

## 9:00 AM-11:00 AM Educational Sessions

**Chemokines as Mediators of Invasion and Metastasis**, Frances R. Balkwill, Chairperson and Tsvee Lapidot, Co-Chairperson, Room 146, Washington Convention Center, p. 51

**Expression Signatures: Challenges to the Promise of Individualized Therapy**, Jeffrey M. Trent, Chairperson, Ballroom B, Washington Convention Center, p. 52

**From Chemistry to the Clinic: Pathways for Drug Discovery and Development. Part 1: Target Identification and Validation in Cancer Drug Discovery**, John T. Hunt, Chairperson, Ballroom A, Washington Convention Center, p. 52

**Genetic Screens for Cancer Genes in Model Systems**, David A. Largaespada, Chairperson, Ballroom C, Washington Convention Center, p. 53

**Immunology 101: Basic Concepts and Applications to Cancer Epidemiology**, James R. Cerhan, Chairperson, Room 143, Washington Convention Center, p. 53

**Model-based Drug Development for New Oncology Agents**, Jeffrey S. Barrett, Chairperson, Room 151, Washington Convention Center, p. 54

**Novel Molecular Targets for Chemoprevention**, Ethan Dmitrovsky, Chairperson, Room 145, Washington Convention Center, p. 54

**Protein Translation in Cancer**, Mary-Ann Bjornsti, Chairperson, Room 207, Washington Convention Center, p. 55

**Fantastic Voyage: Harnessing the Host Immune Response to Cancer**, Hyam I. Levitsky, Chairperson, Room 144, Washington Convention Center, p. 58

**From Chemistry to the Clinic: Pathways for Drug Discovery and Development. Part 2: Lead Generation**, Sonya D. Zabudoff, Chairperson, Ballroom A, Washington Convention Center, p. 59

**How Good Are Our Models for Cancer Invasion and Metastasis?**, Lynn M. Matrisian, Chairperson, Room 143, Washington Convention Center, p. 59

**Molecular Imaging in the Development of Novel Therapies**, Daniel C. Sullivan, Chairperson, Room 151, Washington Convention Center, p. 60

**Pharmacogenomics of Cancer: From Germline Polymorphisms to Somatic Mutations**, William E. Evans, Chairperson, Room 146, Washington Convention Center, p. 60

**Proteomics: Contributions to Molecular Profiling and Target Discovery**, Benjamin F. Cravatt, Chairperson, Ballroom B, Washington Convention Center, p. 61

**Ubiquitin-mediated Pathways in Cancer**, Allan M. Weissman, Chairperson, Room 207, Washington Convention Center, p. 61

**Update on Antiangiogenic Therapy in Cancer**, Carol J. Thiele, Chairperson, Ballroom C, Washington Convention Center, p. 62

## 9:00 AM-11:00 AM Methods Workshop

**Haplotyping Methodology: What's Nuts and What's Bolts**, Peter G. Shields, Chairperson, Room 202, Washington Convention Center, p. 56

## 10:00 AM-2:00 PM Public Forum

**Cancer Forum 2006: A Public Forum Highlighting the Latest Discoveries**, Grand Ballroom North, Renaissance Washington Hotel, p. 57

## 11:15 AM-1:15 PM Educational Sessions

**Developmental Pathways as Therapeutic Targets**, Rosalind A. Segal, Chairperson, Room 145, Washington Convention Center, p. 58

## 11:15 AM-1:15 PM Methods Workshops

**Development of Proteomics in Cancer Research**, David P. Carbone, Chairperson, Room 202, Washington Convention Center, p. 63

**Dissecting the Genomic Architecture of Cancer**, Barbara L. Weber, Chairperson, Room 147, Washington Convention Center, p. 63

## 12:00 PM-5:00 PM Professional Advancement Series

**Ninth Annual Grant Writing Workshop for Associate Members (uses the R01 mechanism as a model)**, Independence Ballroom F-I, Grand Hyatt Washington Hotel, p. 64

### Category Codes for Poster Sessions and Minisymposia:

CB = Cellular and Molecular Biology; CG = Carcinogenesis; CH = Chemistry; CL = Clinical Research; EN = Endocrinology; EP = Epidemiology; ET = Experimental and Molecular Therapeutics; IM = Immunology; PR = Prevention Research; TB = Tumor Biology.

## 2:00 PM-4:00 PM

### Educational Sessions

**Basic Biostatistics for Clinical Trials**, Donna S. Neuberg, Chairperson, Room 143, Washington Convention Center, p. 65

**Cancer Epigenetics: Methods and Diagnostics**, Benjamin Tycko, Chairperson, Room 146, Washington Convention Center, p. 65

**Chemical Biology of Carcinogenesis: Role of Sequence-Specific DNA Adducts**, Carmelo J. Rizzo, Chairperson, Room 144, Washington Convention Center, p. 66

**Current Developments in Preventive and Therapeutic Vaccines for Human Papilloma Virus Induced Cancers**, W. Martin Kast, Chairperson, Room 145, Washington Convention Center, p. 68

**From Chemistry to the Clinic: Pathways for Drug Discovery and Development. Part 3: The Impact of Chemical Structure on Drug Optimization and Development Process**, Michael J. Luzzio, Chairperson, Ballroom A, Washington Convention Center, p. 66

**Radicals and Cancer**, Toren Finkel, Chairperson, Room 207, Washington Convention Center, p. 67

**Senescence and Cancer**, Scott W. Lowe, Chairperson, Ballroom C, Washington Convention Center, p. 67

**Targeting Ras Signaling for Cancer Therapy**, Dafna Bar-Sagi, Chairperson, Ballroom B, Washington Convention Center, p. 68

**The Third Dimension: Mechanistic Studies of Tumorigenesis in Context**, Valerie M. Weaver, Chairperson, Room 151, Washington Convention Center, p. 69

## 2:00 PM-4:00 PM

### Methods Workshops

**Current Topics in Bioinformatics: Applications to Cancer Research**, Andreas D. Baxevanis, Chairperson, Room 202, Washington Convention Center, p. 70

**Sample Collection, Processing, and Storage for Large Scale Studies: Biorepositories to Support Cancer Research**, Christine B. Ambrosone, Chairperson, Room 147, Washington Convention Center, p. 70

## 2:00 PM-6:00 PM

### Professional Advancement Series

**Grant Writing Workshop for Clinicians (uses the K08 mechanism as a model)**, Farragut Square and Lafayette Rooms, Grand Hyatt Washington Hotel, p. 71

## 4:15 PM-6:15 PM

### Educational Sessions

**DNA Repair Mechanisms and Cancer**, Maria Jasin, Chairperson, Ballroom B, Washington Convention Center, p. 72

**From Chemistry to the Clinic: Pathways for Drug Discovery and Development. Part 4: Microtubule-Stabilizing Agents-Beyond Taxol and Taxotere**, Antonio T. Fojo, Chairperson, Ballroom A, Washington Convention Center, p. 72

**Genetic Mechanisms of Cancer Development**, Lynda Chin, Chairperson, Room 207, Washington Convention Center, p. 73

**Harnessing the Power of Nanotechnology for Diagnostics and Treatment of Cancer**, Jill C. Pelling and Chad A. Mirkin, Co-Chairpersons, Room 151, Washington Convention Center, p. 73

