### SATURDAY, APRIL 20, 1996

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>11:00 a.m.-8:00 p.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>12:00 noon-6:30 p.m.</td>
<td>Educational Sessions (Sessions are two hours in length. Exact schedule to be announced.)</td>
</tr>
<tr>
<td><strong>ED1</strong></td>
<td>Human Pharmacogenetics: Molecular Mechanisms and Clinical Relevance in Cancer Treatment, William E. Evans, Denis M. Grant, Robert B. Diasio</td>
</tr>
<tr>
<td><strong>ED2</strong></td>
<td>Bench to Bedside: Opportunities and Pitfalls in the Discovery and Development of Cancer Therapies, Robert L. Capizzi, Allen I. Oliff, Randall K. Johnson, Kenneth R. Harap</td>
</tr>
<tr>
<td><strong>ED3</strong></td>
<td>The Cell Cycle, Michael B. Kastan, William G. Kaelin, Jr., Chi Van Dang</td>
</tr>
<tr>
<td><strong>ED4</strong></td>
<td>Beyond the Human Genome Project: Technical Aspects of Genomic Characterization and Its Application to Cancer Research, Glen A. Evans</td>
</tr>
<tr>
<td><strong>ED5</strong></td>
<td>Combinatorial Library Methods for Basic Research and Drug Discovery, Sydney E. Salmon, Kit S. Lam, George Smith, Victor Krkichn</td>
</tr>
<tr>
<td>2:00 p.m.-6:00 p.m.</td>
<td>Methods Workshops (Separate registration required)</td>
</tr>
<tr>
<td><strong>WK1</strong></td>
<td>Quantitative Biology and Pharmacodynamics, Robert C. Jackson, Robert L. Dedrick, Mark J. Ratain, William R. Greco</td>
</tr>
<tr>
<td>6:30 p.m.-8:30 p.m.</td>
<td>Women in Cancer Research Guest Lecture and Reception.</td>
</tr>
<tr>
<td>8:00 p.m.-10:00 p.m.</td>
<td>Opening Mixer.</td>
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### SUNDAY, APRIL 21, 1996

