Saturday, April 17

8:00 a.m.-10:00 a.m. **Educational Sessions**

Animal Models for Chemoprevention, Stephen S. Hecht, Chairperson, Room 103, Washington Convention Center, p. 69

Causes of Human Cancer, Vincent Cogliano, Chairperson, Room 143, Washington Convention Center, p. 69

Diversity of Stromal Fibroblasts and Their Role in Cancer, Michael C. Ostrowski, Chairperson, Room 151, Washington Convention Center, p. 70

From Chemistry to the Clinic, Part 1: The Academic/Foundation/Industry Interface, Laurence H. Hurley, Chairperson, Room 147, Washington Convention Center, p. 70

Imaging the Metastatic Process, Barbara M. Fingleton, Chairperson, Room 202, Washington Convention Center, p. 71

New Targets and Novel Drugs for microRNAs and the Epigenetics Machinery, Manel Esteller, Chairperson, Room 207, Washington Convention Center, p. 71

Nutrition, Obesity, and Cancer, Adriana Albini, Chairperson, Room 201, Washington Convention Center, p. 72

RANK Ligand (RANKL) Inhibitors for the Treatment of Skeletal Complications of Cancer, William C. Dougall, Chairperson, Room 152, Washington Convention Center, p. 72

Systems and Network Biology of Cancer, Yosef Yarden, Chairperson, Room 144, Washington Convention Center, p. 73

Tumor Immunology for the Non-Immunologist, Olivera J. Finn, Chairperson, Ballroom C, Washington Convention Center, p. 73

8:00 a.m.-10:00 a.m. **Methods Workshops**

Building and Analyzing Three-Dimensional Epithelial Cancer Models, Jayanta Debnath, Chairperson, Room 150, Washington Convention Center, p. 74

Clinical Trial Design in the Era of Personalized Medicine, Donna S. Neuberg, Chairperson, Room 145, Washington Convention Center, p. 74

Genomics and miRNAs: What’s New under the Sun, George A. Calin, Chairperson, Room 146, Washington Convention Center, p. 75

8:00 a.m.-10:00 a.m. **Professional Advancement Series Session**

Women in Cancer Research: Navigating YOUR Career Path, Alison L. Allan and Sonya D. Zabludoff, Co-Chairpersons, Renaissance Ballroom West A, Renaissance Washington Hotel, p. 76

9:00 a.m.-3:00 p.m. **Cancer and Biomedical Research Career Fair**

East Hall, Washington Convention Center, p. 76

10:00 a.m.-12:00 p.m. **Special Session**

Tumor Immunology for the Non-Immunologist, Room 149, Washington Convention Center, p. 77
Saturday, April 17

10:15 a.m.-12:15 p.m. Educational Sessions

Angiogenesis: Still Crazy after All These Years, Lee M. Ellis, Chairperson, Room 152, Washington Convention Center, p. 78

Cancer Stem Cells and Treatment Resistance, Jeremy N. Rich, Chairperson, Ballroom C, Washington Convention Center, p. 78

Cancer Susceptibility Genes and Modifiers, Mary J. Hendrix, Chairperson, Room 103, Washington Convention Center, p. 79

Cell Metabolism and Cancer, Reuben J. Shaw, Chairperson, Room 207, Washington Convention Center, p. 79

Chaperones as Therapeutic Targets: Beyond Hsp90, Linda M. Hendershot, Chairperson, Room 144, Washington Convention Center, p. 80

Current Topics in Research for Cancer Prevention, Christine B. Ambrosone, Chairperson, Room 204, Washington Convention Center, p. 80

From Chemistry to the Clinic, Part 2: Pharmacokinetics in Cancer Drug Discovery and Development, Andrew P. Krivoshik, Chairperson, Room 147, Washington Convention Center, p. 81

microRNAS and Their Binding in Cancer Risk and Development, Joanne B. Weidhaas, Chairperson, Room 202, Washington Convention Center, p. 81

Myeloid-DerivedSuppressor Cells: A Major Obstacle to Cancer Immunotherapy, Suzanne Ostrand-Rosenberg, Chairperson, Room 145, Washington Convention Center, p. 82

Posttranslational Modifications: A Primer, Mary-Ann Bjornsti, Chairperson, Room 201, Washington Convention Center, p. 82

Site-Specific Metastasis, Patricia S. Steeg, Chairperson, Room 146, Washington Convention Center, p. 83

10:15 a.m.-12:15 p.m. Methods Workshops

Clinical Trial Design: The Challenges of Middle Development (Phase II), Susan G. Groshen, Chairperson, Room 150, Washington Convention Center, p. 84

Imaging Methods for Preclinical Models of Cancer, James P. Basilion, Chairperson, Room 151, Washington Convention Center, p. 84

Nonmammalian Models of Cancer, Julio A. Aguirre-Ghiso and Ross L. Cagan, Co-Chairpersons, Room 143, Washington Convention Center, p. 85

12:00 p.m.-4:00 p.m. Professional Advancement Series Session

5th Annual Undergraduate Student Caucus and Poster Competition, Stewart Sell, Chairperson, Congressional Hall A-B, Renaissance Washington Hotel, p. 86

12:00 p.m.-5:00 p.m. Professional Advancement Series Session

13th Annual Grant Writing Workshop, Independence F-I, Washington Grand Hyatt Hotel, p. 87

1:00 p.m.-3:00 p.m. Educational Sessions

Cancer Microenvironment: Roles of Bone Marrow-Derived Cells, Makoto M. Taketo, Chairperson, Room 202, Washington Convention Center, p. 88

Cellular Responses to DNA Damage: Signaling, Repair, and Tolerance, Kristin A. Eckert, Chairperson, Room 144, Washington Convention Center, p. 88

DCIS: An Evolving Case Study for Personalized Medicine, Gary J. Kelloff, Chairperson, Room 204, Washington Convention Center, p. 89

Extracellular Matrix and Cancer: Composition and Architecture, Mary M. Zutter, Chairperson, Room 145, Washington Convention Center, p. 89
From Chemistry to the Clinic, Part 3: Chemical Development—Translating a Potent Agent into a Registered Product, Stephen A. Munk, Chairperson, Room 147, Washington Convention Center, p. 90

New Perspectives in Pediatric Cancer: From Preclinical Models to Targeted Therapies, Victor M. Santana, Chairperson, Room 201, Washington Convention Center, p. 90

Niches for Metastatic Cells and Stem Cells, Amato J. Giaccia, Chairperson, Room 146, Washington Convention Center, p. 91

Pharmacogenomics and Personalized Medicine, M. E. Dolan, Chairperson, Room 152, Washington Convention Center, p. 91

Transcriptional Coregulators, Chromatin, and Cancer, Rakesh Kumar, Chairperson, Room 143, Washington Convention Center, p. 92

1:00 p.m.–3:00 p.m.  Methods Workshops

Circulating Tumor Cells as Novel Tumor Biomarkers, Evi S. Lianidou, Chairperson, Ballroom C, Washington Convention Center, p. 93

Measuring the Cancer Metabolome, Joshua D. Rabinowitz, Chairperson, Room 207, Washington Convention Center, p. 93

Mouse Models of Invasion and Metastasis, Yibin Kang, Chairperson, Room 151, Washington Convention Center, p. 94

Nanotoxicology: How to Assess Nanoparticle-Induced Toxicity, C. Lang Tran, Chairperson, Room 150, Washington Convention Center, p. 94

Scientifically Significant Challenges for the Future of Translational Medicine: A View from the Trenches, Pedro R. Lowenstein, Chairperson, Room 103, Washington Convention Center, p. 95

2:00 p.m.–4:30 p.m.  Professional Advancement Series Session


3:15 p.m.–4:15 p.m.  Meet-the-Expert Sessions

Advances in Imaging Immune Responses In vivo, Michael Dustin, Room 201, Washington Convention Center, p. 97

Cell Plasticity in Metastasis, Lynne-Marie Postovit, Room 146, Washington Convention Center, p. 97

Combining Pathology and Genetics in Breast Cancer, Marc J. Van de Vijver, Room 151, Washington Convention Center, p. 97

Lymphatics and Lymphoid Chemokines in Tumor Immunity, Melody A. Swartz, Room 143, Washington Convention Center, p. 98