**Histone Deacetylase Inhibitors: How Do They Kill Tumor Cells?**, Steven Grant, Chairperson, Room 146, Washington Convention Center, p. 74

**Human Stem Cells**, Diane Krause, Chairperson, Ballroom C, Washington Convention Center, p. 74

**Mitochondria and Metabolism**, Douglas R. Green, Chairperson, Room 145, Washington Convention Center, p. 75

**Trial Designs for Targeted Therapies**, Donna S. Neuberg, Chairperson, Room 143, Washington Convention Center, p. 75

## 4:15 PM-6:15 PM

### Methods Workshop

**Genomic Analysis of Epigenetic Modifications and Transcriptional Regulators**, Bradley E. Bernstein, Chairperson, Room 202, Washington Convention Center, p. 76

## 6:00 PM-8:30 PM

### Professional Advancement Series

**Careers in Clinical and Translational Cancer Research**, William N. Hait, Chairperson, Constitution Hall B-E, Grand Hyatt Washington Hotel, p. 77

## 6:15 PM-7:30 PM

### Ninth Annual AACR-Women in Cancer Research-Charlotte Friend Memorial Lecture

Nancy Hopkins, Ballroom A, Washington Convention Center, p. 78

## 7:00 AM-8:00 AM

### Meet-the-Expert Sunrise Sessions

**Acute Promyelocytic Leukemia: A Paradigm for Novel Cancer Treatment Strategies**, Pier Giuseppe Pelicci, Room 146, Washington Convention Center, p. 80

**Angiogenesis, Lymphangiogenesis, and Cancer Metastasis**, Michael J. Detmar, Room 206, Washington Convention Center, p. 80

**Cancer Genetics and Drug Target Selection**, William G. Kaelin, Jr, Room 151, Washington Convention Center, p. 80

**Customizing Antibodies for Cancer Therapy**, Louis M. Weiner, Room 201, Washington Convention Center, p. 80

**Epigenetic Regulation of BRCA1**, Olufunmilayo I. Olopade, Room 103, Washington Convention Center, p. 80

**EWS-FLI-1 Dependent and Independent Mechanisms Contributing to the Development of Ewing's Tumors**, Olivier Delattre, Room 204, Washington Convention Center, p. 81

**Life or Death Decisions in Response to p53**, Karen H. Vousden, Room 143, Washington Convention Center, p. 81

**Modeling Breast Cancer Metastasis, Recurrence, and Tumor Dormancy in the Mouse**, Lewis A. Chodosh, Room 145, Washington Convention Center, p. 81

**mTOR: A Determinant of Aggressive Behavior in Sarcomas**, Lee J. Helman, Room 209, Washington Convention Center, p. 81

**New Technologies for Profiling the Cancer Genome**, Paul S. Meltzer, Room 144, Washington Convention Center, p. 81

**Oncogenomics to Target the Tumor Cell in Its Microenvironment**, Kenneth C. Anderson, Room 150, Washington Convention Center, p. 81

**PI3-Kinase: From Viral Oncoprotein to Drug Target**, Peter K. Vogt, Room 152, Washington Convention Center, p. 82

**Strategies for More Efficient Cancer Therapeutics Development**, David R. Parkinson, Room 147, Washington Convention Center, p. 82

**The Bcl-2 Life/Death Switch in Cancer Development and Therapy**, Suzanne Cory, Room 207, Washington Convention Center, p. 82

**Translocation of Membrane EGF Receptor to the Nucleus: Function and Mechanism**, Mien-Chie Hung, Room 102, Washington Convention Center, p. 82

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## 7:00 AM-8:00 AM

### NIH Session

**NIH Grants: Changes in Review and Funding Opportunities**, Suresh Mohla, Moderator, Room 140, Washington Convention Center, p. 79

## 8:00 AM-12:00 NOON

### Poster Sessions

Exhibit Hall, Washington Convention Center

- CB 1 DNA Methylation and Silencing, p. 83
- CB 2 DNA Methylation, Markers and Methylator Phenotype, p. 84
- CB 3 EGFR Family Signaling, p. 85
- CB 4 Gene Expression 1, p. 86
- CB 5 Gene Expression 2, p. 87
- CB 6 Genomics 1: DNA Profiling and Integrated Approaches, p. 88
- CB 7 Receptor Trafficking, Processing, and Crosstalk 1, p. 89
- CB 8 Screening and Analysis of Genetic and Epigenetic Mutations, p. 90
- TB 1 Angiogenesis Inhibitors 1, p. 91
- TB 2 Animal Models of Human Cancers 1: Hematopoietic, Metastasis, etc., p. 92
- TB 3 Chemokines and Other Soluble Mediators of Cancer Initiation, Progression, and Metastasis, p. 93
- TB 4 Stem Cells in Cancer 1, p. 94
- CG 1 Molecular Carcinogenesis, p. 95
- CG 2 Molecular Signaling Pathways in Cancer, p. 96
- CL 1 Clinical Research 1: Gastrointestinal Malignancy, p. 97
- CL 2 Endocrine-Related Cancers, p. 98
- EP 1 Genes and Biomarkers in Tobacco-related Cancer, p. 99
- EP 2 Hormones, Infectious Agents, and Medical Risk Factors, p. 100
- ET 1 Antimicrotubule Agents, p. 101
- ET 2 Cytotoxics and DNA Damage and Repair, p. 102
- ET 3 DNA Interactive Agents, p. 103
- ET 4 Preclinical Radiotherapeutics, p. 104
- ET 5 The Role of Transporters in Drug Resistance, p. 105
- IM 1 Natural Killer Cells and Antibody-based Immune Function, p. 106
- PR 1 Behavioral and Social Science Research in Cancer Prevention and Detection, p. 107
- PR 2 Model Systems and Biomarkers 1, p. 108

**8:00 AM-8:05 AM Welcome and Opening Remarks**

Margaret Foti and Peter A. Jones, Hall D, Washington Convention Center, p. 109

**8:05 AM-8:20 AM Presentation of Lifetime Achievement Award**

Bernard Fisher, Hall D, Washington Convention Center, p. 110

**8:20 AM-8:30 AM Presentation of AACR Public Service Awards**

Peter A. Jones, Chairperson, Hall D, Washington Convention Center, p. 110

**8:30 AM-11:30 AM Plenary Session**

Looking into the Future of Cancer Therapy, Daniel A. Haber, Chairperson, Hall D, Washington Convention Center, p. 111



**11:30 AM-12:00 NOON Report of the Director of the NCI**

Hall D, Washington Convention Center, p. 111

**12:00 NOON-1:00 PM Ninth Annual Pezcoller Foundation-AACR International Award for Cancer Research Lecture**

Tadatsugu Taniguchi, Hall D, Washington Convention Center, p. 112

**12:00 NOON-4:00 PM Professional Advancement Series**

Undergraduate Student Caucus and Poster Competition, Alfred C. Johnson, Chairperson, Grand Ballroom North, Renaissance Washington Hotel, p. 113

**1:00 PM-2:30 PM Forum**

Is There a Histone Code?, Gordon L. Hager, Moderator, Ballroom A, Washington Convention Center, p. 114