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<th>Time</th>
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<tbody>
<tr>
<td>7:00 a.m.-4:00 p.m.</td>
<td>Registration</td>
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<tr>
<td>7:00 a.m.-8:00 a.m.</td>
<td>Sunrise Sessions</td>
</tr>
<tr>
<td><strong>SUN1</strong></td>
<td>Diane F. Birt: Mechanisms of Dietary Prevention of Cancer</td>
</tr>
<tr>
<td><strong>SUN2</strong></td>
<td>William S. Dalton: Challenges in Bone Marrow Transplantation</td>
</tr>
<tr>
<td><strong>SUN3</strong></td>
<td>Ronald B. Herberman: Natural Killer Cells</td>
</tr>
<tr>
<td><strong>SUN4</strong></td>
<td>Rakesh K. Jain: Tumor Pathophysiology: Role in Delivery of Molecules, Particles, and Cells</td>
</tr>
<tr>
<td><strong>SUN5</strong></td>
<td>Lovell A. Jones: Estrogens and Breast Cancer</td>
</tr>
<tr>
<td><strong>SUN6</strong></td>
<td>Stanley J. Korsmeyer: Apoptosis: Regulation and Oncogenesis</td>
</tr>
<tr>
<td><strong>SUN7</strong></td>
<td>Funmi I. Olopa: Chromosomal Deletions and Cancer: Recent Advances in Mapping Techniques</td>
</tr>
<tr>
<td>7:00 a.m.-8:00 a.m.</td>
<td>State Legislative Committees Meeting.</td>
</tr>
<tr>
<td>8:00 a.m.-12:00 noon</td>
<td>Poster Discussion Sessions</td>
</tr>
<tr>
<td><strong>IM1</strong></td>
<td>Antigens, Vaccines, and Monoclonal Antibodies</td>
</tr>
<tr>
<td><strong>EN1</strong></td>
<td>Breast Cancer I</td>
</tr>
<tr>
<td><strong>MB1</strong></td>
<td>Gene Expression in Breast Cancer I</td>
</tr>
<tr>
<td><strong>MB2</strong></td>
<td>Viral Oncogenesis I</td>
</tr>
<tr>
<td><strong>MB3</strong></td>
<td>Transcription Factors</td>
</tr>
<tr>
<td><strong>MB4</strong></td>
<td>Lung and Skin Cancer</td>
</tr>
<tr>
<td><strong>ET2</strong></td>
<td>Pharmacokinetics and Toxicology</td>
</tr>
<tr>
<td><strong>ET3</strong></td>
<td>Reversal of P-Glycoprotein Resistance by Small Molecules</td>
</tr>
<tr>
<td><strong>ET4</strong></td>
<td>Gene Therapy I - Tumor Directed Therapies</td>
</tr>
<tr>
<td><strong>ET5</strong></td>
<td>Genetic Determinants of Chemosensitivity</td>
</tr>
<tr>
<td><strong>IM2</strong></td>
<td>Cytokines and Tumor Immunity I</td>
</tr>
<tr>
<td><strong>EN2</strong></td>
<td>Prostate Cancer I</td>
</tr>
<tr>
<td><strong>C12</strong></td>
<td>Supportive Care and Tumor Biology</td>
</tr>
<tr>
<td><strong>CG2</strong></td>
<td>Chemical Carcinogenesis</td>
</tr>
<tr>
<td><strong>CG3</strong></td>
<td>Genetic and Cytogenetic Alterations in Human Tumor Cells</td>
</tr>
<tr>
<td><strong>BL2</strong></td>
<td>Invasion and Motility</td>
</tr>
<tr>
<td><strong>BL3</strong></td>
<td>Genetic Changes and Altered Gene Expression During Tumor Progression</td>
</tr>
<tr>
<td><strong>EP1</strong></td>
<td>Genetic Epidemiology - Prevention and Susceptibility</td>
</tr>
<tr>
<td><strong>EP2</strong></td>
<td>Retinoids, Antioxidants, and NOSADS</td>
</tr>
<tr>
<td>8:15 a.m.-11:45 a.m.</td>
<td>Minisymposia</td>
</tr>
<tr>
<td><strong>C11</strong></td>
<td>Leukemia and Lymphoma</td>
</tr>
<tr>
<td><strong>CG1</strong></td>
<td>Biomarkers of Chemical Exposure</td>
</tr>
<tr>
<td><strong>ET1</strong></td>
<td>DNA Topoisomerases I and Camptothecins</td>
</tr>
<tr>
<td><strong>BL1</strong></td>
<td>Mechanisms of Apotosis</td>
</tr>
<tr>
<td>8:15 a.m.-11:30 a.m.</td>
<td>Plenary Session</td>
</tr>
<tr>
<td>The Progress and Promise of Cancer Research: A Celebration of the Twenty-fifth Anniversary of the National Cancer Act, Joseph R. Bertino, Harold E. Varmus, Arnold J. Levine, Susan Band Horwitz, Paul Talalay, James F. Holland, Lloyd J. Old</td>
<td></td>
</tr>
<tr>
<td>11:45 a.m.-12:45 p.m.</td>
<td>35th Claus Award Lecture</td>