Mononuclear Phagocyte Response in Cancer: Analysis in Context, Mikael J. Pittet, Room 102, Washington Convention Center, p. 98

Nonsteroidal Anti-inflammatory Drugs: Chemoprevention, Cancer Therapy, and Biomarker Development, Andrew J. Dannenberg, Room 144, Washington Convention Center, p. 98

Pharmacogenetic and Epidemiological Studies in Cooperative Group Trials, Christine B. Ambrosone, Room 103, Washington Convention Center, p. 98


The Promise and Limitations of Kinase Inhibitors, Neil P. Shah, Room 207, Washington Convention Center, p. 99

Visualizing Cells and Viruses at Molecular Resolution with 3-D Electron Microscopy, Sriram Subramaniam, Room 206, Washington Convention Center, p. 99
Saturday, April 17

3:15 p.m.–5:15 p.m.  Educational Sessions

From Chemistry to the Clinic, Part 4: Applications of New Technologies to Drug Discovery, Michael J. Luzzio, Chairperson, Room 147, Washington Convention Center, p. 100

PARP Inhibitors and Synthetic Lethality, A. H. Calvert, Chairperson, Room 202, Washington Convention Center, p. 101

3:15 p.m.–5:15 p.m.  Methods Workshop

Next-Generation Sequencing: Data Analysis and Applications, Victor E. Velculescu, Chairperson, Room 145, Washington Convention Center, p. 102

4:30 p.m.–5:30 p.m.  Meet-the-Expert Sessions

Adaptive Immunotherapy of Cancer, Steven A. Rosenberg, Room 204, Washington Convention Center, p. 103

Clinical Trial Design for Basic Scientists, Emily K. Bergsland, Room 143, Washington Convention Center, p. 103

Combining Adoptive Cell Therapy and Nanoparticle Drug Delivery for Enhanced Cancer Immunotherapy: Using Antigen-Specific “Pharmacytes” to Target Nanoparticles to Tumors, Darrell J. Irvine, Room 201, Washington Convention Center, p. 103

Exploiting and Antagonizing microRNA for Therapeutic Applications, Luigi Naldini, Room 152, Washington Convention Center, p. 103

Functional Breast Cancer Genomics, Joe W. Gray, Room 146, Washington Convention Center, p. 104

How Do Cancer Cells Deal with Stress: A Systems Approach, Lawrence J. Marnett, Room 144, Washington Convention Center, p. 104

Protein-Tyrosine Phosphatases in Human Cancer, Benjamin G. Neel, Room 150, Washington Convention Center, p. 104

Reducing Attrition and Enhancing Efficiency in Cancer Drug Development, James H. Doroshow, Room 103, Washington Convention Center, p. 105

Regulation of Glutathione and Glutathione S-transferases by Transcription Factor Nrf2, John D. Hayes, Room 206, Washington Convention Center, p. 105

Targeting Myc for Cancer Therapy, Gerard I. Evan, Room 207, Washington Convention Center, p. 105

5:30 p.m.–6:30 p.m.  Lecture

Sixth Annual AACR-Irving Weinstein Foundation Distinguished Lecture, Robert Tjian, Ballroom A-B, Washington Convention Center, p. 106

5:30 p.m.–6:30 p.m.  Special Session

Love/Avon Army of Women Panel Discussion, Room 151, Washington Convention Center, p. 107

5:30 p.m.–6:45 p.m.  Lecture


5:30 p.m.–7:45 p.m.  Professional Advancement Series Session

Careers in Clinical and Translational Cancer Research, George D. Demetri, Chairperson, Grand Ballroom-North and Central, Renaissance Washington Hotel, p. 109
Sunday, April 18

7:00 a.m.–8:00 a.m.  Meet-the-Expert Sessions

Childhood and Adolescence Exposures as Determinants of Lifetime Cancer Risk, Graham A. Colditz, Room 103, Washington Convention Center, p. 117

Costimulation of Tumor Immunity, Lieping Chen, Room 143, Washington Convention Center, p. 117

Emerging Targets in Cancer: Development of Hedgehog Pathway Inhibitors, Frederic J. de Sauvage, Room 202, Washington Convention Center, p. 117

Hormones and Risk and Prevention of Breast, Endometrial, and Ovarian Cancer, Malcolm C. Pike, Room 152, Washington Convention Center, p. 117


Mechanobiology and Tumor Progression, Valerie M. Weaver, Room 150, Washington Convention Center, p. 118

New Kidney Cancer Strategies Emerging from Studies of the VHL Tumor Suppressor Protein, William G. Kaelin Jr., Room 147, Washington Convention Center, p. 118

Personalized Oncology Medicine: Towards Biologically Driven Clinical Decision Making in Oncology, David R. Parkinson, Room 151, Washington Convention Center, p. 119

RNAi: From Discovery to Use in the Clinic, Mark E. Davis, Room 207, Washington Convention Center, p. 119

Targeting Signaling Pathways and Molecular Alterations in Breast Cancer, Nancy E. Hynes, Room 144, Washington Convention Center, p. 119

8:15 a.m.–9:45 a.m.  Opening Ceremony/Award Presentations

Opening Ceremony, Exhibit Hall D, Washington Convention Center, p. 122

Seventh Annual AACR Award for Lifetime Achievement in Cancer Research, Exhibit Hall D, Washington Convention Center, p. 123

Fourth Annual AACR Team Science Award, Exhibit Hall D, Washington Convention Center, p. 125

2010 AACR Awards for Distinguished Public Service, Exhibit Hall D, Washington Convention Center, p. 126

AACR Tributes to Nobel Laureates, Elizabeth H. Blackburn and Carol W. Greider, Exhibit Hall D, Washington Convention Center, p. 128

AACR Tribute to Bayard D. Clarkson, Exhibit Hall D, Washington Convention Center, p. 130

Fourth Annual AACR Margaret Foti Award for Leadership and Extraordinary Achievements in Cancer Research, Exhibit Hall D, Washington Convention Center, p. 131

9:45 a.m.–12:30 p.m.  Opening Plenary Session

Innovations in Translational Cancer Medicine, Frank McCormick, Chairperson, Exhibit Hall D, Washington Convention Center, p. 132

7:00 a.m.–8:00 a.m.  NCI/NIH-Sponsored Session

NIH Grants: Changes in Review and Funding Opportunities, Suresh Mohla, Moderator, Room 140, Washington Convention Center, p. 120
Sunday, April 18

12:30 p.m.-2:00 p.m. NCI/NIH-Sponsored Session

NCI Funding and Training Opportunities in Cancer Research, Jonathan S. Wiest, Chairperson, Room 140, Washington Convention Center, p. 134

1:00 p.m.-3:00 p.m. New Concepts in Organ Site Research Sessions

Bridging the Gap: Moving Laboratory Discoveries into Clinical Trials, Michael A. Dyer, Chairperson, Room 151, Washington Convention Center, p. 135

From Prostate Cancer Susceptibility Gene Identification to Personalized Medicine, Johann S. de Bono and Arul M. Chinnaiyan, Co-Chairpersons, Room 143, Washington Convention Center, p. 135


Progress in Pancreatic Cancer, 2010, David A. Tuveson, Chairperson, Room 152, Washington Convention Center, p. 136

1:00 p.m.-3:00 p.m. Major Symposia

Identifying Proteomic Markers of Prognosis and Therapeutic Outcome, Daniel C. Liebler and John D. Haley, Co-Chairpersons, Room 207, Washington Convention Center, p. 137

Invasion and Metastasis, Sara A. Courtneidge, Chairperson, Ballroom C, Washington Convention Center, p. 137

Manipulating Tumor Immunity, Carl H. June, Chairperson, Room 202, Washington Convention Center, p. 138

Molecular Approaches for Cancer Prevention: Markers, Models, and Mechanisms, Cory Abate-Shen, Chairperson, Room 145, Washington Convention Center, p. 138

Noncoding RNAs, Carlo M. Croce, Chairperson, Room 146, Washington Convention Center, p. 139

1:00 p.m.-3:30 p.m. Minisymposia

CB 1 Gene Regulation and Cancer, Room 204, Washington Convention Center, p. 140

CL 1 Molecular Biology in the Clinic, Room 201, Washington Convention Center, p. 140

