CONTENTS†

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

5517 Editorial. Peter N. Magee.

Perspectives in Cancer Research

5518 Genetics of Cancer Predisposition. Marc F. Hansen and Webster K. Cavenee.

Special Lecture

5528 Searching for Magic Bullets: Early Approaches to Chemotherapy—Antigens—The Bruce F. Cain Memorial Award Lecture. Thomas H. Jukes.

BASIC SCIENCES


5546 Disposition Characteristics of Mitomycin C-Dextran Conjugate in Normal and Tumor-bearing Muscles of Rabbits. Ryo Atsumi, Kaori Endo, Toshiyuki Kakutani, Yoshinobu Takakura, Mitsuru Hashida, and Hitoshi Zezaki.


5577 Pleiotropic Drug Resistance in Hepatocytes Induced by Carcinogens Administered to Rats. Brian I. Carr.


5590 Synthesis of Nitrite and Nitrate in Murine Macrophage Cell Lines. Dennis J. Steele and Michael A. Marletta.


*5612 Stimulation of Anchorage-independent Growth of Human Tumor Cells by Interleukin 1 A. W. Hamburger, K. A. Lurie, and M. E. Condon.


5620 Effects of Chemical Sympathectomy in Neonatal and Adult Mice on C-1300 Neuroblastoma Tumor Growth and Catecholamine Content. Donald W. Fink, Jr., and Bernard L. Mirkin.

5626 Structure and Expression of a Human Class γ Glutathione S-Transferase Messenger RNA. Toshiyuki Kano, Masaharu Sakai, and Masami Muramatsu.

5631 Dietary Fat Modulation of Murine Mammary Tumor Metabolism Studied by in Vivo 31P-Nuclear Magnetic Resonance Spectroscopy. Dianne K. Buckman, Kent L. Erickson, and Brian D. Ross.

5637 Differential Uptake, Binding, and Metabolism of Retinoic and Retinoic Acid by 10T½ Cells. Joyce Rundhaug, Mary Lou Gubler, Michael I. Sherman, William S. Blaner, and John S. Bertram.

5644 Blood Amino Acid Compartmentation in Mice Bearing Lewis Lung Carcinoma. Santiago Rivera, Francisco J. Lopez-Soriano, Joaquim Azcón-Bieto, and Josep M. Argiés.


5649 Purification and Characterization of Aplysianin E, an Antitumor Factor from Sea Hare Eggs. Jun Kisugi, Hisao Kamiya, and Masatoshi Yamazaki.

5654 Correlation between Drug Uptake and Selective Toxicity of Porfimerin to Hypoxic EMT6 Cells. Susan R. Keyes, Sara Rockwell, and Alan C. Sartorelli.

5658 Selective Lack of Intracellular Communication between Transformed and Nontransformed Cells as a Common Property of Chemical and Oncogene Transformation of BALB/c 3T3 Cells. Hiroshi Yamazaki, Monica Hollstein, Marc Mesnil, Nicole Martel, and Anne-Marie Aguelon.


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


Role of Laminin Receptor in Tumor Cell Migration. Ulla M. Wewer, Giulia Tarabottoli, Mark E. Sobel, Reidar Albrechtsen, and Lance A. Liotta.

Induction of Prostatic Carcinomas and Lower Urinary Tract Neoplasms by Combined Treatment of Intact and Castrated Rats with Testosterone Propionate and N-Nitrosobis(2-oxopropyl)amine. Parviz M. Pour and Katherine Stepan.


Frequency and Distribution of Estrogen Receptor-positive Cells in Normal, Nonlactating Human Breast Tissue. O. W. Petersen, P. E. Høyer, and B. van Deurs.

Morphological Transformation, Focus Formation, and Anchorage Independence Induced in Diploid Human Fibroblasts by Expression of a Transfected H-ras Oncogene. Peter J. Hurlin, Dennis G. Fry, Veronica M. Maher, and J. Justin McCormick.


Blood-Brain Barrier Dysfunction in Cats following Recombinant Interleukin-2 Infusion. Mary D. Ellison, John T. Povlishock, and Randall E. Merchant.

The Epidemiological Studies section contains the first in a series of articles presented at the Fifth Symposium on Epidemiology and Cancer Registries in the Pacific Basin, November 16–21, 1986, Kauai, Hawaii. Other papers resulting from this meeting will be featured in subsequent issues of Cancer Research.

Cancer in First and Second Generation Americans. David B. Thomas and Margaret R. Karagas.


Clinical Pharmacokinetics of the Antitumor Drug Navelbine (5′-Nor-Nab vinblastine). Roger Rahmani, René Bruno, Athanassios Iliadis, Roger Favre, Sylvaine Just, Jacques Barbet, and Jean-Paul Cano.