</tr>
<tr>
<td>Robert A. Weinberg, Control of Proliferation by the Cell Cycle Clock</td>
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</tr>
<tr>
<td>12:30 p.m.-5:00 p.m.</td>
<td>Commercial Exhibit Show</td>
</tr>
<tr>
<td>1:00 p.m.-2:00 p.m.</td>
<td>Controversy Session 1</td>
</tr>
<tr>
<td>1:00 p.m.-2:00 p.m.</td>
<td>Controversy Session 2</td>
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<tr>
<td>1:00 p.m.-5:00 p.m.</td>
<td>Poster Discussion Sessions</td>
</tr>
<tr>
<td><strong>BL4</strong></td>
<td>Genes Involved in Invasion and Metastasis</td>
</tr>
<tr>
<td><strong>ET7</strong></td>
<td>DNA Repair and Its Inhibition</td>
</tr>
<tr>
<td><strong>CG4</strong></td>
<td>Oxygen Radicals</td>
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<tr>
<td>1:00 p.m.-5:00 p.m.</td>
<td>Poster Sessions</td>
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<tr>
<td><strong>MB6</strong></td>
<td>Signal Transduction</td>
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<tr>
<td><strong>MB7</strong></td>
<td>Gene Regulation in Breast Cancer</td>
</tr>
<tr>
<td><strong>MB8</strong></td>
<td>Gene Regulation</td>
</tr>
<tr>
<td><strong>ET8</strong></td>
<td>Expression of Drug Resistance Genes in Human Tumors</td>
</tr>
<tr>
<td><strong>ET9</strong></td>
<td>P-Glycoprotein, MRP, and Other Mechanisms of Multidrug Resistance</td>
</tr>
<tr>
<td><strong>ET10</strong></td>
<td>ras/raf Directed Therapy</td>
</tr>
<tr>
<td><strong>ET11</strong></td>
<td>Pyrimidine Antimetabolites</td>
</tr>
<tr>
<td><strong>IM3</strong></td>
<td>Cytokines and Tumor Immunity I</td>
</tr>
<tr>
<td><strong>EN3</strong></td>
<td>Growth Factors and Cell Surface Receptors</td>
</tr>
<tr>
<td><strong>CI4</strong></td>
<td>Phase II/III Studies</td>
</tr>
<tr>
<td><strong>CG5</strong></td>
<td>Animal Models</td>
</tr>
<tr>
<td><strong>BL5</strong></td>
<td>Growth Factors and Cytokines</td>
</tr>
<tr>
<td><strong>BL6</strong></td>
<td>Biological Aspects of Drug Resistance</td>
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<tr>
<td>Time</td>
<td>Event</td>
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<tr>
<td>1:45 p.m.-5:15 p.m.</td>
<td>Minisymposium</td>
</tr>
<tr>
<td>CI3</td>
<td>Clinical Pharmacology I</td>
</tr>
<tr>
<td>ET6</td>
<td>New Drugs I</td>
</tr>
<tr>
<td>MB5</td>
<td>Telomerase I</td>
</tr>
<tr>
<td>2:15 p.m.-5:15 p.m.</td>
<td>Symposium</td>
</tr>
<tr>
<td>S1</td>
<td>Tumor Suppressor Genes, Bert Vogelstein, Yosef Shiloh, Todd Waldman, Alexander Kamb, Allan Bradley, Richard D. Klausner</td>
</tr>
<tr>
<td>S2</td>
<td>Ovarian Cancer: From the Laboratory to the Clinic, Robert F. Ozols, Thomas C. Hamilton, Donald M. Black, E.G. Elisabeth de Vries, David T. Curiel</td>
</tr>
<tr>
<td>S4</td>
<td>Monoclonal Antibodies: Clinical Effectiveness, Ellen S. Vietta, Mark Slawkowski, Pamela A. Trail, Dana C. Matthews</td>
</tr>
<tr>
<td>S5</td>
<td>Genetic, Environmental, and Behavioral Factors in Cancer Risk, Lucile L. Adams-Campbell and Francis Ali-Osman, John S. Kovach, Ronald A. Morton, Jr., George E. Bonney, Margaret R. Spitz, Bailus Walker, Hie-Won L. Han</td>
</tr>
<tr>
<td>5:30 p.m.-6:30 p.m.</td>
<td>Joseph H. Burchenal AACR Clinical Research Award Lecture</td>
</tr>
<tr>
<td>6:30 p.m.-9:00 p.m.</td>
<td>Minority Issues Committee Symposium, Reflections from Scientists: Their Pathways to Success, Marian Johnson-Thompson, Tracie Bunton, Cesar Calderon, Cecil B. Pickett, Jerrel Yakel. Washington, DC Renaissance Hotel</td>
</tr>
<tr>
<td>8:00 p.m.-10:30 p.m.</td>
<td>Annual Reception. Grand Hyatt Washington Hotel</td>
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**Monday, April 22, 1996**

