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

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

**Perspectives in Cancer Research**

- **6019** Chromosome Translocations and Human Cancer. Carlo M. Croce.

**BASIC SCIENCES**

- **6024** DNA Damage in Cultured L1210 Cells by 2-Haloethyl Esters of (Methylsulfonyl)methanesulfonic Acid. Jo Ann Alexander, Bonnie J. Bowdon and Glynn P. Wheeler.
- **6029** Detection of Activated M, 21,000 Protein the Product of ras Oncogenes, Using Antibodies with Specificity for Amino Acid 12. Gail Wong, Norman Arnheim, Robin Clark, Peter McCabe, Michael Innis, Lois Aldwin, Danute Nitecki and Frank McCormick.
- **6041** Development and Inheritance of Osmotic Tolerance in a Line of Spontaneously Transformed BALB/3T3 Cells. Timothy L. Hennessey and Harry Rubin.
- **6054** Two Mechanisms of Synergism When Amphotericin B Is Used in Combination with Actinomycin D or 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea against the Human Promyelocytic Leukemia Cell Line HL-60. Aline Vertut-Croquin, Janina Brajtburg and Gerald Medoff.
- **6059** Role of Intracellular Calcium Ion in Human Promyelocytic Leukemia HL-60 Cell Differentiation. Toshiro Okazaki, Toshihiro Mochizuki, Masaro Tashima, Hiroyoshi Sawada and Haruto Uchino.
- **6064** Identification and Quantitative Determination of Aniline and Toluidines in Human Urine. Karam El-Bayoumy, Jean M. Donahue, Deborah Erickson.
- **6068** Changes in Antigen Expression on Human FME Melanoma Cells after Exposure to Photoactivated Hematoporphyrin Derivative. Catharina de Lange Davies, Andre Western, Tore Lindmo and Johan Moor.
- **6078** Changes in Isoenzyme Profiles during Induction of Differentiation in Human Myelomonocytic Leukemia Cell Lines. Hans G. Drexler, Kazuyuki Otsuka, Gerhard Gaedicke and Jun Minowada.
- **6083** Potentiation of Lymphocyte Responses by Monoclonal Antibodies to the Ganglioside GD3. Peter Hersey, Stephen D. Schibeci, Phillip Townsend, Christine Burns and David A. Cheresh.

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


Comparison and Characterization of Growth Inhibition in L1210 Cells by α-Difluoromethylnithrene, an Inhibitor of Ornithine Decarboxylase, and Nβ,N3-Bis(ethyl)perimidine, an Apparent Regulator of the Enzyme. Carl W. Porter, Barbara Ganis, Tim Vinson, Laurence J. Marton, Debra L. Kramer and Raymond J. Bergeron.

Modulation of Thiopurine Cytotoxicity in the HL-60 Cell Line by Physiological Concentrations of Hypoxanthine. Solomon Zimm, Gloria E. Johnson and David G. Poplack.


Continued


Culture of Squamous Head and Neck Cancer on 3T3 Fibroblasts following Isokinetic Velocity Sedimentation. Melody A. Cobleigh.


Heritable Variation in Expression of Multiple Tumor Associated Epitopes on a High Molecular Weight Mucin-like Antigen. Peter S. Linsley, Vincent Ochs, Diane Horn, David B. Ring and Arthur E. Frankel.

A New Concept for Macromolecular Therapeutics in Cancer Chemotherapy: Mechanism of Tumortropic Accumulation of Proteins and the Antitumor Agent Smancs. Yasuhiro Matsumura and Hiroshi Maeda.

Monoclonal Antibodies against Cell-Surface Antigens of the Metastatic Rat 13762NF Mammary Adenocarcinoma and Their Cross-Reactivity with Human Breast Carcinomas. Susan M. North, Peter A. Steck and Garth L. Nicolson.


Enhancement by γ-Interferon of in Vivo Tumor Radiolocalization by a Monoclonal Antibody against HLA-DR Antigen. Gail Rowlinson, Frances Balkwill, Deborah Snook, George Hooker and Agamemnon A. Epenotos.

Ability of Inhibitors of Glycosylation and Protein Synthesis to Sensitize Cells to Abrin, Ricin, Shigella Toxin, and Pseudomonas Toxin. Kirsten Sandvig, Tor Ingfr Gunn Tønnessen and Sjur Olsses.

Induction of Prostate Carcinoma in Situ at High Incidence in F344 Rats by a Combination of 3,2'-Dimethyl-4-aminobiphenyl and Ethinyl Estradiol. Tomoyuki Shirai, Shoji Fukushima, Etsuo Ikawa, Yoshiaki Tagawa and Nobuyuki Ito.

Microinjection of the ras Oncogene Protein into Nonestablished Rat Embryo Fibroblasts. Neil F. Sullivan, Raymond W. Sweet, Martin Rosenberg and James F. Feramisco.