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**1:00 PM-2:30 PM Special Session**

Ballroom C, Washington Convention Center

Accelerating Cancer Therapeutic Development: The FDA Critical Path Initiative, Janet Woodcock, Moderator, p. 114

**1:00 PM-5:00 PM Poster Sessions**

Exhibit Hall, Washington Convention Center

- CB 9 Cell Survival Mechanisms 1, p. 115
- CB 10 Death Receptors 1, p. 116
- CB 11 Death Receptors 2 / Inhibitors of Apoptosis, p. 117
- CB 12 DNA Repair: Double-Stranded, Single-Stranded, Base Excision, and Nucleotide Excision, p. 118
- CB 13 Expression Profiling in Tumors and Model Systems, p. 119
- CB 14 Gene Expression Profiling, p. 120
- CB 15 Mechanisms of Transcription, p. 121
- CB 16 Molecular Markers in Diagnosis and Prognosis of Neoplastic Disease, p. 122
- CB 17 Signaling in Hormonally Regulated Tumors, p. 123
- TB 5 Angiogenesis Inhibitors 2, p. 124
- TB 6 *In Vivo* Imaging 1, p. 125
- TB 7 Stem Cells in Cancer 2, p. 126
- TB 8 Tumor Angiogenesis and the Microenvironment 1, p. 127
- CG 3 DNA Repair and Genomic Instability, p. 128
- CH 1 Drug Delivery, Targeting, and Radiotherapeutics, p. 129
- CH 2 Drug Discovery 1: Screening, Synthesis, and Structure-Activity Relationships, p. 130
- CL 3 Clinical Research 2: Hematologic Malignancy/ Melanoma / Sarcoma, p. 131
- CL 4 Preclinical Modeling of Emerging Immunotherapy Approaches, p. 132
- EP 3 Determinants of Survivorship, p. 133
- ET 6 Growth Factors, p. 134
- ET 7 Identification of Drug Resistance Mechanisms, p. 135
- ET 8 Molecular Markers for Selection and Monitoring Therapy, p. 136
- ET 9 Predicting Toxicity / Cellular Pharmacology, p. 137
- ET 10 Targeted Therapeutics, p. 138
- ET 11 Therapeutic Agents Targeting Signaling Components, p. 139
- IM 2 Tumor Vaccines, p. 140
- PR 3 Model Systems and Biomarkers 2, p. 141

1:15 PM-3:15 PM

## New Concepts in Organ Site Research

**Melanoma**, Jeffrey S. Weber, Chairperson, Room 202, Washington Convention Center, p. 142

1:30 PM-3:00 PM

## Town Meeting

**Associate Member Town Meeting: A Forum for Early-Career Scientists**, Room 103, Washington Convention Center, p. 142

2:00 PM-5:30 PM

## Minisymposia

- CB 18 Cell Death, Survival, and Senescence**, Lawrence A. Donehower and Karl L. Rudolph, Co-Chairpersons, Room 152, Washington Convention Center, p. 143
- CB 19 Oncogenic Mutations and Signaling Activation**, Antonio Giordano and Sheila Thomas, Co-Chairpersons, Room 150, Washington Convention Center, p. 143
- TB 9 Inflammation and Cancer**, Lisa M. Coussens and Frances R. Balkwill, Co-Chairpersons, Room 204, Washington Convention Center, p. 144
- CG 4 Signaling and Carcinogenesis**, Emmett Schmidt and Sandra E. Dunn, Co-Chairpersons, Room 144, Washington Convention Center, p. 144
- CH 3 Proteomic Analysis of Signaling Networks**, John D. Haley and Patricia S. Steeg, Co-Chairpersons, Room 147, Washington Convention Center, p. 145
- ET 12 Signal Transduction Inhibitors**, Gordon B. Mills and Charles L. Sawyers, Co-Chairpersons, Room 151, Washington Convention Center, p. 145
- IM 3 Tumor Antigens and Immune Mechanisms**, Julie Y. Djeu and Elizabeth M. Jaffee, Co-Chairpersons, Room 143, Washington Convention Center, p. 146

3:15 PM-5:15 PM

## New Concepts in Organ Site Research

**Ovarian Cancer: Models, Prognostic Factors, Targets and Immunological Approaches: From Laboratory Discovery to Clinical Trial Design**, Sandra Orsulic and Elizabeth A. Eisenhauer, Co-Chairpersons, Room 202, Washington Convention Center, p. 147

3:15 PM-5:15 PM

## Symposia

- Cancer Prevention in the Developing World**, Peter Boyle, Chairperson, Room 207, Washington Convention Center, p. 148
- Global Transcriptional Regulation**, Robert N. Eisenman, Chairperson, Ballroom B, Washington Convention Center, p. 148
- Interventions to Address Cancer Disparities**, Beverly D. Lyn-Cook and Jessie A. Satia, Co-Chairperson, Room 102, Washington Convention Center, p. 149
- Modeling the Multifaceted Nature of Cancer in the Mouse**, Guillermina Lozano, Chairperson, Room 146, Washington Convention Center, p. 149
- Non-Coding RNAs in Cancer**, Phillip A. Sharp, Chairperson, Hall D, Washington Convention Center, p. 150
- Prenatal Exposure and Childhood Cancer**, Frederica P. Perera, Chairperson, Room 145, Washington Convention Center, p. 150
- Role of Ubiquitination in Tumorigenesis**, Charles J. Sherr, Chairperson, Ballroom C, Washington Convention Center, p. 151
- The Genetics of Populations: From Haplotype Maps to Cancer Epidemiology**, David Altshuler, Chairperson, Ballroom A, Washington Convention Center, p. 151

5:30 PM-6:30 PM

## 2006 AACR-Irving Weinstein Foundation Distinguished Lecture

Phillip A. Sharp, Hall D, Washington Convention Center, p. 152

6:45 PM-8:30 PM

## Town Meeting

**Molecular Epidemiology Working Group Town Meeting and Reception**, Constitution Hall A, Grand Hyatt Washington Hotel, p. 153

6:45 PM-8:30 PM

## Professional Advancement Series

- Emerging Careers in Cancer Research**, Congressional Hall A-B, Renaissance Washington Hotel, p. 154
- Finding and Negotiating a Start-Up Package for Clinician-Scientists**, Constitution Hall C-E, Grand Hyatt Washington Hotel, p. 154

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 PR = Prevention Research; TB = Tumor Biology.