ET 1 Experimental Therapeutics: Novel Agents and Novel Mechanisms, Room 103, Washington Convention Center, p. 141

TB 1 Identification and Targeting of Cancer Stem Cells, Room 144, Washington Convention Center, p. 141

1:00 p.m.-3:30 p.m. Special Symposium

Future Leaders in Translational Research, Room 102, Washington Convention Center, p. 142

2:00 p.m.-3:30 p.m. NCI/NIH-Sponsored Session

The Cancer Genome Atlas – Phase II: Strategy for the Comprehensive, Systematic Mapping of 20 Cancers, Anna D. Barker, Chairperson, Room 140, Washington Convention Center, p. 143

2:00 p.m.-4:00 p.m. MICR Council Meet and Greet

Minorities in Cancer Research Council Meet and Greet, AACR Central, Exhibit Hall AB, Washington Convention Center, p. 144
2:00 p.m.–5:00 p.m.  Poster Sessions

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CB 3  Cancer Cell Metabolism 2, Poster Section 2, p. 146
CB 4  Cancer Genomics and Bioinformatics 1, Poster Section 3, p. 147
CB 5  Cell Survival Pathways and IAPs, Poster Section 4, p. 148
CB 6  DNA Methylation 1, Poster Section 5, p. 149
CB 7  DNA Methylation 2, Poster Section 6, p. 150
CB 8  Enhancement of Apoptosis by Chemotherapeutic Agents, Poster Section 7, p. 151
CB 9  Functional Identification of New Cancer Genes, Poster Section 8, p. 152
CB 10  Growth Factor Signaling 1, Poster Section 9, p. 153
CB 11  Intracellular Signaling 1, Poster Section 10, p. 154
CB 12  Oncogenomics 1: Molecular Cytogenetics, Poster Section 11, p. 155
CB 13  Therapeutics 1, Poster Section 12, p. 156
TB 2  Angiogenic Inhibitors: Resistance and Biomarkers, Poster Section 13, p. 157
TB 3  Animal Models of Hematopoietic Malignancy, Poster Section 14, p. 158
TB 4  Biomarkers, Determinants of Invasiveness, and Therapeutics That Target Invasion, Poster Section 15, p. 159
TB 5  Hypoxia, Poster Section 16, p. 160
TB 6  Model Systems in the Study of Metastasis, Poster Section 17, p. 161
TB 7  Modulators of Radiation and Photobiological Responses, Poster Section 18, p. 162
TB 8  Proteases, Extracellular Matrix Structure, and In vitro Models, Poster Section 19, p. 163
TB 9  Stroma 1, Poster Section 20, p. 164
ET 2  Biochemical Modulators, Poster Section 21, p. 165

ET 3  Gene and Vector-Based Therapy 1, Poster Section 22, p. 166
ET 4  Mechanisms of Resistance 1: Targeted Therapeutics, Poster Section 23, p. 167
ET 5  New Molecular Targets 1: Models, Imaging, and Molecular Classification, Poster Section 24, p. 168
ET 6  New Molecular Targets 2: Modulation of DNA Repair and Cell Death Pathways, Poster Section 25, p. 169
ET 7  Targeting Receptors and Cell Surface Antigens, Poster Section 26, p. 170
CH 1  Drug Design and Target Validation, Poster Section 27, p. 171
CH 2  Lead Discovery and Optimization, Poster Section 28, p. 172
CL 2  Molecular Classification of Tumors, Poster Section 30, p. 173
CL 3  Molecular Diagnostics and Therapeutic Targets 1, Poster Section 31, p. 174
CL 4  Tumor Staging and Minimal Residual Disease, Poster Section 32, p. 175
EP 1  Clinical Epidemiology and Cancer Prevention, Poster Section 33, p. 176
EP 2  Epidemiology of Cancer Survival, Toxicity, and Survivorship, Poster Section 34, p. 177
EP 3  Polymorphisms in Genes Related to Carcinogen Metabolism, Dietary Exposure, Inflammation, and Immune Response, Poster Section 35, p. 178
PR 1  Animal Models of Prevention 1, Poster Section 36, p. 179
PR 2  Behavior, Disparities, and Economics, Poster Section 37, p. 180

Category Codes for Poster Sessions and Minisymposia
CB = Cellular and Molecular Biology; CG = Carcinogenesis; CH = Cancer Chemistry; CL = Clinical Research; EN = Endocrinology; EP = Epidemiology; ET = Experimental and Molecular Therapeutics; IM = Immunology; PR = Prevention Research; TB = Tumor Biology
Sunday, April 18

2:00 p.m.–5:00 p.m.  Late-Breaking Poster Sessions

Exhibit Hall A-C, Washington Convention Center

Late-Breaking Research: Cellular and Molecular Biology 1, Poster Section 38, p. 144

Late-Breaking Research: Experimental and Molecular Therapeutics 1, Poster Section 39, p. 144

Late-Breaking Research: Clinical Research 1, Poster Section 40, p. 144

3:15 p.m.–4:45 p.m.  AACR-SU2C Special Session

Stand Up To Cancer: Maximizing Innovation Through Translational Research and Team Success, Phillip A. Sharp, Moderator, Room 206, Washington Convention Center, p. 181

3:15 p.m.–5:15 p.m.  Drug Development Track: Special Session

New Drugs on the Horizon, Matthew A. Marx and Lori S. Friedman, Co-Chairpersons, Room 207, Washington Convention Center, p. 182

3:15 p.m.–5:15 p.m.  New Concepts in Organ Site Research Session

Advances in Skin Cancers: New Treatment, New Virus, New Mouse Models, Yuan Chang, Chairperson, Room 150, Washington Convention Center, p. 183

Bladder Cancer: Prediction of Prognosis and Therapeutic Response in Patients with High-Risk Disease, Dan Theodorescu, Chairperson, Room 145, Washington Convention Center, p. 183

Medulloblastoma: Genetics and Genomics, Martine F. Roussel and William A. Weiss, Co-Chairpersons, Room 151, Washington Convention Center, p. 184

New Concepts in Lymphoid Malignancies: Molecular Determinants of Oncogenesis and Clinical Behavior, Andrew C. Rawstron and Anthony G. Letai, Co-Chairpersons, Room 152, Washington Convention Center, p. 184

Recent Advances in Ovarian Cancer Research, Shelley S. Tworoger and Christopher P. Crum, Co-Chairpersons, Room 147, Washington Convention Center, p. 185

3:15 p.m.–5:15 p.m.  Major Symposia

Differentiation in Cancer and Cell Fate Reprogramming, Carlo C. Maley, Chairperson, Ballroom C, Washington Convention Center, p. 186

Environment and Emerging Exposures, Johanna W. Lampe, Chairperson, Room 202, Washington Convention Center, p. 186

Infection, Inflammation, and Immunity: Crossroads to Cancer, Cornelia M. Ulrich and Eric A. Engels, Co-Chairpersons, Room 146, Washington Convention Center, p. 187

3:30 p.m.–4:30 p.m.  NCI/NIH-Sponsored Session

NCI caHUB: Meeting the Biospecimen Demand for Postgenomic Cancer Research, Carolyn Compton, Chairperson, Room 140, Washington Convention Center, p. 188

4:15 p.m.–5:30 p.m.  Lecture

Fifth Annual AACR–Minorities in Cancer Research Jane Cooke Wright Lectureship, Amelie G. Ramirez, Room 144, Washington Convention Center, p. 189
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Coordination of Translational Cancer Research in Europe, Room 140, Washington Convention Center, p. 190

5:30 p.m.-6:30 p.m.  Presidential Address
2010 Vision: Challenges and Opportunities for Cancer Research and Cancer Researchers, Tyler Jacks, Exhibit Hall D, Washington Convention Center, p. 191

5:30 p.m.-7:30 p.m.  CICR Town Meeting

6:00 p.m.-7:30 p.m.  CIMM Town Meeting
Cancer Immunology Working Group (CIMM) Town Meeting and Reception, Louis M. Weiner, Chairperson, Congressional Hall A, Renaissance Washington Hotel, p. 192

6:30 p.m.-8:30 p.m.  Professional Advancement Series Session
Landing a Job in Industry: Decoding the Black Box of Application Systems, Constitution C-E, Washington Grand Hyatt Hotel, p. 193