In Vitro Transformation of Primary Rat Tracheal Epithelial Cells by 5-Azacytidine. Cheryl Walker and Paul Nettesheim.

Collagenase and Elastase Production by Mouse Mammary Adenocarcinoma Primary Cultures and Cloned Cells. Maria Zeydel, Sachiko Nakagawa, Luis Biempsica and Shizuko Takahashi.


**CLINICAL AND EPIDEMIOLOGICAL INVESTIGATIONS**


Development of Primary and Secondary Immune Responses to Mouse Monoclonal Antibodies Used in the Diagnosis and Therapy of Malignant Neoplasms. Nigel S. Courtney-Luck, Agamemnon A. Epenotos, Richard Moore, Mark Larche, Dimitris Pectasides, Babu Dhokia and Mary A. Ritter.


Incorporation of Iododeoxyuridine into DNA of Granulocytes in Patients. Karl Belanger, Raymond W. Klecker, Jr., Jan Rowland, Timothy J. Kinsella and Jerry M. Collins.

Beginning January 1987, Cancer Research will be published twice a month. Issues will be numbered from 1 through 24 and dated the 1st and 15th day of each month. All of the subject categories covered by the journal will be represented in every issue.

NOTE: Advance registration form for 78th Annual Meeting of the American Association for Cancer Research available in the back of this issue.
Heritable Variation in Expression of Multiple Tumor Associated Epitopes on a High Molecular Weight Mucin-like Antigen. Peter S. Linsley, Vincent Ochs, Diane Horn, David B. Ring and Arthur E. Frankel.


Differential Expression of Cell Surface Antigens and Gland Fibri-


Identification and Quantitative Determination of Aniline and To-


Effect of Sodium Phenobarbital and Sodium Saccharin in AIN-


Differential Expression of Cell Surface Antigens and Gland Fibri-


Identification and Quantitative Determination of Aniline and To-


Effect of Sodium Phenobarbital and Sodium Saccharin in AIN-


Differential Expression of Cell Surface Antigens and Gland Fibri-


Identification and Quantitative Determination of Aniline and To-


Effect of Sodium Phenobarbital and Sodium Saccharin in AIN-


Differential Expression of Cell Surface Antigens and Gland Fibri-


Identification and Quantitative Determination of Aniline and To-


Effect of Sodium Phenobarbital and Sodium Saccharin in AIN-


Differential Expression of Cell Surface Antigens and Gland Fibri-


Identification and Quantitative Determination of Aniline and To-


Effect of Sodium Phenobarbital and Sodium Saccharin in AIN-


Differential Expression of Cell Surface Antigens and Gland Fibri-


*6327 Terminal Erythroid Differentiation in the K-562 Cell Line by 1-

*6091 Comparison of the Effects of an Ornithine Decarboxylase Inhibi-

*<>I56 m-Diaminedichloroplatinum(II)-induced Sister <'hruinât id Ex-

*191 Alteration of Fluorouracil Metabolism in Human Colon Cancer Preclinical Pharmacology and Experimental Therapeutics 6024 DNA Damage in Cultured LI 210 Cells by 2-Haloethyl Esters of (Methylsulfonyl)methanesulfonic Acid. Jo Ann Alexander, Bonnie J. Bowdon and Glynn P. Wheeler.

*6091 Comparison of the Effects of an Ornithine Decarboxylase Inhibi-

*6101 Pharmacokinetics of Intraventricular and Intravenous N,N',N''-

*Triethylenethiophosphoramide (Thiotepa) in Rhesus Monkeys and Humans. John M. Strong, Jerry M. Collins, Cynthia Lester and David G. Poplack.


6427 Microinjection of the ras Oncogene Protein into Nonestablished Rat Embryo Fibroblasts. Neil F. Sullivan, Raymond W. Sweet, Martin Rosenberg and James R. Feramisco.

Preclinical Pharmacology and Experimental Therapeutics

6024 DNA Damage in Cultured LI 210 Cells by 2-Haloethyl Esters of (Methylsulfonyl)methanesulfonic Acid. Jo Ann Alexander, Bonnie J. Bowdon and Glynn P. Wheeler.

*6091 Comparison of the Effects of an Ornithine Decarboxylase Inhibi-

*6101 Pharmacokinetics of Intraventricular and Intravenous N,N',N''-

*Triethylenethiophosphoramide (Thiotepa) in Rhesus Monkeys and Humans. John M. Strong, Jerry M. Collins, Cynthia Lester and David G. Poplack.


Epidemiological


6525  Announcements

6526  Erratum

6527  Acknowledgment to Reviewers

6536  Author Index

Beginning January 1987, Cancer Research will be published twice a month. Issues will be numbered from 1 through 24 and dated the 1st and 15th day of each month. All of the subject categories covered by the journal will be represented in every issue.

NOTE: Advance registration form for 78th Annual Meeting of the American Association for Cancer Research available in the back of this issue.