Saturday, April 14, 2007

8:00-10:00 AM Educational Sessions

How to Design and Interpret Large-Scale Sequence Analyses of Human Cancer, Victor E. Velculescu, Chairperson, Room 408 A-B, Los Angeles Convention Center, p. 57

Manipulating the Immune System in Cancer Immunotherapy, James P. Allison, Chairperson, Petree C, Los Angeles Convention Center, p. 58

Modeling Chemoprevention in Mice: The Next Generation, Cory Abate-Shen, Chairperson, Room 515 B, Los Angeles Convention Center, p. 58

Novel Approaches to Drug Delivery in Cancer, Mark E. Davis, Chairperson, Room 304 A-C, Los Angeles Convention Center, p. 59

Oxidative Stress and Senescence, Amato J. Giaccia, Chairperson, Room 515 A, Los Angeles Convention Center, p. 59

The Polygenic Basis of Phenotypic Variation and Disease: Lessons from Humans and Model Organisms, Bruce A. J. Ponder, Chairperson, Petree D, Los Angeles Convention Center, p. 60

Therapeutic Cancer Targets in the Wnt Pathway, Hans Clevers, Chairperson, Room 403 A-B, Los Angeles Convention Center, p. 60

Validating Therapeutic Targets: In Vivo Models and Clinical Responses, Lynda Chin, Chairperson, Concourse E, Los Angeles Convention Center, p. 61

10:15 AM-12:15 PM Educational Sessions

Cancer Biomarkers: Predictors of Prognosis and Response, William S. Dalton, Chairperson, Room 502 A-B, Los Angeles Convention Center, p. 63

Controlling Epigenetic Programs: Consequences for Stem Cells and Carcinogenesis, Thea D. Tlsty, Chairperson, Petree C, Los Angeles Convention Center, p. 63

Facilitating Collaborations Between Clinicians and Basic Researchers in the Era of Integrated Translational Research, Paul Workman, Chairperson, Room 408 A-B, Los Angeles Convention Center, p. 64

Inflammation and Cancer, Lisa M. Coussens, Chairperson, Petree D, Los Angeles Convention Center, p. 64

Systems Biology as an Integrative Approach to Cancer, Arul M. Chinnaiyan, Chairperson, Room 403 A-B, Los Angeles Convention Center, p. 65

Targeted Cancer Therapy: Mono-specific versus Multi-targeted Strategies, Axel Ullrich, Chairperson, Concourse E, Los Angeles Convention Center, p. 65

Targeted Delivery of siRNA and Small Molecule Inhibitors, Jackson B. Gibbs, Chairperson, Concourse F, Los Angeles Convention Center, p. 66

The Ras Pathway: From Cancer Biology to Translational Opportunities, Dafna Bar-Sagi, Chairperson, Room 304 A-C, Los Angeles Convention Center, p. 66

8:00-10:00 AM Methods Workshops

Approaches to Cancer Genetics in Humans, Arnold J. Levine, Chairperson, Concourse F, Los Angeles Convention Center, p. 62

siRNA Screens: A Tool for Understanding Targets, Stephen H. Friend, Chairperson, Room 502 A-B, Los Angeles Convention Center, p. 62

10:15 AM-12:15 PM Methods Workshops

Advances in Imaging: From Molecules and Live-Cell Research to Animal Models and Clinical Applications, Jiri Bartek, Chairperson, Room 515 B, Los Angeles Convention Center, p. 67

Clinical Trials, Part I: Recent Innovations in Oncology Clinical Trials, Donald A. Berry, Chairperson, Room 515 A, Los Angeles Convention Center, p. 67

11:00 AM-5:00 PM Professional Advancement Series

Second WICR Leadership Development Workshop, Tona M. Gilmer, Chairperson, Sierra Ballroom, Wilshire Grand Hotel, p. 68

11:30 AM-5:00 PM Professional Advancement Series

Tenth Annual Grant Writing Workshop for Associate Members, Concourse Ballroom (Second Level), Los Angeles Marriott Hotel, p. 68

1:00-3:00 PM Educational Sessions

Metabolism and Cancer, Karen H. Vousden, Chairperson, Room 502 A-B, Los Angeles Convention Center, p. 69

Models and Assays for Drug Discovery and Development, J. Martin Brown, Chairperson, Room 515 B, Los Angeles Convention Center, p. 69

Non-invasive Imaging (MRI, PET, and Optical Imaging) in Detecting Disease, Evaluating Responses to Therapy, and Guiding Subsequent Treatment, Kevin M. Brindle, Chairperson, Room 515 A, Los Angeles Convention Center, p. 70
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Plasma Biomarkers: Applications in Oncology, Gary J. Kelloff, Chairperson, Room 408 A-B, Los Angeles Convention Center, p. 70

Rho GTPases: Cytoskeleton and Cancer, Christopher J. Marshall, Chairperson, Room 511 A-C, Los Angeles Convention Center, p. 71

The Epigenetic Road from Stem Cells to Cancer, Kornelia Polyak, Chairperson, Petree D, Los Angeles Convention Center, p. 71


1:00-3:00 PM Methods Workshops

Clinical Trials, Part II: Why Oncology Drug Development Usually Fails—Bad Drugs, Bad Designs, or Bad Patient Selection?, Mark J. Ratain, Chairperson, Concourse F, Los Angeles Convention Center, p. 73

Interpreting Chromosomal Copy Number Aberration in the Cancer Genome, Cameron W. Brennan, Chairperson, Room 304 A-C, Los Angeles Convention Center, p. 73

Recent Advances in Mouse Models of Cancer, Michael M. Shen, Chairperson, Concourse E, Los Angeles Convention Center, p. 74

3:15-5:15 PM Educational Sessions

Alternative Approaches to Small Molecule Drug Discovery (protein-protein interactions), William R. Sellers and Carlos Garcia-Echeverria, Co-Chairpersons, Petree D, Los Angeles Convention Center, p. 75

MicroRNAs, Carlo M. Croce, Chairperson, Concourse E, Los Angeles Convention Center, p. 75

