 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—Antifolates, Methotrexate—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 Nakatani, Yoshinobu Takakura, Mitsuru Hashida, and Hitoshi Sasaki.


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.


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 I 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.


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

5656 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 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 Tarabotti, 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-anhydrovinblastine). Roger Rahmani, René Bruno, Athanassios Iliaidis, Roger Favre, Sylvaine Just, Jacques Barbet, and Jean-Paul Cano.


Announcements

Author Index
Contents

Contents Arranged by Subject Category

BASIC SCIENCES

Biochemistry and Biophysics


5626 Structure and Expression of a Human Class II 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 3P-Nuclear Magnetic Resonance Spectroscopy. Diane K. Buckman, Kent L. Erickson, and Brian D. Ross.


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


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

Immunology


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. Steur and Michael A. Marletta.

5637 Differential Uptake, Binding, and Metabolism of Retinol and Retinoic Acid by 10T1/2 Cells. Joyce Rundhaug, Mary Lou Gubler, Michael I. Sherman, William S. Blaner, and John S. Bertram.


Carcinogenesis


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 Joan McConnell.

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

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


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


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.


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.

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)


<table>
<thead>
<tr>
<th>Updated version</th>
<th>Access the most recent version of this article at: <a href="http://cancerres.aacrjournals.org/content/47/21.citation">http://cancerres.aacrjournals.org/content/47/21.citation</a></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>E-mail alerts</th>
<th>Sign up to receive free email-alerts related to this article or journal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reprints and Subscriptions</td>
<td>To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at <a href="mailto:pubs@aacr.org">pubs@aacr.org</a>.</td>
</tr>
<tr>
<td>Permissions</td>
<td>To request permission to re-use all or part of this article, use this link <a href="http://cancerres.aacrjournals.org/content/47/21.citation">http://cancerres.aacrjournals.org/content/47/21.citation</a>. Click on &quot;Request Permissions&quot; which will take you to the Copyright Clearance Center's (CCC) Rightslink site.</td>
</tr>
</tbody>
</table>