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<tr>
<td>7:00 a.m.-4:00 p.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>7:00 a.m.-8:00 a.m.</td>
<td>Sunrise Sessions</td>
</tr>
<tr>
<td>SUN8</td>
<td>Peggy J. Farnham: Nuclear Oncogenes: Effects on Cell Cycle Regulation and Neoplastic Transformation</td>
</tr>
<tr>
<td>SUN9</td>
<td>John G. Gribben: Quantitative PCR as a Tool to Detect Minimal Residual Disease in Leukemia and Lymphoma</td>
</tr>
<tr>
<td>SUN10</td>
<td>Stephen S. Hecht: Chemoprevention of Cancers Associated with Tobacco Use</td>
</tr>
<tr>
<td>SUN11</td>
<td>V. Craig Jordan: Antiestrogens</td>
</tr>
<tr>
<td>SUN12</td>
<td>Philip Livingston: Specific Immunotherapy of Melanoma</td>
</tr>
<tr>
<td>SUN13</td>
<td>John A. McLachlan: Environmental Carcinogens: Their Impact in Cancer</td>
</tr>
<tr>
<td>SUN14</td>
<td>Daniel Medina: Multistage Mammary Carcinogenesis</td>
</tr>
<tr>
<td>7:00 a.m.-8:00 a.m.</td>
<td>WICR Networking Session. Washington, DC Renaissance Hotel</td>
</tr>
<tr>
<td>8:00 a.m.-11:00 a.m.</td>
<td>Symposia</td>
</tr>
<tr>
<td>S6</td>
<td>Steroid Hormones: Breast and Prostate Cancer, Myles A. Brown, Benita S. Katzenellenbogen, Donald P. McDonnell, Norman M. Greenberg, Roger L. Miesfeld</td>
</tr>
<tr>
<td>S7</td>
<td>Matrix Metalloproteinases and Their Inhibitors, Lynn M. Matrisian, Ruth J. Muschel, Motoharu Seiki, Yves DeClerck, Peter Brown</td>
</tr>
<tr>
<td>S8</td>
<td>Recent Developments in Gene Therapy, Drew M. Pardoll, Inder M. Verma, Philip D. Greenberg, Arthur Bank</td>
</tr>
<tr>
<td>8:00 a.m.-12:00 noon</td>
<td>Poster Discussion Sessions</td>
</tr>
<tr>
<td>BL8</td>
<td>Apoptosis</td>
</tr>
<tr>
<td>MB9</td>
<td>DNA Repair</td>
</tr>
<tr>
<td>ET13</td>
<td>Biology of MRP</td>
</tr>
<tr>
<td>8:00 a.m.-12:00 noon</td>
<td>Poster Sessions</td>
</tr>
<tr>
<td>BL9</td>
<td>Tumor Vasculature and Angiogenesis</td>
</tr>
<tr>
<td>BL10</td>
<td>Differentiation and Growth Inhibition</td>
</tr>
<tr>
<td>BL11</td>
<td>Regulation and Characterization of Cell Cycle Genes</td>
</tr>
<tr>
<td>IM5</td>
<td>Immunobiology</td>
</tr>
<tr>
<td>EN4</td>
<td>Nuclear Receptors and Signal Transduction</td>
</tr>
<tr>
<td>CI5</td>
<td>Clinical Pharmacology I</td>
</tr>
<tr>
<td>CG6</td>
<td>Molecular Responses to DNA Damage</td>
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<tr>
<td>CG7</td>
<td>Cell Culture and Animal Models</td>
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<tr>
<td>EP5</td>
<td>Cancer Biomarkers</td>
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<td>ET14</td>
<td>Novel Topoisomerase Inhibitors</td>
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<tr>
<td>ET15</td>
<td>Kinase Directed Therapies</td>
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<tr>
<td>ET16</td>
<td>Novel Antitumor Agents</td>
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<tr>
<td>ET17</td>
<td>Novel Antitumor Agents</td>
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<td>MB10</td>
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<tr>
<td>MB11</td>
<td>Oncogenes I</td>
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<tr>
<td>MB12</td>
<td>Gene Expression I</td>
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<tr>
<td>8:15 a.m.-11:45 a.m.</td>
<td>Minisymposium</td>
</tr>
<tr>
<td>EP4</td>
<td>Mechanisms of Chemoprevention</td>
</tr>
<tr>
<td>IM4</td>
<td>Tumor Antigens and Effector Cell Response</td>
</tr>
<tr>
<td>ET12</td>
<td>Novel Drug Resistance Mechanisms</td>
</tr>
<tr>
<td>RR2</td>
<td>Radiation, Apoptosis, and the Cell Cycle</td>
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<tr>
<td>10:00 a.m.-4:00 p.m.</td>
<td>Commercial Exhibit Show</td>
</tr>
<tr>
<td>11:30 a.m.-12:45 p.m.</td>
<td>Presidential Address</td>
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<tr>
<td>Presentation of Fourth Gertrude Elion Cancer Research Award</td>
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<tr>
<td>1:00 p.m.-2:00 p.m.</td>
<td>Fifth American Cancer Society Award Lecture</td>
</tr>
<tr>
<td>Lee W. Wattenberg, Prevention of Cancer: The Role of Chemoprevention for the General Population and for Individuals at High Risk Due to Genetic Defects or Other Factors</td>
<td></td>
</tr>
<tr>
<td>1:00 p.m.-2:00 p.m.</td>
<td>Controversy Session 3</td>
</tr>
<tr>
<td>Does Regional Chemotherapy Work? David S. Alberts, Maurie Markman, Michael J. O'Connell</td>
<td></td>
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<tr>
<td>1:00 p.m.-5:00 p.m.</td>
<td>Poster Discussion Sessions</td>
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<tr>
<td>CG8</td>
<td>Carcinogen Metabolism in Animals and Humans</td>
</tr>
<tr>
<td>BL13</td>
<td>Molecular Effectors of Tumor Progression</td>
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<tr>
<td>ET18</td>
<td>Antifolate and Thymidylate Synthase Inhibitors</td>
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<tr>
<td>1:00 p.m.-5:00 p.m.</td>
<td>Poster Sessions</td>
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<tr>
<td>BL14</td>
<td>Antiinvasion or Metastasis Strategies</td>
</tr>
<tr>
<td>BL15</td>
<td>Behavior of Naturally Occurring Tumors and Model Systems</td>
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<td>IM6</td>
<td>Immunomodulation</td>
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<td>IM7</td>
<td>Modulation of T Cell Function</td>
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<tr>
<td>IM8</td>
<td>Modulation of Macrophage and NK/LAK Cell Function</td>
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<tr>
<td>CI7</td>
<td>Clinical Pharmacology - Pharmacokinetics</td>
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<tr>
<td>CG9</td>
<td>Metabolism and Activation of Carcinogens in Animal Models</td>
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<tr>
<td>CG10</td>
<td>Tumor Promotion/Progression</td>
</tr>
<tr>
<td>EN6</td>
<td>Breast Cancer II</td>
</tr>
<tr>
<td>ET19</td>
<td>Alkylation Agents and Platinum Analogs I</td>
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</tbody>
</table>
8:00 a.m.-12:00 noon Poster Discussion Sessions
BL17 Signal Transduction I
CI8 Markers of Response and Predictors of Outcome in Solid Tumors
ET24 New Approaches to Drug Discovery and Selective Therapeutics