Preneoplasia: Predicting the Behavior of the Early Lesion, Rebecca Fitzgerald, Chairperson, Room 515 B, Los Angeles Convention Center, p. 76

Targeting Protein Translation in Cancer, Nahum Sonenberg, Chairperson, Room 515 A, Los Angeles Convention Center, p. 76

Targeting Ras Pathways in Cancer, Mariano Barbacid, Chairperson, Room 304 A-C, Los Angeles Convention Center, p. 77

Toll Receptors, Immunity, and Cancer, Louis M. Weiner, Chairperson, Room 403 A-B, Los Angeles Convention Center, p. 77

3:15-5:15 PM Methods Workshops

Measuring the Epigenome, Christoph Plass, Chairperson, Petree C, Los Angeles Convention Center, p. 78

Three-Dimensional Culture Models, Joan S. Brugge, Chairperson, Room 502 A-B, Los Angeles Convention Center, p. 78

5:15-6:45 PM Clinical and Basic Interface Sessions

Breast Cancer, Monica Morrow, Chairperson, Concourse E, Los Angeles Convention Center, p. 79

Central Nervous System Cancers, Henry S. Friedman, Chairperson, Room 403 A-B, Los Angeles Convention Center, p. 79

Colon Cancer: A Decade of Basic and Clinical Progress, James L. Abbruzzese, Chairperson, Concourse F, Los Angeles Convention Center, p. 80

Gynecologic Cancers: Current Status and Future Directions, Robert F. Ozols, Chairperson, Room 515 A, Los Angeles Convention Center, p. 80

Hematologic Malignancies, Kanti R. Rai, Chairperson, Petree D, Los Angeles Convention Center, p. 80

Identification and Exploitation of Molecular Targets in Pediatric Cancers: Expectations from and Challenges to Genomic Approaches to Therapy, Gregory H. Reaman, Chairperson, Room 304 A-C, Los Angeles Convention Center, p. 81

Lung and Head and Neck Cancers, Everett E. Vokes, Chairperson, Room 502 A-B, Los Angeles Convention Center, p. 82

Melanoma and Other Cutaneous Malignancies, John M. Kirkwood, Chairperson, Room 515 B, Los Angeles Convention Center, p. 82

Sarcoma, Laurence H. Baker, Chairperson, Room 408 A-B, Los Angeles Convention Center, p. 83

5:45-7:00 PM Tenth Annual AACR-Women in Cancer Research Charlotte Friend Memorial Lecture

Janet S. Butel, Hall B, Los Angeles Convention Center, p. 84

7:00-9:00 PM Professional Advancement Series

### Sunday Event Schedule

#### 7:30-9:15 AM  
**AACR Centennial Ceremony**  
Hall A, Los Angeles Convention Center, p. 88

#### 9:15 AM-12:30 PM  
**Opening Plenary Session**  
Translating a Century of Science into a Future of Cancer Prevention and Cures, Ronald A. DePinho, Chairperson, Hall A, Los Angeles Convention Center, p. 92

#### 8:00 AM-12:00 PM  
**Poster Sessions**  
Exhibit Hall, Los Angeles Convention Center

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

- Undergraduate Student Caucus and Poster Competition, Pacific Ballroom, Wilshire Grand Hotel, p. 124

#### 1:00-3:00 PM  
**Forums**

- What Are the Best Preclinical Models for Cancer Drug Discovery, Robert A. Weinberg, Moderator, Concourse E, Los Angeles Convention Center, p. 125
- Opportunistic Screening for Prostate Cancer: The Up and Down Sides of PSA Testing, Fritz H. Schröder, Moderator, Petree D, Los Angeles Convention Center, p. 125
- Therapeutic Manipulations of Tumor Suppressors, Gerard I. Evan, Moderator, Concourse F, Los Angeles Convention Center, p. 125

#### 1:00-3:00 PM  
**Drug Development Track**

- New Drugs on the Horizon 1, John T. Hunt and Judith S. Sebolt-Leopold, Co-Chairpersons, Hall A, Los Angeles Convention Center, p. 126

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**Category Codes for Poster Sessions and Minisymposia:**

- **CB** = Cellular and Molecular Biology; **CG** = Carcinogenesis; **CH** = Chemistry; 
- **CL** = Clinical Research; **EN** = Endocrinology; **EP** = Epidemiology; 
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- **PR** = Prevention Research; **TB** = Tumor Biology
### Sunday, April 15, 2007

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

Exhibit Hall, Los Angeles Convention Center

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#### 1:15-3:15 PM New Concepts in Organ Site Research

From Genes to Dreams: Translating Understanding of Biology into Cures of Pediatric Cancers, Richard J. Gilbertson and Katherine K. Matthay, Co-Chairpersons, Room 515 B, Los Angeles Convention Center, p. 156

#### 1:30-3:00 PM Town Meeting

Associate Member Town Meeting: A Forum for Early-Career Scientists, Room 408 A-B, Los Angeles Convention Center, p. 157

#### 2:00-3:15 PM Forum

Science Policy and Legislative Affairs: Meet the President’s Cancer Panel/Discuss National Cancer Policy, William G. Nelson V, Chairperson, Room 301 A-B, Los Angeles Convention Center, p. 157

#### 2:00-5:30 PM Minisymposia

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Sunday Event Schedule

3:15-5:15 PM  Drug Development Track Special Session 2
New Drugs on the Horizon 2, Steven K. Davidson and Bruce D. Cohen, Co-Chairpersons, Hall A, Los Angeles Convention Center, p. 162

3:15-5:15 PM  New Concepts in Organ Site Research
New Approaches to Imaging, Diagnosis, and Treatment of Sarcomas, Lee J. Helman and George D. Demetri, Co-Chairpersons, Room 515 B, Los Angeles Convention Center, p. 162

