S. Toyokuni *et al.*, 50: 5574–5580, 1990.  
M. Reiss *et al.*, 51: 6254–6262, 1991.  
R. H. Shoemaker *et al.*, 52: 2791–2796, 1992.  
F. Leteurtre *et al.*, 52: 4478–4483, 1992.

**6138 Author Index**

**NOTE: 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)

## 52 (21)

*Cancer Res* 1992;52:5853-6137.

**Updated version** Access the most recent version of this article at:  
<http://cancerres.aacrjournals.org/content/52/21.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](mailto:pubs@aacr.org).

**Permissions** To request permission to re-use all or part of this article, use this link <http://cancerres.aacrjournals.org/content/52/21.citation>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.