8:00 a.m.-12:00 noon Poster Sessions
ET25 Purine and Pyrimidine Antagonists
ET26 Combination Chemotherapy
ET27 Tubulin Inhibitors
ET28 Chemoprevention Therapeutics and Other Antitumor Agents
MB18 Telomerase II
MB19 Oncogenes I
EP7 Mechanisms of Chemoprevention by Endogenous and Dietary Factors
IM9 Gene Therapy
EN7 Hormonal Carcinogenesis and Hormonal Control of Cell Growth and Death
BL18 Apoptosis - Molecular Mechanisms I
BL19 Kinetics, Models (Cell Growth and Death)
CG11 Metabolism and Activation of Carcinogens in Humans
CG12 Genetic Susceptibility and Premalignant Lesions in Humans
CI9 Phase I and II Clinical Trials
CI10 Clinical Biology of Solid Tumors

8:15 a.m.-11:45 a.m. Minisymposia
EP6 Genetic Epidemiology: Genetic Susceptibility and Gene-environmental Interaction
ET23 Resistance to Platinum Drugs
MB17 Tumor Suppressor Genes I
BL16 Host Effects on Tumor Cells: Angiogenesis

11:00 a.m.-5:00 p.m. Commercial Exhibit Show

11:45 a.m.-12:45 p.m. 20th Rosenthal Award lecture
James O. Armitage, The Place of Bone Marrow Transplantation in the Management of Patients with Lymphoma