Announcements

Author Index

NOTE: Application for membership in the American Association for Cancer Research available in the back of this issue.
Cancer Research
VOLUME 47 • NUMBER 21

CONTENTS Arranged by Subject Category

BASIC SCIENCES

Biochemistry and Biophysics


5626 Structure and Expression of a Human Class μ Glutathione S-Transferase Messenger RNA. Toshiyuki Kano, Masaharu Sakai, and Masami Muramatsu.

5631 Dietary Fat Modulation of Murine Mammary Tumor Metabolism Studied by in Vivo 31P-Nuclear Magnetic Resonance Spectroscopy. Dianne K. Buckman, Kent L. Erickson, and Brian D. Ross.


5752 Differential Uptake, Binding, and Metabolism of Retinol and Retinoic Acid by 1OT'/z Cells. Joyce Rundhaug, Mary Lou Gubler, Michael I. Sherman, William S. Blaner, and Leon N. Kapp.


Carcinogenesis


5577 Pleiotropic Drug Resistance in Hepatocytes Induced by Carcinogens Administered to Rats. Brian I. Carr.

5590 Synthesis of Nitrite and Nitrate in Murine Macrophage Cell Lines. Dennis J. Stuehr and Michael A. Marletta.

5637 Differential Uptake, Binding, and Metabolism of Retinol and Retinoic Acid by 1OT'/z Cells. Joyce Rundhaug, Mary Lou Gubler, Michael I. Sherman, William S. Blaner, and John S. Bertram.


5699 Induction of Prostatic Carcinomas and Lower Urinary Tract Neoplasms by Combined Treatment of Intact and Castrated Rats with Testosterone Propionate and N-Nitrosobis(2-oxopropyl)amine. Parviz M. Pour and Katherine Stepan.

Immunology


Molecular Biology and Genetics


5752 Morphological Transformation, Focus Formation, and Anchorage Independence Induced in Diploid Human Fibroblasts by Expression of a Transfected H-ras Oncogene. Peter J. Hurlin, Dennis G. Fry, Veronica M. Maher, and J. Justin McCormick.

* Indicates studies using human-derived material.
Preclinical Pharmacology and Experimental Therapeutics


5546 Disposition Characteristics of Mitomycin C-Dextran Conjugate in Normal and Tumor-bearing Muscles of Rabbits. Ryo Atsumi, Kaori Endo, Toshiyuki Kakutani, Yoshinobu Takakura, Mitsuru Hashida, and Hitoshi Szakaki.

5544 Correlation between Drug Uptake and Selective Toxicity of Porfimermycin to Hypoxic EMT6 Cells. Susan R. Keyes, Sara Rockwell, and Alan C. Sartorelli.


5620 Effects of Chemical Sympathectomy in Neonatal and Adult Mice on C-1300 Neuroblastoma Tumor Growth and Catecholamine Content. Donald W. Fink, Jr., and Bernard L. Mirkin.


5654 Correlation between Drug Uptake and Selective Toxicity of Porfimermycin to Hypoxic EMT6 Cells. Susan R. Keyes, Sara Rockwell, and Alan C. Sartorelli.

5658 Selective Lack of Intercellular Communication between Transformed and Nontransformed Cells as a Common Property of Chemical and Oncogene Transformation of BALB/c 3T3 Cells. Hiroshi Yamasaki, Monica Hollstein, Marc Mesnil, Nicole Martel, and Anne-Marie Aguelon.

5672 Blood-Brain Barrier Dysfunction in Cats following Recombinant Interleukin-2 Infusion. Mary D. Ellison, John T. Povlishock, and Randall E. Merchant.

Tumor Biology


5620 Effects of Chemical Sympathectomy in Neonatal and Adult Mice on C-1300 Neuroblastoma Tumor Growth and Catecholamine Content. Donald W. Fink, Jr., and Bernard L. Mirkin.


5658 Selective Lack of Intercellular Communication between Transformed and Nontransformed Cells as a Common Property of Chemical and Oncogene Transformation of BALB/c 3T3 Cells. Hiroshi Yamasaki, Monica Hollstein, Marc Mesnil, Nicole Martel, and Anne-Marie Aguelon.

5691 Role of Laminin Receptor in Tumor Cell Migration. Ulla M. Wewer, Giulia Taraboletti, Mark E. Sobel, Reidar Albrechtsen, and Lance A. Liotta.

NOTE: Application for membership in the American Association for Cancer Research available in the back of this issue.
Cancer Research


47 (21)


Updated version
Access the most recent version of this article at:
http://cancerres.aacrjournals.org/content/47/21.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.

Permissions
To request permission to re-use all or part of this article, contact the AACR Publications Department at permissions@aacr.org.