9:00 p.m.-12:00 a.m.  Annual Reception
Independence Ballroom, Washington Grand Hyatt Hotel, p. 193
Monday, April 19

7:00 a.m.-8:00 a.m.  Meet-the-Expert Sessions

DCIS: Prediction of Future Disease, Peggy L. Porter, Room 207, Washington Convention Center, p. 197

DNA Methylation Changes as Biomarkers for Screening and Early Detection of Cancer, James G. Herman, Room 151, Washington Convention Center, p. 197

Genetically Engineered Mouse Models for Preclinical Research, Cory Abate-Shen, Room 152, Washington Convention Center, p. 197

Genomic Strategies for Achieving Personalized Cancer Treatment, Joseph R. Nevins, Room 145, Washington Convention Center, p. 197

Opportunities and Challenges Using Natural Products in Oncology Drug Discovery: Triptolide and Phenanthropiperidines, Gunda I. Georg, Room 201, Washington Convention Center, p. 198

Pathway Analysis in Cancer Genomics, Chris Sander, Room 144, Washington Convention Center, p. 198

Regulating p53 Expression through Mdm2 and Mdmx, Carol L. Prives, Room 146, Washington Convention Center, p. 198

RNAi: New Promise in Cancer Therapy, Anastasia Khvorova, Room 143, Washington Convention Center, p. 198

Spending Some Real Time with Caspase-2: A Putative Tumor Suppressor, Douglas R. Green, Room 202, Washington Convention Center, p. 199

Stat3: A Central Signaling Node for Tumor Immune Evasion, Drew M. Pardoll, Room 150, Washington Convention Center, p. 199

Tumor Microenvironment in Cancer Progression and Metastasis, Raghuram Kalluri, Room 147, Washington Convention Center, p. 199

8:00 a.m.-10:00 a.m.  Plenary Session

The Cancer Genome, Arul M. Chinnaiyan, Chairperson, Exhibit Hall D, Washington Convention Center, p. 200

8:15 a.m.-10:15 a.m.  Professional Advancement Series Session


9:00 a.m.-12:00 p.m.  Poster Sessions

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CB 14 Adhesion, Cytoskeleton, and Motility, Poster Section 1, p. 203

CB 15 Bcl-2 Family Proteins and Effectors of Cell Death and Autophagy, Poster Section 2, p. 204

CB 16 Cancer Signaling 1, Poster Section 3, p. 205

CB 17 Cell Cycle 1, Poster Section 4, p. 206

CB 18 Established Tumor Suppressor Genes 1 (including RB1 and p53), Poster Section 5, p. 207

CB 19 Established Tumor Suppressor Genes 2 (including PTEN, LKB, NF2, and WT1), Poster Section 6, p. 208

CB 20 Innovative Technologies 1, Poster Section 7, p. 209

CB 21 Molecular Markers, Poster Section 8, p. 210

CB 22 Regulators of Apoptosis, Poster Section 9, p. 211

CB 23 Signal Transduction and Gene Expression, Poster Section 10, p. 212

Category Codes for Poster Sessions and Minisymposia

CB = Cellular and Molecular Biology; CG = Carcinogenesis; CH = Cancer Chemistry; CL = Clinical Research; EN = Endocrinology; EP = Epidemiology; ET = Experimental and Molecular Therapeutics; IM = Immunology; PR = Prevention Research; TB = Tumor Biology
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CB 24 The Canonical Pathways of Cell Death and Autophagy, Poster Section 11, p. 213
TB 10 Biology of Angiogenesis and the Tumor Microenvironment, Poster Section 12, p. 214
TB 11 DNA Damage Response, Signaling, and Gene Expression, Poster Section 13, p. 215
TB 12 Inflammation and the Immune System, Poster Section 14, p. 216
TB 13 Novel/New Antiangiogenic Therapeutic Approaches, Poster Section 15, p. 217
TB 14 Radiation Protectors and Sensitizers, Poster Section 16, p. 218
TB 15 Stroma 2, Poster Section 17, p. 219
TB 16 Translational Metastasis Research, Poster Section 18, p. 220
CG 1 Molecular Analysis of Carcinogenesis, Poster Section 20, p. 221
ET 8 Gene and Vector-Based Therapy 2, Poster Section 21, p. 222
ET 9 Mechanisms of Resistance 2: Drug Transporters and Agents with Unique Mechanisms of Action, Poster Section 22, p. 223
ET 10 Metastasis and Tumor-Host Interactions, Poster Section 23, p. 224
ET 11 New Molecular Targets 3: Identification of Molecular Targets I, Poster Section 24, p. 225
ET 12 New Molecular Targets 4: Identification of Molecular Targets II, Poster Section 25, p. 226
ET 13 Novel Mechanisms of Drug Action and Signaling Pathways, Poster Section 26, p. 227
ET 14 Pharmacogenomics and Personalized Medicine 1, Poster Section 27, p. 228
CH 3 Mechanisms of Carcinogenesis, Poster Section 28, p. 229
EN 1 Receptor Signaling in Endocrine-Related Cancers, Poster Section 29, p. 230
CL 5 Biomarkers of Metastasis, Poster Section 30, p. 231
CL 6 Molecular Diagnostics and Therapeutic Targets 2, Poster Section 31, p. 232
CL 7 Targeting Signal Transduction Pathways, Poster Section 32, p. 233
EP 4 Cancer Statistics and Risk Factors, Poster Section 33, p. 234
EP 5 Hereditary Cancer and Polymorphisms in DNA Repair, Poster Section 34, p. 235
PR 3 Preclinical Studies in Prevention: Natural Products and Dietary Factors, Poster Section 35, p. 236
IM 1 Immunobiology of the Tumor Microenvironment, Poster Section 36, p. 237
IM 2 T-Cell Adoptive Transfer, Poster Section 37, p. 238

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Late-Breaking Research: Carcinogenesis, Poster Section 39, p. 202
Late-Breaking Research: Cancer Chemistry, Poster Section 40, p. 202

9:00 a.m.-2:30 p.m. Professional Advancement Series Session

9:30 a.m.-11:00 a.m. Professional Advancement Series Session
Minorities in Cancer Research Forum
How to Mentor and Be Mentored: Challenges and Opportunities for Minority Scientists, Timothy R. Rebeck, Chairperson, Room 102, Washington Convention Center, p. 239
Monday, April 19

10:15 a.m.-11:45 a.m.  NCI/NIH-Sponsored Session

Cancer Biomedical Informatics Grid® (caBIG®) Resources to Support Life Sciences and Translational Research, Mervi A. Heiskanen, Chairperson, Room 140, Washington Convention Center, p. 240

10:30 a.m.-12:30 p.m.  New Concepts in Organ Site Research Sessions

Developing a Rational Approach to Luminal B Breast Cancer, Monica Morrow, Chairperson, Room 145, Washington Convention Center, p. 241

Mechanistic Approach to Targeted Therapy for Advanced Kidney Cancer, Robert J. Motzer, Chairperson, Room 152, Washington Convention Center, p. 241

Molecularly Targeted Strategies for Melanoma, Keith T. Flaherty and Marcus W. Bosenberg, Co-Chairpersons, Room 150, Washington Convention Center, p. 242

Novel Approaches to Small Cell Lung Cancer, Charles M. Rudin, Chairperson, Room 151, Washington Convention Center, p. 242

10:30 a.m.-12:30 p.m.  Professional Advancement Series Session

Physician-Scientist Pathway: Navigating the Murky Waters between Clinical Medicine and Research Discovery, Salon B, East Hall, Washington Convention Center, p. 243

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Aging and Cancer, Judith Campisi, Chairperson, Room 147, Washington Convention Center, p. 244

Cancer Nanotechnology: Path to the Clinic, Chad A. Mirkin and Piotr Grodzinski, Co-Chairpersons, Room 146, Washington Convention Center, p. 244

Chemical Biology Approaches in Cancer, Gregory L. Verdine, Chairperson, Room 202, Washington Convention Center, p. 245

The Bayard D. Clarkson Symposia on Stem Cells and Cancer

The Role of Tissue Stem Cells in Cancer Initiation, Hans Clevers, Chairperson, Ballroom C, Washington Convention Center, p. 245

Tumor Immune Suppression and Escape, Mark J. Smyth, Chairperson, Room 207, Washington Convention Center, p. 246