7:00 AM-8:00 AM Meet-the-Expert Sunrise Sessions

**Bone Marrow and Tumor Microenvironment in Angiogenesis and Metastasis**, Yves A. De Clerck, Room 140, Washington Convention Center, p. 155

**Drug Resistance to Antihormones**, V. Craig Jordan, Room 207, Washington Convention Center, p. 155

**E-Cadherin-Catenin Cell Adhesion System and Human Carcinogenesis**, Setsuo Hirohashi, Room 201, Washington Convention Center, p. 155

**Genetic Analysis of the Cell Cycle Using Mouse Models**, Marcos Malumbres, Room 206, Washington Convention Center, p. 155

**Hematopoietic Stem Cells and Their Niches**, Andreas Trumpp, Room 147, Washington Convention Center, p. 156

**Inflammation and the Etiology of Prostate Cancer**, William G. Nelson V, Room 143, Washington Convention Center, p. 156

**Investigating Tumor Immunology Using Autochthonous Cancer Models**, Charles G. Drake, Room 102, Washington Convention Center, p. 156

**Lymphangiogenesis and Tumor Metastasis**, Kari K. Alitalo, Room 103, Washington Convention Center, p. 156

**Mechanism-driven Biomarker Discovery**, Edison T. Liu, Room 152, Washington Convention Center, p. 156

**Normalization of Tumor Microenvironment: An Emerging Concept in Antiangiogenic Therapy**, Rakesh K. Jain, Room 151, Washington Convention Center, p. 157

**Novel Therapeutic Approaches to Myeloid Malignancies**, Stephen D. Nimer, Room 150, Washington Convention Center, p. 156

**Podosomes, Proteases, and the Metastatic Process**, Sara A. Courtneidge, Room 144, Washington Convention Center, p. 157

**RUNX3 Is a Negative Regulator of Wnt Signaling**, Yoshiaki Ito, Room 204, Washington Convention Center, p. 157

**Screening Cancer Genomes for Somatic Mutations**, Michael R. Stratton, Room 146, Washington Convention Center, p. 157

**Targeting the IGF-1 Receptor in Cancer**, Douglas Yee, Room 145, Washington Convention Center, p. 157

**Tobacco Carcinogen Biomarkers: Development and Application**, Stephen S. Hecht, Room 209, Washington Convention Center, p. 157

8:00 AM-9:00 AM Presidential Address

Peter A. Jones, Hall D, Washington Convention Center, p. 158

8:00 AM-12:00 NOON Poster Sessions

Exhibit Hall, Washington Convention Center

CB 20 Cell Cycle 1, p. 159

CB 21 Computational Biology and Bioinformatics, p. 160

CB 22 DNA Methylation and Imprinting, p. 161

CB 23 DNA Methylation and Profiling, p. 162

CB 24 Receptor Signaling, p. 163

CB 25 Signaling and Tumor Microenvironment 1, p. 164

CB 26 Transcription Factor Function, p. 165

CB 27 Transcription Factors, p. 166

TB 10 Angiogenesis Inhibitors 3, p. 167

TB 11 Animal Models of Human Cancers 2: Breast and Reproductive Tissues, p. 168

TB 12 Cell Motility and Migration, p. 169

TB 13 Expression Profiling: Cancer Initiation and Progression, p. 170

TB 14 Tumor Angiogenesis and the Microenvironment 2, p. 171

CG 5 Environmental and Endogenous Carcinogens, p. 172

CH 4 Natural Products, Structural Biology, and Modeling, p. 173

CL 5 Clinical Research 3: Solid Tumors, p. 174

CL 6 New Targets and Methodologies for Immunotherapy, p. 175

EP 4 Diet, Alcohol, Energy Balance, and Cancer Risk, p. 176

EP 5 DNA Polymorphisms, Adducts, and Repair, p. 177

ET 13 Cell Cycle Components in Therapeutics, p. 178

ET 14 Gene and Vector-based Therapy 1, p. 179

ET 15 Novel Mechanisms to Enhance Chemotherapy Efficacy, p. 180

ET 16 Novel Preclinical Combinations, p. 181

ET 17 Novel Therapeutic Targets, p. 182

ET 18 Signaling and Apoptosis, p. 183

IM 4 Tumor Antigens, p. 184

PR 4 Phytochemicals / Chemoprevention 1, p. 185

## 9:00 AM-10:45 AM Clinical Plenary Session

**Breakthroughs in Clinical Research**, José Baselga, Chairperson, Hall D, Washington Convention Center, p. 186

## 9:00 AM-2:30 PM Professional Advancement Series

**Special Program for High School Students: "The Conquest of Cancer and the Next Generation,"** Alfred C. Johnson, Chairperson, Room 201, Washington Convention Center, p. 158

## 9:30 AM-11:30 AM Minisymposium

**CL 7 Contemporary Ethical/Human Considerations in Clinical Research**, Walter Wolf and Lowell E. Schnipper, Co-Chairpersons, Room 206, Washington Convention Center, p. 187

## 9:30 AM-1:00 PM Minisymposia

**CB 28 Epigenetics, Drug Resistance, and Therapy**, Manel Esteller and Victoria M. Richon, Co-Chairpersons, Room 143, Washington Convention Center, p. 188

**CB 29 Receptor Trafficking, Processing, and Crosstalk 2**, Donald L. Durden and Jennifer R. Grandis, Co-Chairpersons, Room 151, Washington Convention Center, p. 188

**TB 15 Radiation and DNA Breakage and Repair**, Fen Xia and Brendan D. Price, Co-Chairpersons, Room 144, Washington Convention Center, p. 189

**EN 1 Endocrine Pathways to Targeted Therapy**, Angela M. Hartley Brodie and Steven P. Balk, Co-Chairpersons, Room 147, Washington Convention Center, p. 189

**EP 6 Susceptibility Genes**, Maria T. Landi and Paul J. Brennan, Co-Chairpersons, Room 152, Washington Convention Center, p. 190

**ET 19 Novel Mechanisms of Drug Resistance**, Daniel M. Sullivan and Richard B. Lock, Co-Chairpersons, Room 150, Washington Convention Center, p. 190

**PR 5 Cox-2 and Lipids**, Andrew J. Dannenberg and Steven M. Dubinett, Co-Chairpersons, Room 204, Washington Convention Center, p. 191

## 10:00 AM-12:00 NOON Forum

**Successful Interventions to Recruit Minorities to Cancer Trials**, Judith S. Kaur and Jean G. Ford, Co-Chairpersons, Room 102, Washington Convention Center, p. 192

## 10:00 AM-12:00 NOON New Concepts in Organ Site Research

**Bladder Cancer: Updates from Bench to Bedside**, Margaret Knowles and Colin P. N. Dinney, Co-Chairpersons, Room 202, Washington Convention Center, p. 193

## 10:30 AM-12:00 NOON NCI/NIH Session

**The Cancer Biomedical Information Grid (caBIG): Tools and Teams for Integrative Cancer Research**, Room 140, Washington Convention Center, p. 194

## 10:30 AM-12:30 PM Symposia

**Advances in Immunotherapy**, Glenn Dranoff, Chairperson, Room 207, Washington Convention Center, p. 195

**Cancer Stem Cells**, Michael F. Clarke, Chairperson, Ballroom C, Washington Convention Center, p. 195

**Comparative and Functional Proteomics**, Paul Tempst, Chairperson, Room 146, Washington Convention Center, p. 196

**DNA Damage Responses and Cell Cycle Checkpoints**, Michael B. Kastan, Chairperson, Ballroom B, Washington Convention Center, p. 196

**Molecular Imaging: From Mouse to Man**, Sanjiv S. Gambhir, Chairperson, Room 145, Washington Convention Center, p. 197

## 10:45 AM-12:45 PM Special Session

**New Drugs on the Horizon**, John T. Hunt and Tona M. Gilmer, Co-Chairpersons, Hall D, Washington Convention Center, p. 198