3:15-5:15 PM  Symposia
Genomic Instability in Development and Cancer, Robert Benezra, Chairperson, Room 502 A-B, Los Angeles Convention Center, p. 163
Hormonal Chemoprevention, Leslie G. Ford, Chairperson, Room 411, Los Angeles Convention Center, p. 163
Inflammation and Cancer, Michael Karin, Chairperson, Room 408 A-B, Los Angeles Convention Center, p. 164
Metastasis, Joan Massagué, Chairperson, Concourse F, Los Angeles Convention Center, p. 164
Models of Human Cancer, Anton J. M. Berns, Chairperson, Petree D, Los Angeles Convention Center, p. 165
Molecular Signatures and Systems Medicine, Edison T. Liu, Chairperson, Room 403 A-B, Los Angeles Convention Center, p. 165
Receptor Tyrosine Kinase Inhibitors, Sara A. Courtneidge, Chairperson, Concourse E, Los Angeles Convention Center, p. 166
Transcription Factors and Networks in Cancer, Carol L. Prives, Chairperson, Petree C, Los Angeles Convention Center, p. 166

4:15-5:30 PM  AACR-Minorities in Cancer Research Jane Cooke Wright Lecture
Harold P. Freeman, Hall B, Los Angeles Convention Center, p. 167

5:00-7:00 PM  NCI/NIH-Sponsored Session
The Cancer Genome Atlas, Session 1: Glioblastoma Multiforme, Anna D. Barker, Chairperson, Room 301 A-B, Los Angeles Convention Center, p. 168

5:30-6:30 PM  First Annual AACR-CICR Award for Outstanding Achievement in Chemistry in Cancer Research Lecture
Samuel J. Danishefsky, Hall B, Los Angeles Convention Center, p. 169

5:30-6:30 PM  Tenth Annual Pezcoller Foundation-AACR International Award for Cancer Research Lecture
Mina J. Bissell, Hall A, Los Angeles Convention Center, p. 170

6:45-8:30 PM  Professional Advancement Series
Job Search 101: From First Contact to Negotiating a Start-Up Package, Concourse Ballroom (Second Level), Los Angeles Marriott Hotel, p. 171

6:45-8:30 PM  Town Meeting
Molecular Epidemiology Working Group Town Meeting and Reception, Grand Ballroom (Second Level), Los Angeles Marriott Hotel, p. 171

8:00-10:00 PM  Special Event
AACR Centennial Concert Featuring k.d. lang and Mandy Patinkin
Proceeds benefit the AACR Foundation for the Prevention and Cure of Cancer
Gibson Ampitheatre at Universal CityWalk
Shuttle buses will be provided from the Convention Center and Headquarters Hotels
6:00 PM Concession stands open
7:00 PM Doors open
7:45 PM Welcoming remarks
8:00 PM Concert begins
All proceeds from the Centennial Concert will support cancer research. The AACR recognizes the Breast Cancer Research Foundation for its generous leading support.
Visit the Centennial Concert booth in the Registration Area for ticket sales and information.
See p. 172

Sunday, April 15, 2007
7:00-8:00 AM  NCI/NIH-Sponsored Session
NIH Grants: Changes in Review and Funding Opportunities, Suresh Mohla, Moderator, Room 301 A-B, Los Angeles Convention Center, p. 175

7:00-8:00 AM  Meet-the-Expert Sunrise Sessions
AACR Centennial Lecture
Targeting PI3K in Cancer, Lewis C. Cantley, Concourse E, Los Angeles Convention Center, p. 176
AACR Centennial Lecture
Endogenous Angiogenesis Inhibitors in the Management of Cancer, Judah Folkman, Hall B, Los Angeles Convention Center, p. 176
Breast Cancer: A Model for Translational Research in Solid Tumors, Martin D. Abeloff, Room 403 A-B, Los Angeles Convention Center, p. 176
Chromatin and Cancer, Moshe Yaniv, Room 409 A-B, Los Angeles Convention Center, p. 176
Combinatorial Cancer Immunotherapy, Glenn Dranoff, Room 515 A, Los Angeles Convention Center, p. 176
Dissecting Cancer Pathways Using the Zebrafish: Emerging Results and Implications for Therapy, A. Thomas Look, Concourse F, Los Angeles Convention Center, p. 177
DNA Methylation, Inflammation, and Prostate Cancer, William G. Nelson V, Room 515 B, Los Angeles Convention Center, p. 177
From Surrogates to Mechanistic Kinase Biomarkers at the Single Cell Level in the Immune System and Hematological Cancers, Garry P. Nolan, Room 402 A-B, Los Angeles Convention Center, p. 177
Integrating Chemical and Biological Etiologies to Effect Cancer Prevention, John D. Groopman, Room 518, Los Angeles Convention Center, p. 177
Molecular Control of Apoptosis and Its Role in Tumorigenesis and Cancer Therapy, Andreas Strasser, Room 306 A-B, Los Angeles Convention Center, p. 178
Mouse Models of Human Cancer, Dean W. Felsher, Room 501 A-C, Los Angeles Convention Center, p. 178
Opportunities and Challenges for the Implementation of Personalized Molecular Medicine, Gordon B. Mills, Room 404 A-B, Los Angeles Convention Center, p. 178
Optical and Magnetic Resonance Molecular Imaging, Umar Mahmood, Room 406 A-B, Los Angeles Convention Center, p. 178
Ras Oncogene Signaling Networks, Julian Downward, Room 408 A-B, Los Angeles Convention Center, p. 178