10:30 a.m.-1:00 p.m.  Minisymposia

CB 25  microRNA-Mediated Regulation of Cancer Biology, Room 144, Washington Convention Center, p. 247

CG 2  DNA Damage Responses and Repair, Room 103, Washington Convention Center, p. 247

ET 15  Determinants of Sensitivity to Small Molecule Therapeutics, Room 201, Washington Convention Center, p. 248

TB 17  Animal Models of Human Tumor Biology, Room 143, Washington Convention Center, p. 248

11:15 a.m.-12:15 p.m.  NCI Director Session

Address by the Director of the National Cancer Institute, John E. Niederhuber, Room 206, Washington Convention Center, p. 249

12:00 p.m.-1:30 p.m.  NCI/NIH-Sponsored Session

New NCI SBIR Bridge Funding Program: Catalyzing Small Business and Investor Partnerships to Develop Cancer Innovations, Michael Weingarten, Chairperson, Room 140, Washington Convention Center, p. 251

12:30 p.m.-1:45 p.m.  AACR Annual Business Meeting

AACR Annual Business Meeting of Members, Room 102, Washington Convention Center, p. 252

Category Codes for Poster Sessions and Minisymposia

CB = Cellular and Molecular Biology; CG = Carcinogenesis; CH = Cancer Chemistry; CL = Clinical Research; EN = Endocrinology; EP = Epidemiology; ET = Experimental and Molecular Therapeutics; IM = Immunology; PR = Prevention Research; TB = Tumor Biology
Monday, April 19

1:00 p.m.-3:00 p.m.  **New Concepts in Organ Site Research Session**

**Basic and Translational Advances in Gastric Cancer,** Patrick B. Tan and Toshikazu Ushijima, Co-Chairpersons, Room 151, Washington Convention Center, p. 254

**Malignant Gliomas: Advances and Challenges in Research and Therapy,** Francis Ali-Osman and Mitchel S. Berger, Co-Chairpersons, Room 145, Washington Convention Center, p. 254

**New Insights into the Myelodysplastic Syndromes,** Kevin M. Shannon and Stephen D. Nimer, Co-Chairpersons, Room 152, Washington Convention Center, p. 255

**The Biology of Prostate Cancer,** Philip W. Kantoff, Chairperson, Room 150, Washington Convention Center, p. 255

1:00 p.m.-3:00 p.m.  **Major Symposia**

**Anaplastic Lymphoma Kinase,** Pasi A. Jänne, Chairperson, Room 147, Washington Convention Center, p. 256

**Metabolism and Cancer,** Craig B. Thompson, Chairperson, Ballroom C, Washington Convention Center, p. 256

**Systems, Pathways, and Network Approaches to Understanding Signaling, Tumorigenesis, and Response to Therapy,** Jill P. Mesirov, Chairperson, Room 207, Washington Convention Center, p. 257

**The Ruth Sager Memorial Symposia on Cancer Genetics and Epigenetics**
- **The Epigenetic Terrain of Cancer: Origins and Biological and Translational Implications,** Stephen B. Baylin and Peter A. Jones, Co-Chairpersons, Room 146, Washington Convention Center, p. 257

**Unconventional Therapeutic Targets,** Lyubomir T. Vassilev, Chairperson, Room 202, Washington Convention Center, p. 258

1:45 p.m.-3:15 p.m.  **NCI/NIH-Sponsored Session**

**Image-Guided Drug Delivery in Cancer: Challenges and Opportunities,** Keyvan Farahani, Chairperson, Room 140, Washington Convention Center, p. 259

2:00 p.m.-3:00 p.m.  **Special Session**

**A National Clinical Trials System for the 21st Century: Reinvigorating the NCI Cooperative Group Program,** John Mendelsohn, Chairperson, Salon C, East Hall, Washington Convention Center, p. 259

2:00 p.m.-5:00 p.m.  **Poster Sessions**

**Exhibit Hall A-C, Washington Convention Center**

**CB 26**  **Cancer Genomics and Bioinformatics 2**, Poster Section 1, p. 260

**CB 27**  **Cancer Systems Biology and Integrative Analysis**, Poster Section 2, p. 261

**CB 28**  **microRNA-Mediated Regulation of Cancer Biology 2**, Poster Section 3, p. 262

**CB 29**  **microRNA-Mediated Regulation of Cancer Biology 3**, Poster Section 4, p. 263

**CB 30**  **microRNAs as Tumor Suppressor Genes and Oncogenes**, Poster Section 5, p. 264

**CB 31**  **Mutation Detection**, Poster Section 6, p. 265

**CB 32**  **Oncogenomics 2: Copy Number Alterations**, Poster Section 7, p. 266

**CB 33**  **Oncogenomics 3: Expression Profiling**, Poster Section 8, p. 267

**CB 34**  **Oncogenomics 4: Functional Genomics**, Poster Section 9, p. 268

**CB 35**  **Oncogenomics 5: Sequencing**, Poster Section 10, p. 269

**TB 18**  **Biomarkers of Metastasis 1**, Poster Section 11, p. 270

**TB 19**  **Drug Targets, Angiogenesis, and Gene Networks**, Poster Section 12, p. 271

**TB 20**  **Epithelial-Mesenchymal Transition**, Poster Section 13, p. 272

**TB 21**  **Matrix: Integrins and Proteases**, Poster Section 14, p. 273

**TB 22**  **Mechanisms of Tumor Metastasis 1**, Poster Section 15, p. 274

**TB 23**  **Molecular Mechanisms of Tumor Angiogenesis**, Poster Section 16, p. 275

**IM 3**  **Cancer Vaccines 1**, Poster Section 17, p. 276

**IM 4**  **Monoclonal Antibodies 1**, Poster Section 18, p. 277

**CG 3**  **Animal Models of Carcinogenesis**, Poster Section 19, p. 278
Monday, April 19

**ET 16**  Anticancer Drugs Targeting Cell Cycle and Proliferation, Poster Section 21, p. 279

**ET 17**  Intracellular Signal Transduction, Poster Section 22, p. 280

**ET 18**  Mechanisms of Resistance 3: Chemotherapeutics, Poster Section 23, p. 281

**ET 19**  Modified Antibodies and Oncolytic Viruses, Poster Section 24, p. 282

**ET 20**  Pharmacogenomics and Personalized Medicine 2, Poster Section 25, p. 283

**ET 21**  Regulation of Protein Stability, Poster Section 26, p. 284

**CH 4**  Drug Delivery and Disposition, Poster Section 27, p. 285

**CH 5**  Structural Biology and Drug Design, Poster Section 28, p. 286

**CL 8**  Biomarkers Predictive of Response to Therapy 1, Poster Section 30, p. 287

**CL 9**  Clinical Research in Special Populations: Minorities and the Elderly, Poster Section 31, p. 288

**CL 10**  Diagnostic Biomarkers, Poster Section 32, p. 289

**CL 11**  Pharmacokinetic, Pharmacogenomic, and Clinical Results of Early Phase Trials, Poster Section 33, p. 290

**EP 6**  Circulating and Tumor Biomarkers in Relation to Cancer Risk, Poster Section 34, p. 291

**EP 7**  Dietary Risk Factors of Cancer, Poster Section 35, p. 292

**EP 8**  Polymorphisms in Genes Related to Cell Growth, Differentiation, and Hormone Metabolism, Poster Section 36, p. 293

**PR 4**  Animal Models of Prevention 2, Poster Section 37, p. 294

**PR 5**  Early Phase Cancer Prevention Studies, Poster Section 38, p. 295

**2:00 p.m.-5:00 p.m. Late-Breaking Poster Sessions**

Exhibit Hall A-C, Washington Convention Center

**Late-Breaking Research: Cellular and Molecular Biology 3**, Poster Section 39, p. 259

**Late-Breaking Research: Tumor Biology 1**, Poster Section 40, p. 259

**2:30 p.m.-4:30 p.m. Special Session**


**2:30 p.m.-5:00 p.m. Minisymposia**

**CB 36**  Mechanisms of Cell Death, Survival, and Senescence, Room 143, Washington Convention Center, p. 297

**EN 2**  Steroid Receptor Targets and Preclinical Therapies in Cancer, V. C. Jordan, Chairperson, Room 103, Washington Convention Center, p. 297