## 12:00 NOON-2:00 PM New Concepts in Organ Site Research

**Cancer of the Central Nervous System**, David N. Louis and Keith L. Black, Co-Chairpersons, Room 103, Washington Convention Center, p. 199

**G to T Transposition: From Genotype to Treatment in Colorectal Cancer**, Sanford D. Markowitz and Richard M. Goldberg, Co-Chairpersons, Room 202, Washington Convention Center, p. 199

## 12:30 PM-1:30 PM AACR Business Meeting

**Annual Business Meeting of Members**, Room 140, Washington Convention Center, p. 200

12:30 PM-2:00 PM Forums

**Combination Regimens of Targeted Agents**, Michaele C. Christian, Moderator, Ballroom B, Washington Convention Center, p. 201

**DNA-Repair-Driven Therapeutics: Are We There Yet?**, Ashok R. Venkitaraman, Moderator, Ballroom C, Washington Convention Center, p. 201

**RNA Profiling: Getting from Signatures to Diagnostics**, Powel H. Brown, Moderator, Room 146, Washington Convention Center, p. 201

12:30 PM-2:30 PM Special Session

**The Economic and Regulatory Challenges of Targeting Subsets of Cancer Patients: Can We Deliver on the Promise?**, Bruce A. Chabner and Robert G. Roberts, Jr., Co-Chairpersons, Ballroom A, Washington Convention Center, p. 202

1:00 PM-4:30 PM Minisymposia

- CB 30 **Cancer Epigenomes**, Joseph F. Costello and Susan J. Clark, Co-Chairpersons, Room 143, Washington Convention Center, p. 203
- CB 31 **Regulation of Death Signaling**, Sally Kornbluth and Andrew M. Thorburn, Co-Chairpersons, Room 204, Washington Convention Center, p. 203
- TB 16 **In Vivo Imaging 2**, Alnawaz Rehemtulla and Juri G. Gelovani, Co-Chairpersons, Room 150, Washington Convention Center, p. 204
- TB 17 **Molecular and Cellular Determinants of Metastasis**, Menashe Bar-Eli and Ann F. Chambers, Co-Chairpersons, Room 144, Washington Convention Center, p. 204
- CL 8 **Novel Agents and New Technologies**, Louise B. Grochow and Roy S. Herbst, Co-Chairpersons, Room 152, Washington Convention Center, p. 205
- ET 20 **Advances in Cancer Therapeutics**, Barbara L. Weber and Edward P. Gelmann, Co-Chairpersons, Room 147, Washington Convention Center, p. 205
- ET 21 **Molecular Therapeutics 1**, Rakesh Kumar and George C. Prendergast, Co-Chairpersons, Room 151, Washington Convention Center, p. 206

1:00 PM-5:00 PM Poster Session

Exhibit Hall, Washington Convention Center

- CB 32 **Cell Death Regulators and Chemotherapy 1**, p. 207
- CB 33 **Cell Migration, Proliferation, and Apoptosis**, p. 208
- CB 34 **Development and Drugs and Targets**, p. 209
- CB 35 **DNA Repair and Genomic Instability**, p. 210
- CB 36 **Gene Identification and Characterization 1**, p. 211
- CB 37 **Genomics 2: DNA Profiling**, p. 212
- CB 38 **Posttranscriptional Control**, p. 213
- CB 39 **Proliferative Signaling and Cell Cycle Regulation**, p. 214
- CB 40 **TGF $\beta$  and Wnt Signaling Pathways**, p. 215
- CB 41 **Transcriptional and Posttranscriptional Control**, p. 216
- TB 18 **Animal Models of Human Cancers 3: Central Nervous System and Imaging**, p. 217
- TB 19 **Epithelial-Mesenchymal Transition, Cadherin, and Wnt**, p. 218
- TB 20 **Tumor Angiogenesis and the Microenvironment 3**, p. 219
- CG 6 **Animal and Cell Models of Cancer**, p. 220
- CH 5 **Serum and Plasma Proteomics**, p. 221
- CL 9 **Early Clinical Studies of Emerging Immunotherapy Approaches**, p. 222
- CL 10 **Translational Endpoints in Single Agent and Combination Trials Using Novel Agents**, p. 223
- EN 2 **Nuclear Receptor Crosstalk and Non-genomic Signaling**, p. 224
- EP 7 **Perspectives of Susceptibility Genes in Families and Populations**, p. 225
- ET 22 **Adenovector-based Therapy**, p. 226
- ET 23 **Kinases and Oncogenesis**, p. 227
- ET 24 **Molecular Mechanisms of Tumorigenesis, Identities of Novel Targets**, p. 228
- ET 25 **Novel Approaches to Drug Delivery**, p. 229
- ET 26 **Preclinical Disposition of Metabolism of New and Old Agents**, p. 230
- ET 27 **Predicting Sensitivity and Resistance to Chemotherapy**, p. 231
- IM 5 **Dendritic Cells and Immune Regulation**, p. 232
- PR 6 **Cox-2 / Lipid Mediators / Other Agents**, p.



## 2:00 PM-4:00 PM **New Concepts in Organ Site Research**

**Pancreatic Cancer Biology: The Molecular and Cellular Program for Growth Control in the Pancreas**, Nabeel M. Bardeesy and Theodore S. Lawrence, Co-Chairpersons, Room 202, Washington Convention Center, p. 234

## 2:30 PM-4:30 PM **Symposia**

**New Horizons in the Development of Targeted Therapies for the Treatment of Cancer**, Mark X. Sliwkowski, Chairperson, Ballroom A, Washington Convention Center, p. 235

**AACR-Ruth Sager Symposium in Cancer Genetics and Epigenetics: Cellular Barriers to Oncogenic Transformation**, Jiri Bartek, Chairperson, Room 146, Washington Convention Center, p. 236

**Cancer Metastasis**, Joan Massagué, Chairperson, Ballroom C, Washington Convention Center, p. 236

**Chemistry Platforms for Drug Discovery**, Gregory L. Verdine, Chairperson and Stuart L. Schreiber, Co-Chairperson, Room 145, Washington Convention Center, p. 237

**Global siRNA Strategies for Gene Discovery**, Gregory Hannon, Chairperson, Hall D, Washington Convention Center, p. 237

**Regulation of p53 Function**, Vishva M. Dixit, Chairperson, Ballroom B, Washington Convention Center, p. 238

**Stem Cells and Organogenesis**, Margaret T. Fuller, Chairperson, Room 207, Washington Convention Center, p. 238

## 4:00 PM-6:00 PM **New Concepts in Organ Site Research**

**Prostate Cancer**, Charles L. Sawyers and Matthew R. Smith, Co-Chairpersons, Room 202, Washington Convention Center, p. 239

## 4:30 PM-5:30 PM **Fifth Annual Kirk A. Landon-AACR Prize for Basic Cancer Research Lecture**

Robert A. Weinberg, Hall D, Washington Convention Center, p. 240

## 5:00 PM-6:30 PM **Town Meeting**

**MICR Town Meeting**, Judith S. Kaur, Chairperson, Grand Ballroom South, Renaissance Washington Hotel, p. 241

## 5:30 PM-6:30 PM **Fifth Annual Dorothy P. Landon-AACR Prize for Translational Cancer Research**

Angela M. Hartley Brodie, Hall D, Washington Convention Center, p. 242

## 6:45 PM-8:15 PM **Professional Advancement Series**

**SNP Chips: Promises and Pitfalls**, Grand Ballroom North, Renaissance Washington Hotel, p. 243

## 6:45 PM-8:30 PM **Town Meeting**

**Chemistry in Cancer Research Town Meeting and Reception**, Constitution Hall A, Grand Hyatt Washington Hotel, p. 243

## 7:00 PM-9:15 PM **Professional Advancement Series**

**Navigating the Road to a Successful Career in Cancer Research**, Beverly D. Lyn-Cook and Jessie A. Satia, Chairpersons, Renaissance Ballroom, Renaissance Washington Hotel, p. 244

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 ET = Experimental and Molecular Therapeutics; IM = Immunology;  
 PR = Prevention Research; TB = Tumor Biology.