1:00 p.m.-2:00 p.m. Late-breaking Research Session

1:00 p.m.-5:00 p.m. Poster Discussion Sessions
CI11 Biology of Breast Cancer
ET30 P-Glycoprotein: Structure/Function Studies
MB21 Prostate Cancer

1:00 p.m.-5:00 p.m. Poster Sessions
ET31 Ribozyme and Antisense Gene Therapy Strategies
ET32 Chimeric Toxins and Enzyme-derived Therapies
ET33 Antifolates
ET34 Lipid Ethers and Other Lipid Antitumor Agents
MB22 Gene Expression in Breast Cancer II
MB23 DNA Repair and Methylation
MB24 Tumor Suppressor Genes II
EP8 Genetic Susceptibility/Gene-environmental Interactions/Other Epidemiological Studies
IM11 Melanoma Associated Antigens and Effector Cell Response
IM12 Antigens, Vaccines, and Effector Cell Responses
BL21 Proteases: Their Role in Metastasis and Invasion
BL22 Adhesion
BL23 Effect of Carbohydrates on Metastasis and Invasion, Adhesion and Proteases
CG14 Altered Gene Expression in Carcinogenesis
RR3 p53/Radiation ontherapy/Phototherapy
CI12 Clinical Tumor Biology I

1:45 p.m.-5:15 p.m. Minisymposia
IM10 Cytokines and Effector Cells
ET29 Epidermal Growth Factor Receptor Directed Therapeutics
CG13 Carcinogen-DNA Adducts: Influence on Transcription and Replication
BL20 Invasion and Metastasis
2:15 p.m.-6:30 p.m.  Symposium
S18  Cell Signaling, Channing Der and Deborah Morrison, Andrius Kazlauskas, Ann Marie Pendergast, Melanie Cobb
S19  Cancer Chemoprevention in Humans, Thomas W. Kessler, Gary J. Kellogg, Michael N. Gould, Alberto F. Costa, Francis M. Giardiello
S20  Neuroblastoma: Recent Advances in Biology and Treatment, Garrett M. Brodeur, Susan L. Cohn, Nai-Kong V. Cheung, C. Patrick Reynolds, Katherine K. Matthey, Robert P. Castleberry
S21  Telomerase, Cell Senescence, and Cancer, Calvin B. Harley, J. Carl Barrett, Maria Blasco, Jerry W. Shay, Karen Prowse

5:00 p.m.-8:00 p.m.  WICR Business Meeting  Washington, DC Renaissance Hotel

Wednesday, April 24, 1996

7:00 a.m.-2:00 p.m.  Registration

7:00 a.m.-8:00 a.m.  Sunrise Sessions
SUN22  Ernest C. Borden: Interferons in Cancer
SUN23  Richard A. Heyman: Transcription Factors As Therapeutic Targets
SUN24  Theodore S. Lawrence: Radiation Sensitization
SUN25  Eric K. Rowinsky: Drugs Which Interact with Microtubules: An Update
SUN26  Jeffrey Schlom: Tumor Vaccines
SUN27  Peter D. Senter: Prodrugs for Cancer Chemotherapy
SUN28  Martha R. Stamper: Culturing Normal and Transformed Human Epithelial Cells

8:00 a.m.-11:00 a.m.  Symposium
S22  Cell Adhesion Molecules and the Cytoskeleton, Jun-Lin Guan and Rudolph L. Juliano, Thomas P. Stossel, Paul Polakis, Eva Ann Turley
S23  Drug Metabolizing Enzymes in Cancer Prevention and Therapy, Cecil B. Pickett, F. Peter Guengerich, Frank J. Gonzalez, Chung S. Yang
S24  The Cell Cycle and Damage Response Pathways: Potential Targets for Therapy, Stephen H. Friend, Frank McCormick, David Beach, James M. Roberts, Nick J. Dyson, Paul A. Marks

8:00 a.m.-12:00 noon Poster Discussion Sessions
EP9  Mutation Epidemiology and Biomarkers of Environmental Exposure
ET36  Therapy Directed Apoptosis
IM13  Cytokines and Tumor Immunity III