8:00 AM-12:00 PM  Poster Sessions
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PR 6 Prevention Studies, p. 181
EP 5 Biomarkers of DNA Damage and Repair 2, p. 182
EP 6 Infection, Immunity, and Cancer Risk, p. 183
CL 6 Methylation and mRNA Expression, p. 184
CL 7 Pediatric Cancer Biology and Molecular Oncology, p. 185
CL 8 Targeted Agents and Other Novel Therapies, p. 186
CL 9 Vaccines and Immunotherapy, p. 187
IM 4 Immunotherapy and Cancer Vaccines 2, p. 188
CB 20 Apoptosis Therapy, p. 189
CB 21 DNA Repair and Cancer Susceptibility, p. 190
CB 22 DNA Repair and Chemotherapeutic Agent Resistance, p. 191
CB 23 Molecular Genetics 3, p. 192
CB 24 Molecular Genetics 4, p. 193
CB 25 Receptor-Mediated Signaling 1, p. 194
CB 26 Receptor-Mediated Signaling 2, p. 195
CB 27 Transcription Factors and Oncogene Pathways, p. 196
TB 12 Antiangiogenesis: Targeting Endothelial Receptors, p. 197
TB 13 Genes Associated with Tumor Progression and Resistance, p. 198
TB 14 Metastasis Inhibition, p. 199
TB 15 Mouse Models of Cancer 2: Therapeutic Approaches, p. 200
CH 3 Proteomics: Gastrointestinal, Renal, and Bladder
Monday Event Schedule

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8:15-10:15 AM  Clinical Research Track: Special Session 1

Phase III Clinical Plenary Session: Breakthroughs in Clinical Research, Larry Norton, Moderator, Hall A, Los Angeles Convention Center, p. 208

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


9:30-12:00 AM  Session on Ethics in Cancer Research


9:30 AM-1:00 PM  Minisymposia

CG 3  Molecular Carcinogenesis 1, Cheryl Lyn Walker and John D. Groopman, Co-Chairpersons, Room 406 A-B, Los Angeles Convention Center, p. 210

CL 10  Biomarkers of Clinical Outcomes, David B. Solit and Ingo K. Mellinghoff, Co-Chairpersons, Room 511 A-C, Los Angeles Convention Center, p. 210

CB 28  Cistromes and Transcriptomes, Tim Hui-Ming Huang and Paul S. Meltzer, Co-Chairpersons, Room 409 A-B, Los Angeles Convention Center, p. 211

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Monday, April 16, 2007
Monday, April 16, 2007

10:00 AM-12:00 PM  MICR Forum


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

Acute Myeloid Leukemia, James D. Griffin and Christine Chomienne, Co-Chairpersons, Room 411, Los Angeles Convention Center, p. 214

Lung Cancer: From Stem Cells to Therapeutics, Daniel A. Haber and Joan H. Schiller, Co-Chairpersons, Room 515 B, Los Angeles Convention Center, p. 214

10:15-10:45 AM  Address by the Director of the National Cancer Institute

John E. Niederhuber, Hall A, Los Angeles Convention Center, p. 215

10:45 AM-12:15 PM  NCI/NIH-Sponsored Session

caBIG: The Cancer Biomedical Informatics Grid, Room 301 A-B, Los Angeles Convention Center, p. 215

10:30 AM-12:30 PM  Symposia

The Stanley J. Korsmeyer Memorial Symposium: Apoptotic and Non-Apoptotic Cell Death in Cancer, Eileen P. White, Chairperson, Hall B, Los Angeles Convention Center, p. 216

Cancer Cell Cycles, Helen M. Piwnica-Worms, Chairperson, Room 502 A-B, Los Angeles Convention Center, p. 216

Developmental Signaling Pathways in Cancer, Hans Clevers, Chairperson, Room 403 A-B, Los Angeles Convention Center, p. 217

Ruth Sager Memorial Symposium on Cancer Genetics and Epigenetics: DNA Methylation/Epigenetics, Peter A. Jones, Chairperson, Petree D, Los Angeles Convention Center, p. 217

Immunotherapy, Martin A. Cheever, Chairperson, Petree C, Los Angeles Convention Center, p. 218

Strategies to Reduce Attrition in Clinical Trials, Richard B. Gaynor, Chairperson, Concourse E, Los Angeles Convention Center, p. 218

The Role of Dietary Factors in Cancer Etiology and Prognosis, Christine B. Ambrosone, Chairperson, Room 408 A-B, Los Angeles Convention Center, p. 219

Tumor Microenvironment, Joan S. Brugge, Chairperson, Concourse F, Los Angeles Convention Center, p. 219

10:45-11:00 AM  Presentation of the Fourth Annual AACR Award for Lifetime Achievement

Donald Metcalf, Hall A, Los Angeles Convention Center, p. 220

11:00 AM-12:00 PM  Presidential Address

Geoffrey M. Wahl, Hall A, Los Angeles Convention Center, p. 221

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

Lymphoma Biology and Therapy, Riccardo Dalla-Favera and Ronald Levy, Co-Chairpersons, Room 411, Los Angeles Convention Center, p. 221

Recent Progress in Diagnosis and Management of Prostate Cancer, Owen N. Witte and Fritz H. Schröder, Co-Chairpersons, Room 515 B, Los Angeles Convention Center, p. 222

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

AACR Annual Business Meeting, Room 306 A-B, Los Angeles
12:30-2:00 PM Forums

Controversies in Lung Cancer Screening, John D. Minna, Moderator, Concourse E, Los Angeles Convention Center, p. 224

New Approaches to Antiangiogenic Therapy in Pediatric Cancer: From Pets to People, Lee J. Helman, Moderator, Concourse F, Los Angeles Convention Center, p. 224

Vaccines for Cancer Treatment: Fantasy or Reality?, Elizabeth M. Jaffee, Moderator, Petree D, Los Angeles Convention Center, p. 224

1:00-4:30 PM Minisymposia

PR 7 Preclinical Prevention Studies 2: Molecular Pharmacology in Animal Models, Ethan Dmitrovsky and Powel H. Brown, Co-Chairpersons, Room 501 A-C, Los Angeles Convention Center, p. 225

EP 7 Cancer Biology, Risk, and Prognosis among Minority Populations, Kathleen E. Malone and Ashraful Hoque, Co-Chairpersons, Room 409 A-B, Los Angeles Convention Center, p. 225

EN 2 Steroid Hormone Signaling, Coregulators, and Crosstalk with Growth Factor Pathways, Rachel Schiff and Dorraya El-Ashry, Co-Chairpersons, Room 406 A-B, Los Angeles Convention Center, p. 226