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**Are There Novel Targets for Pancreatic Cancer Therapeutics?**, James L. Abbruzzese, Room 209, Washington Convention Center, p. 246

**Canceromics and Drug Target Discovery**, Olli-P. Kallioniemi, Room 143, Washington Convention Center, p. 246

**Cellular and Molecular Engineering of T-Cell Responses To Promote Eradication of Tumors**, Philip D. Greenberg, Room 151, Washington Convention Center, p. 246

**Deregulation of Polycomb Silencing: Implications for Stem Cell Proliferation and Cancer**, Maarten van Lohuizen, Room 144, Washington Convention Center, p. 247

**Expression of the Oncogenic Potential of Sarcoma-associated Fusion Proteins: The Importance of the Cell Context**, Ivan Stamenkovic, Room 206, Washington Convention Center, p. 247

**Functional Assessment of Cancer Genome Aberrations**, Joe W. Gray, Room 146, Washington Convention Center, p. 247

**Mouse Models of Colon Cancer**, Makoto Mark Taketo, Room 201, Washington Convention Center, p. 247

**Mutant p53 Gain-of-Function in Cancer**, Moshe Oren, Room 145, Washington Convention Center, p. 247

**Radiation Response-Modifying Drugs: From *in Vitro* Studies Toward Clinical Application**, Harry Bartelink, Room 102, Washington Convention Center, p. 247

**Ras Genes, Ras Oncogenes, and Cancer**, Mariano Barbacid, Room 204, Washington Convention Center, p. 248

**The Co-Evolution of Tumor Cells and the Tumor Microenvironment**, Zena Werb, Room 207, Washington Convention Center, p. 248

**The Epigenetics of Cancer Etiology**, Andrew P. Feinberg, Room 103, Washington Convention Center, p. 248

**The Retinoblastoma Protein Tumor Suppressor Pathway**, Jacqueline A. Lees, Room 147, Washington Convention Center, p. 248

**Tyrosine Phosphatases and Their Binding Proteins in Normal Growth Control and Cancer**, Benjamin G. Neel, Room 150, Washington Convention Center, p. 248

**7:00 AM-8:00 AM NCI Session**

**The NCI's Early Detection Research Network: Bringing Biomarker Discovery to Clinical Practice**, Room 140, Washington Convention Center, p. 245

**8:00 AM-9:15 AM AACR-Minorities in Cancer Research Jane Cooke Wright Lecture**

Olufunmilayo I. Olopade, Ballroom B, Washington Convention Center, p. 249

**8:00 AM-9:30 AM Forums**

**Identifying and Targeting Cancer Stem Cells**, David T. Scadden, Moderator, Ballroom B, Washington Convention Center, p. 250

**Will the Drugs of the Future Look Like the Drugs of the Past?**, Perry D. Nisen, Moderator, Ballroom C, Washington Convention Center, p. 250

**8:00 AM-10:00 AM New Concepts in Organ Site Research**

**The Role of the Microenvironment in Breast Cancer: From Risk to Treatment and Prognosis**, Susan E. Hankinson and Larry Norton, Co-Chairpersons, Room 202, Washington Convention Center, p. 251

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- CB 44 Gene Identification and Characterization 2, p. 254
- CB 45 Mechanisms of Cell Migration and Invasion, p. 255
- CB 46 Nuclear Oncogenes and Tumor Suppressors, p. 256
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- CB 49 Translational Genomics, p. 259
- TB 21 Cell-Cell and Cell-Extracellular Matrix Adhesion, p. 260
- TB 22 Extracellular Matrix Proteins and Proteolysis in Cancer Progression, p. 261
- TB 23 *In Vivo* Imaging 3, p. 262
- TB 24 Inflammation, Inflammatory Mediators, and Cancer, p. 263
- TB 25 Molecular and Cellular Aspects of Tumor Invasion, p. 264
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- EP 8 **Genes and Biomarkers in Prostate and Bladder Cancer**, p. 270
- EP 9 **Molecular Biomarkers of Cancer**, p. 271
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Carlo M. Croce, Hall D, Washington Convention Center, p. 281

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Gerard C. Blobe, Room 204, Washington Convention Center, p. 282

## 10:00 AM-12:00 NOON New Concepts in Organ Site Research

**Novel Pathogenetic Mechanisms and Their Therapeutic Implications in B-Cell Lymphoma**, Riccardo Dalla-Favera and Sandra J. Horning, Co-Chairpersons, Room 202, Washington Convention Center, p. 283

## 10:00 AM-12:00 NOON Symposia

**Cancer Chromatin Connections**, Trevor K. Archer, Chairperson, Room 145, Washington Convention Center, p. 284

**Determinants of Cancer Disparities in Relation to Diagnosis, Treatment, and Outcome**, Joseph D. Rosenblatt and Duane T. Smoot, Co-Chairpersons, Room 102, Washington Convention Center, p. 284

**EGFR Mutations: From Altered Signaling to Drug Response**, Daniel A. Haber, Chairperson, Ballroom A, Washington Convention Center, p. 285

**Global Paradigms in Regulatory Approval**, Richard Pazdur, Chairperson, Ballroom B, Washington Convention Center, p. 285

**Molecular Targets for Cancer Prevention**, Scott M. Lippman, Chairperson, Ballroom C, Washington Convention Center, p. 286

**Targeting the PI-3 Kinase Pathway**, Ramon Parsons, Chairperson, Room 207, Washington Convention Center, p. 286

**Therapeutic Aspects of Angiogenesis**, Napoleone Ferrara, Chairperson, Hall D, Washington Convention Center, p. 287

**Tumor Cell Survival: Strategies for Selective Killing of Malignant Cells**, John C. Reed, Chairperson, Room 146, Washington Convention Center, p. 287

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CB 51 **Tumor Suppressors**, Stephen N. Jones and Todd A. Waldman, Co-Chairpersons, Room 143, Washington Convention Center, p. 288

TB 26 **Molecular and Cellular Aspects of Bone Metastasis**, Yves A. DeClerck and Toshiyuki Yoneda, Co-Chairpersons, Room 204, Washington Convention Center, p. 289

TB 27 **Stem Cells in Cancer 3**, Robert A. Weinberg and Michael F. Clarke, Co-Chairpersons, Room 151, Washington Convention Center, p. 289

CL 13 **Emerging Themes: Enhancing Immunotherapy**, Leisha A. Emens and Emmanuel T. Akporiaye, Co-Chairpersons, Room 150, Washington Convention Center, p. 290