8:00 a.m.-12:00 noon Poster Sessions
EN8  Hormone Action, Hormone Synthesis, Metabolism, and Inhibitors
BL24  Apoptosis - Molecular Mechanisms II
BL25  Regulation of Cell Cycle Genes by Endogenous and Exogenous Factors
BL26  Extracellular Matrix, Signaling, and Adhesion
CG16  DNA Adducts
CG17  Exposure Biomarkers
CI14  Clinical Tumor Biology II
EP10  Effects of Chemopreventive Agents on Carcinogen Metabolism and DNA Adducts
IM14  Monoclonal Antibodies: Immunoconjugates and Immunotherapy
MB26  Techniques in Molecular Biology
MB27  Enzymes and Isoenzymes
MB28  Gene Expression in Ovarian Cancer
ET37  Taxol
ET38  Gene Therapy II - Gene Transfer, Cell Cycle, and Other Studies
ET39  Pharmacodynamics
ET40  Glutathione and Other Drug Resistance Mechanisms

8:15 a.m.-11:45 a.m.  Minisymposia
C113  Phase I Trials
CG15  Signal Transduction in Tumor Progression
ET35  Human Gene Therapy: Early Trial Results and Promising New Leads
MB25  Microsatellite Instability

11:45 a.m.-12:45 p.m.  15th Cain Award Lecture
Kurt W. Kohn, Beyond DNA Crosslinking

1:00 p.m.-2:00 p.m.  Controversy Session 4
Is p53/Rb Important for Therapeutic Outcome?, William F. Benedict, Carlos Cordon-Cardo, David Sidransky

1:00 p.m.-5:00 p.m.  Poster Discussion Sessions
EP11  Diet and Nutrition
ET42  Developing Effective Gene Therapy: Promising Strategies and Vectors
MB29  Retinoids and Differentiation

1:00 p.m.-5:00 p.m.  Poster Sessions
EN10  Gynecological, Lung, and Genitourinary Cancers
RR4  Animal and Patient Studies with Radiation/Drug-Radiation Studies
BL28  Apoptosis - Clinical Implications
BL29  Signal Transduction II
CG18  Mutagenesis and Repair
CG19  Growth Factors and Signaling in Carcinogenesis
CI16  Clinical Tumor Biology III
IM15  Monoclonal Antibodies; Immunotoxins and Immunotherapy
MB30  Tumor Suppressor Genes III
MB31  Tumor Suppressor Genes IV
MB32  Gene Regulation and Expression
ET43  Regulation of P-Glycoprotein Expression
ET44  New Drugs II
ET45  Tumor Markers and Methods of Drug Delivery
ET46  Liposomes and Drug Delivery Formulations
ET47  Experimental Drug Resistance

1:45 p.m.-5:15 p.m.  Minisymposia
BL27  Novel Signaling Pathways and Crosstalk
CI15  Predictors of Response and Prognosis Markers in Solid Tumors
EN9  Prostate Cancer II
ET41  Alkylating Agents and Platinum Analogos II

2:15 p.m.-5:15 p.m.  Symposium
S26  Genetic Predisposition to Cancer, Mark H. Skolnick, Francis S. Collins, Richard D. Kolodner, William B. Isaacs, Sean Tavitgian
One hour has been set aside for the presentation of about 4 definitive reports of highly significant and timely findings in the field. Criteria for the selection of these presentations and instructions for submission of abstracts are as follows:

**INSTRUCTIONS FOR SUBMISSION OF LATE-BREAKING ABSTRACTS**

1. The work to be presented must be of major novelty and significance, e.g., the characterization of a new gene in familial cancer, and should not have been previously published in a peer-reviewed scientific journal or presented at a national meeting.

2. The abstract must be sponsored by an AACR member in good standing (dues paid for 1996).

3. Each member in good standing may sponsor only one abstract for this session whether or not he or she sponsored an abstract last December for the regular annual meeting program. If an associate member is the sponsor, the abstract must also be endorsed by an active or corresponding member in good standing. In this case, the endorser does not forfeit the opportunity to sponsor a late-breaking abstract.

4. Abstracts must be typed on one side of one sheet of white paper.

5. All text on the page must fit within an area 6 1/2" wide and 9" high (16.5 cm X 22.9 cm) with margins of at least 1" (2.5 cm) on the top, bottom, and sides of the page.