CB 29 Receptor-Mediated Signaling 3, Yosef Yarden and Axel Ullrich, Co-Chairpersons, Room 511 A-C, Los Angeles Convention Center, p. 226

CB 30 What’s New with p53 and the Family, Wafik S. El-Deiry and Yi Sun, Co-Chairpersons, Room 304 A-C, Los Angeles Convention Center, p. 227

TB 17 Tumor-Microenvironment Interactions in Metastasis: From Hypoxia to Host, Kent W. Hunter and Mary J. C. Hendrix, Co-Chairpersons, Room 404 A-B, Los Angeles Convention Center, p. 227

ET 23 Novel Molecular Mechanisms of Signaling Agents, Mark X. Slivkowski and Fadlo R. Khuri, Co-Chairpersons, Room 515 A, Los Angeles Convention Center, p. 228

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EP 8  Molecular Epidemiology and Cancer Risk: Diet, Hormones, and Physical Activity, p. 230
CG 4  Skin Carcinogenesis, p. 231
CL 11  Adult Clinical Research/Phase I-II Clinical Trials, p. 232
CL 12  Blood-Based Biomarkers, p. 233
CL 13  mRNA Expression and Patient Outcome, p. 234
IM 5  Immunotherapy and Cancer Vaccines 3: Genomics, MHC, p. 235
CB 31  Autophagy and Drug Response, p. 236
CB 32  Cell Signaling 1, p. 237
CB 33  Cell Signaling 2, p. 238
CB 34  DNA Methylation 1, p. 239
CB 35  DNA Methylation 2, p. 240
CB 36  Drug Resistance and Metabolism, p. 241
CB 37  Genomic Characterization of Human Cancer, p. 242
CB 38  Molecular Signatures of Tumor Biology and Patient Outcome, p. 243
CB 39  Tumor Classification Based on Coding and Regulatory Transcriptomes, p. 244
TB 18  Angiogenesis, Lymphangiogenesis, and Metastasis: Imaging and Model Systems, p. 245
TB 19  Cell-Cell and Cell-Matrix Adhesive Interactions, p. 246
TB 20  Mouse Models of Cancer 3: Mechanisms of Tumor Formation, p. 247
TB 21  Proteases in Invasion and Metastasis, p. 248
TB 22  Radiation Biology 1: Modulating Radiation Response, p. 249
CH 5  Proteomics of Hematopoiesis, Pediatric and Brain Tumors, and Biomarker Development, p. 250
CH 6  Structural Biology of Drug Targets, p. 251
ET 24  Antimetabolites and Alkylating Agents, p. 252
ET 25  Cell Cycle and Apoptosis, p. 253
ET 26  Kinase Inhibitors 2, p. 254
ET 27  Mechanisms of Agents: Targeting Hormonal Tumors or COX-2, p. 255
ET 28  Targeted Viral and Non-Viral Therapy of Cancer, p. 256
ET 29  Viral and Monoclonal Antibody-Based Therapy of Cancer, p. 257

1:30-2:30 PM  AACR-Irving Weinstein Foundation Distinguished Lecture
Alexander Varshavsky, Hall A, Los Angeles Convention Center, p. 258

1:30-3:30 PM  NIH-Sponsored Session
Tips on the NIH Grant Process: Opportunities for Cancer Research Funding at NIGMS, NIDCR, NIDDK, NHCB, and Other NIH Institutes, Phuong Kim Pham, Chairperson, Room 301 A-B, Los Angeles Convention Center, p. 259

2:00-2:30 PM  AACR-Gertrude B. Elion Cancer Research Career Development Award Lecture
Scott M. Hammond, Petree D, Los Angeles Convention Center, p. 260

2:00-4:00 PM  New Concepts in Organ Site Research
Advances in Renal Cancer Genetics, Biology, and Treatment, William G. Kaelin, Jr. and Michael B. Atkins, Co-Chairpersons, Room 411, Los Angeles Convention Center, p. 261
Basal-like Breast Cancers: What We Know and Don’t Know, Olufunmilayo I. Olopade and Judy E. Garber, Co-Chairpersons, Room 515 B, Los Angeles Convention Center, p. 261

2:30-4:30 PM  Clinical Research Track: Special Session 2
Preclinical Research and Phase I Clinical Trials, Hall B, Los Angeles Convention Center, p. 262

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Angiogenesis/Lymphangiogenesis, Gabriele I. A. Bergers, Chairperson, Petree C, Los Angeles Convention Center, p. 263

Mechanisms of Immune Surveillance and Its Evasion by Tumors, Douglas Hanahan, Chairperson, Room 502 A-B, Los Angeles Convention Center, p. 263

Non-Coding RNAs in Cancer, Gregory Hannon, Chairperson, Petree D, Los Angeles Convention Center, p. 264

Oncogenomics, Joe W. Gray, Chairperson, Concourse E, Los Angeles Convention Center, p. 264

Science of Supportive Care: Impact of Science on the Quality of Life for Cancer Patients, Perry D. Nisen, Chairperson, Room 403 A-B, Los Angeles Convention Center, p. 265

Targeting Cell Death Pathways for Cancer Drug Discovery, Stephen W. Fesik, Chairperson, Concourse F, Los Angeles Convention Center, p. 265

3:30-5:30 PM  NCI/NIH-Sponsored Session

Technology Transfer: Financial and Career Opportunities for Researchers, Phuong Kim Pham, Chairperson, Room 301 A-B, Los Angeles Convention Center, p. 266

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

Breast Cancer, Myles A. Brown and Dennis J. Slamon, Co-Chairpersons, Room 515 B, Los Angeles Convention Center, p. 266

4:30-5:30 PM  Sixth Annual Kirk A. Landon-AAAG Prize for Basic Cancer Research Lecture

Richard D. Kolodner, Hall A, Los Angeles Convention Center, p. 267

4:45-6:15 PM  Forum

Identifying, Preventing, and Ameliorating Late Effects in Cancer Survivors, Lisa Diller, Moderator, Petree D, Los Angeles Convention Center, p. 268