**IM 5**  Emerging Immunotherapy, Room 144, Washington Convention Center, p. 298

**PR 6**  New Markers and Models for Cancer Prevention, Room 201, Washington Convention Center, p. 298

**3:00 p.m.-3:30 p.m. NIH Director Session**

Address by the Director of the National Institutes of Health, Francis S. Collins, Ballroom AB, Washington Convention Center, p. 299

**3:30 p.m.-4:30 p.m. Lectures**

Fourth Annual AACR Princess Takamatsu Memorial Lectureship, Mary-Claire King, Room 207, Washington Convention Center, p. 300

Fiftieth Annual AACR G.H.A. Clowes Memorial Award Lecture, Tita de Lange, Ballroom C, Washington Convention Center, p. 301
Monday, April 19

3:30 p.m.–4:45 p.m.  Minisymposia: Late-Breaking Research

Clinical Trials, Room 146, Washington Convention Center, p. 302

Experimental Therapeutics, Room 145, Washington Convention Center, p. 303

Risk and Cancer Markers, Room 151, Washington Convention Center, p. 303

Signal Transduction, Room 202, Washington Convention Center, p. 304

Tumor Biology and Immunology, Room 147, Washington Convention Center, p. 304

3:30 p.m.–5:30 p.m.  DOD-Sponsored Session

DOD CDMRP-Sponsored Session: Department of Defense Funding Opportunities for Cancer Research, Carolyn J. Best, Chairperson, Room 140, Washington Convention Center, p. 305

5:00 p.m.–6:00 p.m.  Science Policy Session

Cancer Policy and Funding: How Do We Avoid Falling Off the Funding Cliff? Room 206, Washington Convention Center, p. 306

5:00 p.m.–6:00 p.m.  Lecture

Thirteenth Annual Pezcoller Foundation-AACR International Award for Cancer Research, Joseph Schlessinger, Ballroom C, Washington Convention Center, p. 307

5:00 p.m.–6:30 p.m.  Forums

Advancing Cancer Biomarkers to Cancer Diagnostics: Increasing the Pace of Progress, Anna D. Barker, Moderator, Room 202, Washington Convention Center, p. 308

Animal Models for Preclinical Evaluation of Drugs for Metastatic Disease: Are GEMs the Jewel in the Crown or an Expensive Luxury?, Suzanne A. Eccles, Moderator, Room 145, Washington Convention Center, p. 308

Antiangiogenic Therapy-Induced Malignant Progression: Preclinical Anomaly or Clinical Reality? Robert S. Kerbel, Moderator, Room 147, Washington Convention Center, p. 308

5:00 p.m.–6:30 p.m.  MICR Town Meeting

Minorities in Cancer Research Town Meeting, Eddie Reed, Chairperson, Congressional Hall A, Renaissance Washington Hotel, p. 310

5:15 p.m.–6:45 p.m.  Special Session

Cancer Immunology Working Group (CIMM) Evening Scientific Session

All Cancer Therapies Are Immunotherapy: The Impact of Clinically Approved Treatment Modalities on Host Antitumor Immunity, Hyam I. Levitsky, Chairperson, Room 144, Washington Convention Center, p. 311

5:30 p.m.–7:30 p.m.  Professional Advancement Series Session

Career Paths in Cancer Drug Development, presented by the Young Chemists Committee of the Chemistry in Cancer Research Working Group, Stephen A. Munk, Moderator, Erin G. Prestwich and Danzhou Yang, Co-Chairpersons, Bridge Rooms, Washington Grand Hyatt Hotel, p. 312

6:30 p.m.–8:15 p.m.  TME Town Meeting

Tumor Microenvironment Working Group Town Meeting and Reception, Bruce R. Zetter, Chairperson, Constitution C-E, Washington Grand Hyatt Hotel, p. 313

6:30 p.m.–8:30 p.m.  Professional Advancement Series Session

Professional Advancement Reception and Roundtable: Navigating the Road to a Successful Career in Cancer Research, Jennifer J. Hu, Chairperson, Ballroom A-B, Renaissance Washington Hotel, p. 314
Tuesday, April 20

7:00 a.m.–8:00 a.m.  Meet-the-Expert Sessions

Bidirectional Translational Research Approach to Accelerate Development of Effective Cancer Immunotherapeutics, Thomas F. Gajewski, Room 143, Washington Convention Center, p. 317

Differentiation and Functions of Mononuclear Phagocytes, Frederic Geissmann, Room 144, Washington Convention Center, p. 317

Endogenous DNA Damage: Biomarker Facts and Fallacies, Peter C. Dedon, Room 151, Washington Convention Center, p. 318

Genetic Predisposition to Breast Cancer and Their Clinical Applications, Nazneen Rahman, Room 145, Washington Convention Center, p. 318

Mass Spectrometry Approaches for Discovery and Verification of Cancer Biomarkers, Susan J. Fisher, Room 147, Washington Convention Center, p. 318

Next-Generation Preventive HPV Vaccines, Richard B. Roden, Room 152, Washington Convention Center, p. 319

Oncogene Addiction and Therapeutic Opportunities in Human Cancer, Jeffrey Settleman, Room 207, Washington Convention Center, p. 319

Pharmacogenetics of Tamoxifen Therapy, Vered Stearns, Room 150, Washington Convention Center, p. 319

Systems Biology Approach to Personalized Medicine, Gordon B. Mills, Room 146, Washington Convention Center, p. 320

The ATM-p53 Pathway: From Molecular Mechanisms To Clinical Interventions, Michael B. Kastan, Room 202, Washington Convention Center, p. 320

TNFα and Cancer, Frances R. Balkwill, Room 103, Washington Convention Center, p. 320

8:15 a.m.–10:15 a.m.  Plenary Session

The Complexity of Cancer, Joan S. Brugge, Chairperson, Exhibit Hall D, Washington Convention Center, p. 321

9:00 a.m.–12:00 p.m.  Poster Sessions

Exhibit Hall A-C, Washington Convention Center

CB 37  Gene Expression in Cancer, Poster Section 1, p. 322

CB 38  Genome Instability and DNA Damage Responses, Poster Section 2, p. 323

CB 39  microRNA Profiling in Cancer 1, Poster Section 3, p. 324

CB 40  microRNA Profiling in Cancer 2, Poster Section 4, p. 325

CB 41  Novel Tumor Suppressor Genes 1, Poster Section 5, p. 326

CB 42  Nuclear Oncogenes, Poster Section 6, p. 327

CB 43  Oncogenes: Membrane and Cytoplasm 1, Poster Section 7, p. 328

CB 44  Posttranscriptional Gene Regulation, Poster Section 8, p. 329

CB 45  Signaling in Tumors 1, Poster Section 9, p. 330

CB 46  Telomeres and the Mechanisms of Senescence and Aging, Poster Section 10, p. 331

TB 24  Animal Models of Airway and Urogenital Tumors, Poster Section 12, p. 332

TB 25  Animal Models of Breast and Ovarian Cancer, Poster Section 13, p. 333

TB 26  Biomarkers of Metastasis 2, Poster Section 14, p. 334

TB 27  Cancer Stem Cell Therapeutics 1, Poster Section 15, p. 335

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10:30 a.m.-12:30 p.m.  Major Symposia

Applications of Systems Biology Approaches to Cancer, Andrea Califano, Chairperson, Ballroom C, Washington Convention Center, p. 362

Imaging, Sanjiv Sam Gambhir, Chairperson, Room 147, Washington Convention Center, p. 363

Innovative Clinical Trials with Molecular Targeted Agents, Donald A. Berry, Chairperson, Room 146, Washington Convention Center, p. 363

MICR Scientific Symposium: The Path Towards Personalized Oncology: Connecting the Dots, John D. Carpten, Chairperson, Room 102, Washington Convention Center, p. 364

New Molecular Targets, Patricia M. LoRusso, Chairperson, Room 202, Washington Convention Center, p. 364

The Ras Pathway in Cancer, Dafna Bar-Sagi, Chairperson, Room 207, Washington Convention Center, p. 365

10:30 a.m.-1:00 p.m.  Minisymposia

CB 47  Cancer Signaling 2, Room 143, Washington Convention Center, p. 366

ET 29  Novel Combination Therapies, Room 204, Washington Convention Center, p. 366