6. Each abstract must be accompanied by a covering letter from the sponsor explaining why the work is novel and significant enough to be considered for this late-breaking research session and certifying that the findings became available after the annual meeting abstract deadline of December 1, 1995. This letter must contain the sponsor's complete mailing address, FAX number, and Email address (if available) so that we can communicate the scheduling decision of the Program Committee.

7. Abstracts and covering letters must be received in the AACR Office by 5:00 p.m. Eastern Time on March 15, 1996. FAX transmissions are not acceptable. Carrying envelopes should be clearly marked "Late-Breaking Abstract," and should be addressed to American Association for Cancer Research, Public Ledger Building, Suite 816, 150 South Independence Mall West, Philadelphia, PA 19106-3483. If you wish to receive acknowledgment of receipt of your abstract, enclose a self-addressed post card with appropriate postage affixed. Accepted abstracts will not be published since they will be received after the Proceedings of the American Association for Cancer Research has been printed; however, they will be distributed at the session in Washington.

8. A special subcommittee of the Program Committee appointed by President Joseph R. Bertino will select the papers to be presented. Presenters of accepted papers will be notified via FAX no later than March 29, 1996.
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CONFERENCE PROGRAM

Effects of UV and Oxidative Stress
on Signal Transduction and
Gene Regulation in Eukaryotes
Tom Curran / Memphis, TN
Michael Karin / La Jolla, CA
Rex M. Tyrrell / Lausanne, Switzerland

Oxidative Stress and DNA Damage
in Prokaryotes
Gisela T. Storz / Bethesda, MD
Graham C. Walker / Cambridge, MA

Heat Shock Responses and Molecular
Chaperones
Richard I. Morimoto / Evanston, IL
Costa P. Georgopoulos / Geneva, Switzerland
Linda M. Hendershot / Memphis, TN

Mechanisms of Detection and Response
to Heavy Metals and Drugs
Thomas V. O'Halloran / Evanston, IL
Frank J. Gonzalez / Bethesda, MD
John A. McLachlan / New Orleans, LA

Cytotoxic Signaling Pathways and Apoptosis
Douglas R. Green / La Jolla, CA
John A. Hickman / Manchester, England
John C. Reed / La Jolla, CA

Monitoring Genomic Integrity After Cytotoxic
Insult: DNA Topology, Protein Kinases,
and DNA Repair
Merl F. Hoekstra / Bothell, WA
Stephen P. Jackson / Cambridge, England
Ian D. Hickson / Oxford, England

Monitoring Genomic Integrity After Cytotoxic Insult:
DNA Damage, p53, and Repair
Albert J. Fornace, Jr. / Bethesda, MD
James M. Ford / Stanford, CA
Jo Milner / York, England

Attenuation of Cytotoxic Signals, Genetic Suppressor
Elements, and DNA Repair as Mechanisms of Drug
Resistance
Tomas Lindahl / South Mimms, England
Andrei V. Gudkov / Chicago, IL
Kimitoshi Kohno / Fukuoka, Japan
William T. Beck / Memphis, TN

Protein Degradation
Wolfgang Baumeister / Martinsried, Germany
Martin Rechsteiner / Salt Lake City, UT
Aaron Clechanover / Haifa, Israel

Plenary Session
David P. Lane / Dundee, Scotland

Application Deadline: April 1, 1996

Information and Application Forms:
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Faculty

Lectures

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GARY J. NABEL/ Ann Arbor, MI
ALLEN I. OLIFF/ West Point, PA
JENNIFER A. PIETENPOL/ Nashville, TN
NADIA ROSENTHAL/ Charlestown, MA
PATRICIA S. STEEG/ Bethesda, MD
MIN WU/ Beijing, P. R. C.

Laboratory Rotations

MARK S. BOGUSKI/ Bethesda, MD. "Computer Searching in Molecular Biology."
JULIE A. CAMPAIN/ Denver, CO. "Polymerase Chain Reaction Technology."
JAMES P. HOEFFLER/ San Diego, CA. "Transfer of Nucleic Acids and Proteins."
MARILEILA V. GARCIA/ Denver, CO. "Practical Cytogenetics."
CORI GORMAN/Burlingame, CA. "Gene Expression Systems."

Application Deadline March 25, 1996

For further information, contact

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