EP 10 **Diet and Cancer Risk**, Susan M. Gapstur and Jo L. Freudenheim, Co-Chairpersons, Room 206, Washington Convention Center, p. 290

ET 33 **Gene and Vector-based Therapy 2**, David T. Curiel and Savio L. C. Woo, Co-Chairpersons, Room 152, Washington Convention Center, p. 291

ET 34 **Receptor Tyrosine Kinase Inhibitors**, Herbert I. Hurwitz and Giuseppe Giaccone, Co-Chairpersons, Room 147, Washington Convention Center, p. 291

**12:00 NOON-1:00 PM Thirtieth Annual AACR-Richard and Hinda Rosenthal Foundation Award Lecture**

William G. Kaelin, Jr., Hall D, Washington Convention Center, p. 292

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**Beyond EGFR and VEGF: New Targets and Pathway Signatures in the Development of Lung Cancer Therapy,** David P. Carbone and Thomas J. Lynch, Co-Chairpersons, Room 202, Washington Convention Center, p. 293

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**Aromatase Inhibitors in Breast Cancer Prevention: How Much Estrogen Is Acceptable?,** Nancy E. Davidson, Moderator, Ballroom A, Washington Convention Center, p. 294

**Vitamin D: Fortification, Supplements, Sunlight or ?,** John A. Baron, Moderator, Ballroom C, Washington Convention Center, p. 294

**12:45 PM-2:00 PM Town Meeting**

**Public Forum: Science Policy and Legislative Affairs,** William G. Nelson V, Chairperson, Renaissance Ballroom West A, Renaissance Washington Hotel, p. 295

**1:00 PM-2:00 PM Twenty-sixth AACR Award for Outstanding Achievement in Cancer Research Lecture**

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**The Best of the Late-Breaking Abstracts: Spanning the Spectrum of Basic Science to the Clinic,** Ballroom B, Washington Convention Center, p. 297

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**1:00 PM-5:00 PM Poster Sessions**

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- CB 53 Cell Survival Mechanisms 2: Bcl Family and Autophagy, p. 299
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- CB 57 Molecular Cytogenetic Studies: FISH and Array CGH, p. 303
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- ET 36 Molecular Therapeutics 2, p. 320
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- ET 38 Novel Antitumor Agents 3, p. 322
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## 2:00 PM-4:00 PM **New Concepts in Organ Site Research**

**Innovation in Head and Neck Cancer Diagnosis and Therapy**, Jennifer R. Grandis and Ezra E. W. Cohen, Co-Chairpersons, Room 202, Washington Convention Center, p. 326

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**CB 61 Signaling and Tumor Microenvironment 2**, Anat Erdreich-Epstein and Judith A. Varner, Co-Chairpersons, Room 150, Washington Convention Center, p. 327

**CB 62 Signaling Downstream of Cell Surface Receptors**, Jeffrey A. Toretzky and Jack L. Arbiser, Co-Chairpersons, Room 143, Washington Convention Center, p. 327

**TB 33 Genetically Engineered Animal Models for Human Cancers**, Cory Abate-Shen and Lewis A. Chodosh, Co-Chairpersons, Room 152, Washington Convention Center, p. 328

**ET 40 Cytoplasmic Signaling Inhibitors**, Manuel Hidalgo and Janet E. Dancey, Co-Chairpersons, Room 151, Washington Convention Center, p. 328

**ET 41 Emerging Themes: Enhancing Molecular Therapy**, James A. Zwiebel and Natasha B. Leighl, Co-Chairpersons, Room 144, Washington Convention Center, p. 329

**IM 8 Dendritic Cells and Inhibitory Pathways in Cancer**, Eduardo M. Sotomayor and Jonathan D. Powell, Co-Chairpersons, Room 204, Washington Convention Center, p. 329

**PR 10 Tea Catechins**, Chung S. Yang and I. Bernard Weinstein, Co-Chairpersons, Room 206, Washington Convention Center, p. 330

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**In the Forefront of Advances in Cancer Research: Late-Breaking Discoveries**, Peter A. Jones and Daniel A. Haber, Co-Chairpersons, Ballroom C, Washington Convention Center, p. 331

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**Cancer Epigenetics: Therapeutic Implications**, Jean-Pierre Issa, Chairperson, Ballroom B, Washington Convention Center, p. 332

**Drug Targets in the MAPK Pathway**, Frank McCormick, Chairperson, Room 147, Washington Convention Center, p. 332

**Inflammation and Cancer**, Drew M. Pardoll, Chairperson, Room 145, Washington Convention Center, p. 333

**Modeling Abnormal Proliferation in Model Organisms**, Leonard I. Zon, Chairperson, Room 207, Washington Convention Center, p. 333

**Pharmacogenomic Approaches to Cancer Therapy**, Nicholas C. Dracopoli, Chairperson, Hall D, Washington Convention Center, p. 334

**S Phase in Cancer Cells**, Anindya Dutta, Chairperson, Ballroom A, Washington Convention Center, p. 334

**Tumor Microenvironment**, Thea D. Tlsty, Chairperson, Room 146, Washington Convention Center, p. 335

## 3:30 PM-5:30 PM **NCI/NIH Session**

**Tips on NIH Grant Processes and Opportunities for Cancer Research Funding at NIGMS, NIDCR, NIDDK, NHLBI, FIC and Other NIH Institutes**, Room 140, Washington Convention Center, p. 336

## 4:00 PM-6:00 PM **New Concepts in Organ Site Research**

**Multiple Myeloma**, Kenneth C. Anderson and G. David Roodman, Co-Chairpersons, Room 202, Washington Convention Center, p. 337

## 5:30 PM-6:30 PM **Fifteenth AACR-American Cancer Society Award Lecture on Cancer Epidemiology and Prevention**

Nicholas Edward Day, Hall D, Washington Convention Center, p. 338

## 6:30 PM-9:00 PM **Professional Advancement Series**

**WICR Leila Diamond Memorial Annual Networking Reception and Caucus**, Adriana Albin and Patricia S. Steeg, Chairpersons, Grand Ballroom South, Renaissance Washington Hotel, p. 339

## 6:45 PM-8:30 PM **Professional Advancement Series**

**Careers in Molecular Epidemiology**, Thomas A. Sellers, Chairperson, Congressional Hall A-B, Renaissance Washington Hotel, p. 340

**How to Get Your Papers Published in the Best Scientific Journals: The Insiders' View from the AACR Editors**, Renaissance Ballroom, Renaissance Washington Hotel, p. 340



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**Challenges in Contemporary Therapeutics Development**, Michaele C. Christian, Room 150, Washington Convention Center, p. 341

**Design and Synthesis of Chemopreventive and Therapeutic Agents Using Non-Steroidal Antiinflammatory Drugs as Scaffolds**, Lawrence J. Marnett, Room 201, Washington Convention Center, p. 342

**Glutathione S-Transferase P1 in the Biology and Therapy of Cancer: Advances and Novel Insights**, Francis Ali-Osman, Room 102, Washington Convention Center, p. 342

**How Do BRCA1 and 2 Suppress the Development of Breast and Ovarian Cancer?**, David M. Livingston, Room 146, Washington Convention Center, p. 342