EP 11  Inherited Variation and Cancer Susceptibility, Room 103, Washington Convention Center, p. 367

TB 32  The Tumor Microenvironment and Therapeutic Strategies, Room 144, Washington Convention Center, p. 367

11:45 a.m.-1:15 p.m.  NCI/NIH-Sponsored Session

National Cancer Institute Symposium on Glycomics for Detection of Cancer and Cancer Risk, Sudhir Srivastava, Chairperson, Room 140, Washington Convention Center, p. 368

1:00 p.m.-3:00 p.m.  New Concepts in Organ Site Research Session

Head and Neck Cancer: New Trends in Genetics, Biology, and Treatment, Jennifer R. Grandis, Chairperson, Room 201, Washington Convention Center, p. 370

Lung Cancer: Risk, Genetics, and Addiction, Caryn Lerman and Christopher I. Amos, Co-Chairpersons, Room 151, Washington Convention Center, p. 370

New Concepts in Bone Metastasis, Yves A. DeClerck and Robin L. Anderson, Co-Chairpersons, Room 150, Washington Convention Center, p. 371

1:00 p.m.-3:00 p.m.  Professional Advancement Series Session

Applying to Academic Positions: Mastering the Application Process and Getting the Interview, Room 102, Washington Convention Center, p. 372

1:00 p.m.-3:00 p.m.  Major Symposia

Combinatorial Approaches, Jeffrey A. Engelman, Chairperson, Room 146, Washington Convention Center, p. 373


Mechanisms of Tumor Angiogenesis and Therapeutic Resistance, Douglas Hanahan, Chairperson, Room 202, Washington Convention Center, p. 374

Radiation Biology, Daphne A. Haas-Kogan, Chairperson, Room 147, Washington Convention Center, p. 375

The p53 Pathway: From Start to Finish, Charles J. Sherr, Chairperson, Room 207, Washington Convention Center, p. 375

Understanding the Cancer Genome with Next-Generation DNA Sequencing, Michael R. Stratton, Chairperson, Ballroom C, Washington Convention Center, p. 376

1:00 p.m.-1:30 p.m.  Lecture

Seventh Annual AACR Gertrude B. Elion Cancer Research Award Lecture, Hang Yin, Room 143, Washington Convention Center, p. 369
1:30 p.m.–3:30 p.m. NCI/NIH-Sponsored Session

Technology Transfer: Financial and Career Opportunities for Researchers, Phuong Kim Pham and Eric Hale, Co-Chairpersons, Room 140, Washington Convention Center, p. 377

2:00 p.m.–5:00 p.m. Poster Sessions

Exhibit Hall A-C, Washington Convention Center

CB 48 Cell Cycle 2, Poster Section 1, p. 378
CB 49 Developmental Gene Expression Pathways, Poster Section 2, p. 379
CB 50 DNA Damage and Repair, Poster Section 3, p. 380
CB 51 Growth Factor Signaling 2, Poster Section 4, p. 381
CB 52 Innovative Technologies 2, Poster Section 5, p. 382
CB 53 Intracellular Signaling 2, Poster Section 6, p. 383
CB 54 microRNA Therapeutics and Diagnostics, Poster Section 7, p. 384
CB 55 Modulating Gene Expression, Poster Section 8, p. 385
CB 56 Noncoding RNAs and Epigenetic Control of microRNAs, Poster Section 9, p. 386
CB 57 Signaling in Tumors 2, Poster Section 10, p. 387
CB 58 Therapeutics 2, Poster Section 11, p. 388
TB 33 Animal Models of Gastrointestinal Tract Tumors, Poster Section 12, p. 389
TB 34 Animal Models of Solid Tumors, Poster Section 13, p. 390
TB 35 Cancer Stem Cell Biology 1, Poster Section 14, p. 391
TB 36 Cancer Stem Cell Biology 2, Poster Section 15, p. 392
TB 37 Cancer Stem Cell Therapeutics 2, Poster Section 16, p. 393
TB 38 Cancer Stem Cells: Models and Markers 2, Poster Section 17, p. 394

TB 39 New Methods to Image Tumors In vivo, Poster Section 18, p. 395
TB 40 Pediatric Brain Tumors and Leukemia, Poster Section 19, p. 396
CG 5 Chemical and Environmental Stress-Induced Carcinogenesis 2, Poster Section 20, p. 397
ET 30 Antibody Technologies, Poster Section 21, p. 398
ET 31 Mitotic Kinases and Tubulin-Binding Agents, Poster Section 22, p. 399
ET 32 Novel Mechanisms of Drug Action, Poster Section 23, p. 400
ET 33 PI3K/mTOR Pathway Inhibitors, Poster Section 24, p. 401
ET 34 Targeting Cell Signaling, Poster Section 25, p. 402
ET 35 Tumor Metabolism and Regulation of Apoptosis, Poster Section 26, p. 403
CH 8 Cellular and Molecular Imaging, Poster Section 27, p. 404
CH 9 Protein Biomarkers, Poster Section 28, p. 405
EN 4 Regulation of Estrogen Receptor-Positive and -Negative Breast Cancer, Poster Section 29, p. 406
CL 14 Biomarkers for Early Detection of Cancer, Poster Section 30, p. 407
CL 15 Biomarkers of Cancer Progression, Poster Section 31, p. 408
CL 16 Correlative and Basic Science in Cancer, Poster Section 32, p. 409
EP 12 Exposure and Tumor Biomarkers in Cancer Risk and Survival, Poster Section 33, p. 410
EP 13 Genome-wide Association Studies and Translational Genomics, Poster Section 34, p. 411
IM 8 Cancer Vaccines 2, Poster Section 35, p. 412
IM 9 Tumor Antigens and Adaptive Immunity, Poster Section 36, p. 413

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Tuesday, April 20

2:00 p.m.-5:00 p.m.  Late-Breaking Poster Sessions

Exhibit Hall A-C, Washington Convention Center

Late-Breaking Research: Cellular and Molecular Biology
4, Poster Section 37, p. 377

Late-Breaking Research: Tumor Biology 2, Poster Section 38, p. 377

Late-Breaking Research: Experimental and Molecular Therapeutics 2, Poster Section 39, p. 377

Late-Breaking Research: Immunology, Poster Section 40, p. 377

2:30 p.m.-5:00 p.m.  Minisymposia

CB 59  Epigenetic Regulation in Cancer, Room 144, Washington Convention Center, p. 414

CL 17  Taking Biomarkers into Clinical Practice, Room 204, Washington Convention Center, p. 414


TB 41  Signaling in Tumor Cell Migration and Invasion 1, Room 143, Washington Convention Center, p. 415

3:00 p.m.-4:00 p.m.  Lectures

Thirtieth Annual AACR Award for Outstanding Achievement in Cancer Research, Joshua T. Mendell, Ballroom C, Washington Convention Center, p. 416

Fourth Annual AACR Award for Outstanding Achievement in Chemistry in Cancer Research, Stuart Schreiber, Room 202, Washington Convention Center, p. 417

Nineteenth Annual AACR-American Cancer Society Award for Research Excellence in Cancer Epidemiology and Prevention, Michael J. Thun, Room 146, Washington Convention Center, p. 418

3:30 p.m.-5:30 p.m.  NCI/NIH-Sponsored Session

NIH Grant Process and Opportunities for Cancer Research Funding at NIH, Phuong Kim Pham and Patricia Winkler Carolan, Co-Chairpersons, Room 140, Washington Convention Center, p. 419

4:00 p.m.-5:00 p.m.  Lecture

Fifteenth Annual AACR Joseph H. Burchenal Memorial Award for Clinical Research, Henry T. Lynch, Ballroom C, Washington Convention Center, p. 420

4:00 p.m.-5:30 p.m.  Science Policy Session

Integrating Science and Policy to Combat the Global Tobacco Epidemic, Roy S. Herbst and Ellen R. Gritz, Moderators, Room 201, Washington Convention Center, p. 421

5:00 p.m.-6:30 p.m.  Forums

Anti-TGFβ Signaling Therapy: Balancing the Pros and Cons, Rosemary J. Akhurst, Moderator, Room 152, Washington Convention Center, p. 422