5:00-6:30 PM  Town Meeting


5:30-6:30 PM  Sixth Annual Dorothy P. Landon-AAAG Prize for Translational Cancer Research Lecture

Douglas R. Lowy and John T. Schiller, Hall A, Los Angeles Convention Center, p. 269

6:00-8:00 PM  NCI/NIH-Sponsored Session

The Cancer Genome Atlas, Session 2: Lung Cancer, Anna D. Barker, Chairperson, Room 301 A-B, Los Angeles Convention Center, p. 270

6:45-8:30 PM  Professional Advancement Series

Ethical, Legal, and Policy Issues Relevant to Biospecimen Collection, Grand Ballroom (Second Level), Salons 3-4, Los Angeles Marriott Hotel, p. 271

Starting and Managing Collaborations in an Increasingly Global Cancer Research Community, Concourse Ballroom (Second Level), Salons 1-3, Los Angeles Marriott Hotel, p. 271

6:45-8:30 PM  Town Meeting

Chemistry in Cancer Research Working Group Town Meeting and Reception, Wilshire Room, Wilshire Grand Hotel, p. 272

7:00-9:30 PM  Professional Advancement Series

MICR Reception and Roundtable: Navigating the Road to a Successful Career in Cancer Research, Patricia S. Lorenzo and Jessie A. Satia, Co-Chairpersons, Sierra Ballroom, Wilshire Grand Hotel, p. 273

9:00-11:00 PM  Annual Reception

California Ballroom, Westin Bonaventure Hotel, p. 274

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The NCI’s Early Detection Research Network: Novel Technologies and Validation Challenges, Room 301 A-B, Los Angeles Convention Center, p. 275

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

**AACR Centennial Lecture**

Cancer-initiating Cells: From Leukemia to Solid Tumors, John E. Dick, Concourse F, Los Angeles Convention Center, p. 276

**AACR Centennial Lecture**

The Multifactorial Nature of Drug Resistance, Susan Band Horwitz, Concourse E, Los Angeles Convention Center, p. 276

Aberrant Ras Signaling in Developmental Disorders and Childhood Cancer, Kevin M. Shannon, Petree D, Los Angeles Convention Center, p. 276

Design and Analysis of Genome-wide Association Studies, John S. Witte, Room 404 A-B, Los Angeles Convention Center, p. 277

Gender, Ethnicity, and Response to Anticancer Agents, Alex A. Adjei, Room 402 A-B, Los Angeles Convention Center, p. 276

Metabolism and Cancer, Reuben J. Shaw, Room 409 A-B, Los Angeles Convention Center, p. 277

Myc in Breast Cancer Progression, Olufunmilayo I. Olopade, Room 518, Los Angeles Convention Center, p. 277

Oncogene-induced Senescence: In Vitro Tool or In Vivo Reality?, Daniel S. Peep, Room 501 A-C, Los Angeles Convention Center, p. 277

Progress in Metronomic Antiangiogenic Chemotherapy, Robert S. Kerbel, Room 511 A-C, Los Angeles Convention Center, p. 278

Targeting p53 and the NF-κB, Andrei V. Gudkov, Room 304 A-C, Los Angeles Convention Center, p. 278

The Role Of Chromatin-Based Gene Regulation In Cancer: New Therapeutic and Prevention Targets, Frank J. Rauscher, III, Room 408 A-B, Los Angeles Convention Center, p. 278

The Role of Intercellular Communication in Regulating the Development of Squamous Cell Carcinomas, Fiona M. Watt, Room 406 A-B, Los Angeles Convention Center, p. 278

The Shp2/Ras/Erk Pathway in Human Disease, Benjamin G. Neel, Room 515 A, Los Angeles Convention Center, p. 279

Tissue Recombinant Models of Cancer, Simon W. Hayward, Room 403 A-B, Los Angeles Convention Center, p. 279

Towards the Early Detection of Cancer, Amanda Paulovich, Room 306 A-B, Los Angeles Convention Center, p. 279

Viruses: Powerful Agents with Which to Understand and Treat Cancer, Clodagh C. O’Shea, Room 515 B, Los Angeles Convention Center, p. 279

**8:00-9:00 AM  Forty-Seventh Annual AACR-G.H.A. Clowes Memorial Award Lecture**

Michael B. Kastan, Hall A, Los Angeles Convention Center, p. 280

**8:00-9:00 AM  Town Meeting**

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Cancer Consortia: Opportunities and Challenges, Paolo Boffetta, Moderator, Petree C, Los Angeles Convention Center, p. 282

Exploring the Role of Hedgehog in Cancer, David J. Robbins, Moderator, Petree D, Los Angeles Convention Center, p. 282

Genetic Testing for Cancer Predisposition and Pharmacogenetics, Sapna Syngal, Moderator, Concourse F, Los Angeles Convention Center, p. 282

Why Are Studies of Diet and Cancer Inconsistent?, John D. Potter, Moderator, Concourse E, Los Angeles Convention Center, p. 282

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

Advances in Early Detection and Targeted Therapy of Ovarian Cancer, Kunle Odunsi and Robert F. Ozols, Co-Chairpersons, Room 515 B, Los Angeles Convention Center, p. 283

Translational Research in GI and Esophageal Cancers: Bench, Bedside, and Population, Brian J. Reid and Timothy C. Wang, Co-Chairpersons, Room 411, Los Angeles Convention Center, p. 283
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8:00 AM-12:00 PM  Late-Breaking Poster Session 1

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8:00 AM-12:00 PM  Poster Sessions