**Is Prostate Cancer Etiologically Two Diseases?**, Walter C. Willett, Chairperson, Room 152, Washington Convention Center, p. 342

**Regulation of the p53 Family Network**, Carol L. Prives, Room 144, Washington Convention Center, p. 342

**Role of Telomeres and Telomerase in Cancer and Aging**, Maria Blasco, Room 103, Washington Convention Center, p. 343

**The Deeper Correlations in Systems Biology: Single Cell Measures of Kinase Signaling for Mechanistic and Clinical Analysis**, Garry P. Nolan, Room 145, Washington Convention Center, p. 343

**The MET Oncogene: Control of Invasive Growth in Cancer and Stem Cells**, Paolo M. Comoglio, Room 147, Washington Convention Center, p. 343

**Use of Genome-Scale RNA Interference Libraries to Investigate Oncogenic Signaling Pathways**, Julian Downward, Room 207, Washington Convention Center, p. 343

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## 8:00 AM-9:00 AM

### Eleventh Annual AACR-Joseph H. Burchenal Clinical Research Award Lecture

Merrill J. Egorin, Ballroom A-B, Washington Convention Center, p. 344

## 8:00 AM-10:00 AM

### New Concepts in Organ Site Research

**Recent Advances in Pediatric Cancer Research: From Pathogenesis to Therapeutics**, Nazneen Rahman and Robert C. Seeger, Co-Chairpersons, Room 202, Washington Convention Center, p. 345

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CB 64 Cell Death Regulators and Chemotherapy 3, p. 347

CB 65 Cell Death Regulators and Chemotherapy 4, p. 348

CB 66 Cell Senescence Mechanisms, p. 349

CB 67 Expression and Molecular Classification of Cancer, p. 350

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TB 36 Markers of Metastasis, p. 355

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CL 18 Prostate Cancer, p. 360

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- EN 4 **Hormone Signaling in Prostate and Other Cancers**, p. 362
- EP 13 **Cancer in Children: Cancer Trends, Ethnicity, Epidemiology, and Screening**, p. 363
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- IM 9 **Immunotherapy of Cancer**, p. 370
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**Redesigning Preclinical Models**, Malcolm A. Smith, Moderator, Room 146, Washington Convention Center, p. 372

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- CB 70 **Gene Regulation and Transcription Factors: Gene and RNA Networks**, Javed Khan and Carlo M. Croce, Co-Chairpersons, Room 152, Washington Convention Center, p. 373
- CB 71 **Mechanisms of Cell Growth Control and DNA Repair**, Richard W. Kriwacki and Peter M. Glazer, Co-Chairpersons, Room 144, Washington Convention Center, p. 373
- TB 38 **Molecular and Cellular Pathways in Pediatric Cancers**, Robert J. Arceci and Garrett M. Brodeur, Co-Chairpersons, Room 201, Washington Convention Center, p. 374
- CG 10 **Genomic Instability**, Karl Münger and Stefan M. Duensing, Co-Chairpersons, Room 150, Washington Convention Center, p. 374
- CL 20 **Phase II and III Adult Clinical Trials 2**, Edith A. Perez and Lyndsay N. Harris, Co-Chairpersons, Room 143, Washington Convention Center, p. 375

- EP 15 **Biomarkers of DNA Damage and Repair, Exposure, and Phenotype**, Margaret R. Spitz and David C. Christiani, Co-Chairpersons, Room 209, Washington Convention Center, p. 375
- ET 47 **Nuclear Interacting Agents**, Sharyn D. Baker and Joseph P. Eder, Co-Chairpersons, Room 204, Washington Convention Center, p. 375

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Julian Adams, Ballroom A-B, Washington Convention Center, p. 377

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**Technology Transfer: Financial and Career Opportunities for Researchers**, Room 140, Washington Convention Center, p. 378

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**Developing Strategies to Study the Cancer Genome**, Brian J. Druker, Chairperson, Ballroom A-B, Washington Convention Center, p. 378

## 10:00 AM-12:00 NOON Symposia

**Ageing and Cancer**, Leonard P. Guarente, Chairperson, Room 146, Washington Convention Center, p. 379

**Chemical Biology and Cancer**, Laura L. Kiessling, Chairperson, Room 147, Washington Convention Center, p. 379

**Integrin Signaling and Cancer**, Filippo G. Giancotti, Chairperson, Room 207, Washington Convention Center, p. 380

**Notch, Hedgehog, and Wnt Signaling Pathways in Cancer**, Hans Clevers, Chairperson, Ballroom C, Washington Convention Center, p. 380

**Targeting the Autophagy Pathway in Cancer Therapeutics**, John L. Cleveland, Chairperson, Room 145, Washington Convention Center, p. 381

**Testing the Cruciferous Vegetable-Cancer Relationship: From Basic Science to Observational Studies and Back**, Christine B. Ambrosone and Johanna Wyss Lampe, Co-Chairpersons, Room 151, Washington Convention Center, p. 381

**CH 9 Drug Discovery 2**, Susan M. Ludeman and Robert D. Hubbard, Co-Chairpersons, Room 144, Washington Convention Center, p. 384

**CL 21 Prognostic and Predictive Factors**, Ralph G. Zinner, Chairperson, Room 143, Washington Convention Center, p. 385

**ET 48 Oxygenation, In Vivo Measurement, and Radiation**, C. Norman Coleman and Jerry M. Collins, Co-Chairpersons, Room 209, Washington Convention Center, p. 385

**PR 12 Prevention: Translational Studies**, Powel H. Brown and Dean E. Brenner, Co-Chairpersons, Room 201, Washington Convention Center, p. 386

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**Myeloid Acute and Chronic Hemopathies: From the Cellular and Molecular Mechanisms to Therapy**, William Vainchenker and R. Keith Humphries, Co-Chairpersons, Room 202, Washington Convention Center, p. 382

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**CB 72 Molecular Genetics: Markers and Genes**, Charis Eng and George L. Mutter, Co-Chairpersons, Room 150, Washington Convention Center, p. 383

**CB 73 Translational Genomics**, Heather E. Cunliffe and Olli-P. Kallioniemi, Co-Chairpersons, Room 204, Washington Convention Center, p. 383

**TB 39 Tumor Angiogenesis and Antiangiogenic Therapeutics**, Laura E. Benjamin and Robert S. Kerbel, Co-Chairpersons, Room 152, Washington Convention Center, p. 384

**1:00 PM-3:00 PM Symposia**

**HER2: Herceptin and Beyond**, Yosef Yarden, Chairperson, Ballroom A-B, Washington Convention Center, p. 387

**Immunobiology of Oncogenic Viruses**, Douglas R. Lowy, Chairperson, Room 145, Washington Convention Center, p. 387

**Nanotechnology for Cancer Detection and Treatment**, Omid C. Farokhzad, Chairperson, Ballroom C, Washington Convention Center, p. 388

**Systems Biology of Cancer: From Mathematical Models to Biology**, Joe W. Gray and Vito Quaranta, Co-Chairpersons, Room 207, Washington Convention Center, p. 388

**Telomeres: From Structure to Biology**, Steven E. Artandi, Chairperson, Room 146, Washington Convention Center, p. 389

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