Cancer Stem Cells: Somewhere, Everywhere, or Nowhere? Emmanuelle Passegé, Moderator, Room 146, Washington Convention Center, p. 422

Cellular Senescence: Molecular Basis and Relevance for Cancer, Jiri Bartek, Moderator, Room 202, Washington Convention Center, p. 422

Integrating Immunology with Cancer Biology and Medicine, Glenn Dranoff, Moderator, Room 145, Washington Convention Center, p. 422

Oncology Drug Discovery in Academia: Key Strategies and Challenges, Michael Morrissey, Moderator, Room 151, Washington Convention Center, p. 424

The Role of Vitamin D in Cancer Prevention: What Do We Really Know? Virginia W. Hartmuller, Moderator, Room 150, Washington Convention Center, p. 424

5:00 p.m.-6:30 p.m.  Special Session


6:00 p.m.-7:30 p.m.  MEG Town Meeting

Molecular Epidemiology Working Group Town Meeting and Reception, Cornelia M. Ulrich, Chairperson, Constitution C-E, Washington Grand Hyatt Hotel, p. 426

6:00 p.m.-7:45 p.m.  Professional Advancement Series Session

Getting Your Research Published: Insider Views, Michael A. Caligiuri, Chairperson, Salon C, East Hall, Washington Convention Center, p. 425
7:00 a.m.–8:00 a.m.  Meet-the-Expert Sessions

Cell Adhesion and Signaling Pathways Regulating Brain Tumor Angiogenesis, Joseph H. McCarty, Room 206, Washington Convention Center, p. 429

Germline Genetic Variation and the Clinical Course of Disease After a Diagnosis of Cancer, Paul D. P. Pharoah, Room 150, Washington Convention Center, p. 429

Long-term Outcomes in Adult Survivors of Childhood Cancer: A Model for Cancer Survivorship Research, Leslie L. Robison, Room 102, Washington Convention Center, p. 429

New Advances in T Cell Acute Lymphoblastic Leukemia, A. Thomas Look, Room 143, Washington Convention Center, p. 429

Role of Postpartum Involution in the Promotion of Pregnancy-Associated Breast Cancer, Pepper Jo Schedin, Room 103, Washington Convention Center, p. 430

Th17 Cells in Cancer: Friends or Foes?, Weiping Zou, Room 201, Washington Convention Center, p. 430

The Nuts and Bolts of p53 Action, Laura D. Attardi, Room 144, Washington Convention Center, p. 430

8:00 a.m.–10:30 a.m.  Plenary Session

Metastasis and the Tumor Microenvironment: Mechanistic Insights and Therapeutic Opportunities, Danny R. Welch, Chairperson, Ballroom A-B, Washington Convention Center, p. 431

8:00 a.m.–11:00 a.m.  Poster Sessions

Exhibit Hall A-C, Washington Convention Center

CB 60  Autophagy, Poster Section 1, p. 432

CB 61  Chromatin Modifications, Poster Section 2, p. 433

CB 62  DNA Methylation 3, Poster Section 3, p. 434

CB 63  DNA Methylation 4, Poster Section 4, p. 435

CB 64  Innovative Technologies 3, Poster Section 5, p. 436

CB 65  Mechanisms of Gene Expression, Poster Section 6, p. 437

CB 66  Novel Tumor Suppressor Genes 2, Poster Section 7, p. 438

CB 67  Oncogenes and Tumor Suppressor Genes 1: New Therapeutic Targets and Strategies, Poster Section 8, p. 439

CB 68  Oncogenes: Membrane and Cytoplasm 2, Poster Section 9, p. 440

CB 69  Signaling Pathways That Regulate Metabolism, Poster Section 10, p. 441

TB 42  Adhesion and Cytoskeletal Signaling in Invasion, Poster Section 11, p. 442

TB 43  Cancer Stem Cell Biology 3, Poster Section 12, p. 443

TB 44  Cell-Cell Adhesion and Invasiveness, Poster Section 13, p. 444

TB 45  Growth Factor, Hormone, and Cytokine Signaling in Invasion, Poster Section 14, p. 445

TB 46  Imaging Tumor Responses to Therapy In vivo, Poster Section 15, p. 446

TB 47  Neuroblastoma and Pediatric Cancer: Preclinical Studies, Poster Section 16, p. 447

TB 48  Signaling in Tumor Cell Migration and Invasion 2, Poster Section 17, p. 448

IM 10  Immune Regulation of Antitumor Immunity, Poster Section 18, p. 449

IM 11  Monoclonal Antibodies 2, Poster Section 19, p. 450

CG 6  Viral Carcinogenesis and Hormonal Carcinogenesis, Poster Section 20, p. 451
Wednesday, April 21

ET 36  Combination Chemotherapy, Poster Section 21, p. 452

ET 37  Combination of Targeted Agents, Poster Section 22, p. 453

ET 38  Epigenetic Modulators, Poster Section 23, p.454

ET 39  New Targets, Poster Section 24, p. 455

ET 40  Novel Drug Delivery and Assay Technologies, Poster Section 25, p. 456

ET 41  Novel Drug Delivery Systems, Poster Section 26, p. 457

ET 42  Preclinical Radiotherapeutics, Poster Section 27, p. 458

CH 10  Proteomics, Metabolomics, and Profiling, Poster Section 28, p. 459

CL 18  Immune Monitoring/Clinical Correlates, and Combination Therapies, Poster Section 30, p. 460

CL 19  Immunomodulatory Agents and Interventions, Poster Section 31, p. 461

CL 20  Radiation Oncology, Biomarkers, and Outcomes, Poster Section 32, p. 462

PR 8  Mechanistic Insights into Cancer Prevention 2, Poster Section 33, p. 463

PR 9  Mechanistic Insights into Cancer Prevention 3, Poster Section 34, p. 464


EP 15  Inflammatory and Hormonal Factors in Relation to Cancer, Poster Section 36, p. 466

8:00 a.m.-11:00 a.m.  Late-Breaking Poster Sessions

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Late-Breaking Research: Cellular and Molecular Biology 5, Poster Section 37, p. 467

Late-Breaking Research: Tumor Biology 3, Poster Section 38, p. 467

Late-Breaking Research: Epidemiology, Poster Section 39, p. 467

Late-Breaking Research: Prevention, Poster Section 40, p. 467

9:30 a.m.-12:00 p.m.  Minisymposia

CB 70  Oncogenes and Tumor Suppressor Genes 2, Room 204, Washington Convention Center, p. 468

CH 11  New Preclinical and Clinical Candidates, Room 102, Washington Convention Center, p. 468

ET 43  New Molecular Targets 5, Room 201, Washington Convention Center, p. 469

TB 49  Molecular Regulation of Tumor Metastasis, Room 206, Washington Convention Center, p. 469

10:30 a.m.-11:30 a.m.  Lecture

Thirty-fourth Annual AACR Richard and Hinda Rosenthal Memorial Award, Pasi A. Jänne, Ballroom C, Washington Convention Center, p. 470

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Wednesday, April 21

11:00 a.m.-1:00 p.m.  NCI/NIH-Sponsored Session

Parlaying the K Award into Your First R01: How Did They Do It?, Sonia B. Jakowlew and Nancy C. Lohrey, Co-Chairpersons, Room 140, Washington Convention Center, p. 471

11:30 a.m.-1:30 p.m.  Major Symposia

Building Upon Genome-Wide Association Studies, Montserrat Garcia-Closas and Gloria M. Petersen, Co-Chairpersons, Room 147, Washington Convention Center, p. 472

Forty Years of Somatic Cell Genetics and Tumor Suppressor Genes: From Cells to Genes to Whole Genome Sequencing, Channing J. Der and Bernard E. Weissman, Co-Chairpersons, Room 143, Washington Convention Center, p. 473

Role of Telomeres and Telomerase in Chromosomal Stability and Disease, Maria Blasco, Chairperson, Room 202, Washington Convention Center, p. 473


The Stanley J. Korsmeyer Memorial Symposium Apoptosis and Autophagy: Cell Death and Survival Signaling in Cancer, Eileen P. White, Chairperson, Room 146, Washington Convention Center, p. 474

Translational Control of Cancer via the mTOR/eIF4E Pathway and Ribosome Biogenesis, Nahum Sonenberg, Chairperson, Room 207, Washington Convention Center, p. 475