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PR 10  Signal Transduction 2, p. 286
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EP 10  Molecular Epidemiology of Growth, Cell Cycle, and Energy Balance, p. 288
CG 5  Female Reproductive Tract, Breast, and Estrogen Carcinogenesis, p. 289
CL 14  Biomarkers with Clinical Significance: Blood, Tissue, and Imaging, p. 290
CL 15  Phase II-III Adult Clinical Trials, p. 291
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CB 44  Computational and Genomic Approaches for Understanding Cancer Gene Expression, p. 298
CB 45  Cytosolic Signaling 1, p. 299
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CB 48  Novel Computational and Molecular Approaches to Cancer Gene Discovery, p. 302
TB 23  Angiogenesis 1: Invasion and Metastasis, p. 303
TB 24  Mouse Models of Cancer 4: Tissue-specific Systems I, p. 304
TB 25  Mouse Models of Cancer 5: Tissue-specific Systems II, p. 305
TB 26  Radiation Biology 2: DNA Damage/Apoptosis, p. 306
TB 27  Tumor Invasion, p. 307
CH 7  Drug Discovery and Design 1, p. 308
ET 30  Angiogenesis Inhibitors, p. 309
ET 31  EGFR Inhibition, p. 310
ET 32  Mechanisms of Nucleoside Targeting Agents and DNA Damaging Agents, p. 311

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ET 33  Novel Approaches to Enhance Effectiveness or Decrease Toxicity of Active Agents, p. 312
ET 34  Targeting mTOR, EGFR, and HDAC, p. 313
ET 35  Therapeutic Antibodies, p. 314

Ubiquitin and Proteosomes, Raymond J. Deshaies, Chairperson, Room 403 A-B, Los Angeles Convention Center, p. 322

9:00-10:00 AM
Twelfth Annual AACR-Joseph H. Burchenal Memorial Award for Clinical Research Lecture
Kenneth C. Anderson, Hall A, Los Angeles Convention Center, p. 315

10:00 AM-12:00 PM  Clinical Research Track: Special Session 3
Phase II Proof of Concept Clinical Trials, Philip W. Kantoff, Moderator, Hall B, Los Angeles Convention Center, p. 316

10:00 AM-12:00 PM  New Concepts in Organ Site Research
Current Approaches to Colorectal Cancer Biology, Raju Kucherlapati and Raymond N. DuBois, Co-Chairpersons, Room 515 B, Los Angeles Convention Center, p. 317
Melanoma, Molecular Biology, and Targeted Therapy Translation, Richard M. Marais and Keith T. Flaherty, Co-Chairpersons, Room 411, Los Angeles Convention Center, p. 317

10:00 AM-12:00 PM  Symposia
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Cancer Biomarkers and Molecular Diagnostics, Samir M. Hanash, Chairperson, Concourse F, Los Angeles Convention Center, p. 318
Hormonal Networks, Ronald M. Evans, Chairperson, Petree C, Los Angeles Convention Center, p. 319
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Innovations in Drug Development and Clinical Trials, Alex A. Adjei, Chairperson, Concourse E, Los Angeles Convention Center, p. 320
MICR Scientific Symposium: Molecular Aspects of Cancer Treatment and Cancer Risk, Jean G. Ford and Eddie Reed, Co-Chairpersons, Room 301 A-B, Los Angeles Convention Center, p. 320
RNAi Therapies, Stephen H. Friend, Chairperson, Room 502 A-B, Los Angeles Convention Center, p. 321
The Implications of Genome Structure in Cancer Etiology and Outcomes, Timothy R. Rebbeck, Chairperson, Room 402 A-B, Los Angeles Convention Center, p. 321

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10:00 AM-1:30 PM  Minisymposia

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**CL 16**  Clinical Immunology and Biological Therapy, Michael B. Atkins and Kim A. Margolin, Co-Chairpersons, Room 409 A-B, Los Angeles Convention Center, p. 323

**CB 49**  Cancer Epigenetics, Charles W. M. Roberts and Toshikazu Ushijima, Co-Chairpersons, Room 304 A-C, Los Angeles Convention Center, p. 324

**CB 50**  Non-Receptor Mediated Signaling, Peter K. Vogt and David Schlaepfer, Co-Chairpersons, Room 511 A-C, Los Angeles Convention Center, p. 324

**TB 28**  Angiogenesis and Lymphangiogenesis in Tumor Metastasis, Kari K. Alitalo and Judith A. Varner, Co-Chairperson, Room 404 A-B, Los Angeles Convention Center, p. 325

**CH 8**  Drug Discovery and Design 2: Targeted Design and Delivery, Diane H. Boschelli and Chengguo Xing, Co-Chairpersons, Room 406 A-B, Los Angeles Convention Center, p. 325

**ET 36**  Genetic and Antibody Based Experimental Therapies, F. Stephen Hodi and Bob S. Carter, Co-Chairpersons, Room 515 A, Los Angeles Convention Center, p. 326

10:00 AM-1:30 PM  Session on New Technology

Advances in Nanotechnology Applications for Cancer Research, Anna D. Barker and Jan E. Schnitzer, Co-Chairpersons, Room 306 A-B, Los Angeles Convention Center, p. 327

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

Functional Genomics and Signaling Pathways in Liver Cancer, Snorri S. Thorgerisson and Jack R. Wands, Co-Chairpersons, Room 515 B, Los Angeles Convention Center, p. 329

Recent Advances in Head and Neck Cancer, Waun Ki Hong and Jennifer R. Grandis, Co-Chairpersons, Room 411, Los Angeles Convention Center, p. 329

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Challenges in Breast Cancer Genetics, Judy E. Garber, Moderator, Concourse F, Los Angeles Convention Center, p. 330

Natural Products: Mother Nature’s Gifts to Oncology!, David Newman, Moderator, Petree D, Los Angeles Convention Center, p. 330

The Challenges of Standardization of Molecular Profile Data, John Quackenbush, Moderator, Petree C, Los Angeles Convention Center, p. 330

Translating the Cancer Stem Cell Hypothesis to Cancer Patient Care, David T. Scadden, Moderator, Concourse E, Los Angeles Convention Center, p. 330

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Science Policy and Legislative Affairs: Cancer Funding Outlook in the New Congress, William G. Nelson V, Chairperson, Room 301 A-B, Los Angeles Convention Center, p. 331

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George D. Yancopoulos, Chairperson, Hall B, Los Angeles Convention Center, p. 331

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Webster K. Cavenee, Hall A, Los Angeles Convention Center, p. 332

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1:00-5:00 PM  Poster Sessions

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EP 13  Genetics of Inflammation and DNA Repair, p. 336
CG 6  Molecular Carcinogenesis 2, p. 337
CL 17  Gene Expression in Endocrine Regulated Tumors/Clinical Research in Elderly and Minority Populations, p. 338
CL 18  Immunobiology, Immunoassays, and Cytokines, p. 339
EN 4  Steroid Receptor Signaling in Breast, Prostate, and Other Cancers, p. 340
CB 51  Cell Cycle Regulators as Therapeutic Targets, p. 341
CB 52  Cell Surface Receptor Signaling, p. 342
CB 53  Computational Approaches for Understanding Cancer Biology, p. 343
CB 54  Genomic Approaches to Therapeutic Target Discovery, p. 344
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CB 56  Metabolism and Cancer Pathways and Regulation, p. 346
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CB 59  System-Based Characterization of Targeted Drug Response, p. 349
CB 60  Unfolded Protein and Other Stresses, p. 350
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TB 30  Angiogenesis 3: Novel Strategies and Biomarkers, p. 352
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CH 9  Drug Discovery and Design 3: Drug Delivery, Structural Analyses, p. 355
ET 37  Cancer Therapeutics 1, p. 356
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ET 39  Experimental Gene Based Therapeutics, p. 358
ET 40  Natural Products and Their Proximal Derivatives in Cancer Treatment, p. 359
ET 41  New and Emerging Targets 2, p. 360
ET 42  Therapeutic Approaches to Apoptosis, p. 361

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

Malignant Gliomas, Webster K. Cavenee and W. K. Alfred Yung, Co-Chairpersons, Room 515 B, Los Angeles Convention Center, p. 362

2:00-4:00 PM  Special Symposium

Associate Member Council Symposium: Future Leaders, New Directions—Highlighting the Work of Outstanding Early-Career Scientists, Room 411, Los Angeles Convention Center, p. 362

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IM 7  Immunotherapy and Cancer Vaccines 4, Wei-Zen Wei and Keith Knutson, Co-Chairpersons, Room 409 A-B, Los Angeles Convention Center, p. 363
CB 61  Cell Responses: Senescence and Autophagy, Stephen Neidle and Lily Yang, Co-Chairpersons, Room 511 A-C, Los Angeles Convention Center, p. 363
CB 62  New Cancer-Associated Loci, Alea A. Mills and Xiang Xu, Co-Chairpersons, Room 304 A-C, Los Angeles Convention Center, p. 364
TB 33  Prostate Cancer Biology, Dylan R. Edwards and Carrie W. Rinker-Schaeffer, Co-Chairpersons, Room 406 A-B, Los Angeles Convention Center, p. 364
ET 43  Pathways to Apoptosis, Giuseppe Giaccone and W. Douglas Cress, Co-Chairpersons, Room 404 A-B, Los Angeles Convention Center, p. 365
ET 44  Target Identification and Validation: Large Scale Approaches, Chiu Isabel and Thijn Brummelkamp, Co-Chairpersons, Room 515 A, Los Angeles Convention Center, p. 365
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<td>Chemotherapy-Related Cognitive Dysfunction: An Emerging Area of Translational Research, Jimmie C. Holland, Chairperson, Room 306 A-B, Los Angeles Convention Center, p. 366</td>
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<td>Infectious Agents and Cancer: The Role of Immunity and Inflammation, Marc T. Goodman, Chairperson, Room 502 A-B, Los Angeles Convention Center, p. 369</td>
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<td>Linking Chromatin Dynamics to Cancer Biology, Therapeutics, and Prevention, Frank J. Rauscher, III, Chairperson, Concourse F, Los Angeles Convention Center, p. 370</td>
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<td>Obesity, Metabolism, and Cancer, Stephen D. Hursting, Chairperson, Petree C, Los Angeles Convention Center, p. 371</td>
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<td>Pediatric Cancer, Luis F. Parada, Chairperson, Room 408 A-B, Los Angeles Convention Center, p. 371</td>
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<td>PI3K-mTOR, Lewis C. Cantley, Chairperson, Hall B, Los Angeles Convention Center, p. 372</td>
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<td>Translational Control and Cancer, Nahum Sonenberg, Chairperson, Petree D, Los Angeles Convention Center, p. 372</td>
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<td>Cancer Stem Cells: The Bayard D. Clarkson Symposium on Stem Cells and Cancer, Jane Visvader, Chairperson, Room 402 A-B, Los Angeles Convention Center, p. 373</td>
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<tr>
<td>3:30-5:30 PM</td>
<td><strong>High-Impact Late-Breaking Research 1</strong></td>
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<td>Hall A, Los Angeles Convention Center, p. 373</td>
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<tr>
<td>4:00-6:00 PM</td>
<td><strong>New Concepts in Organ Site Research</strong></td>
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<td>Early Detection of Pancreatic Cancer: The Holy Grail, Nabeel M. Bardeesy and Margaret A. Tempero, Co-Chairpersons, Room 515 B, Los Angeles Convention Center, p. 374</td>
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<tr>
<td>5:00-7:00 PM</td>
<td><strong>NCI/NIH-Sponsored Session</strong></td>
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<td>The Cancer Genome Atlas 3: Ovarian Cancer, Anna D. Barker, Chairperson, Room 301 A-B, Los Angeles Convention Center, p. 374</td>
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<td>6:45-8:30 PM</td>
<td><strong>Professional Advancement Series</strong></td>
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<td>Successful Paper Publishing: Insight and Guidance, Grand Ballroom (Second Level), Los Angeles Marriott Hotel, p. 374</td>
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<tr>
<td>6:45-8:30 PM</td>
<td><strong>Town Meeting</strong></td>
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<td>Tumor Microenvironment Working Group Town Meeting and Reception, Concourse Ballroom (Second Level), Los Angeles Marriott Hotel, p. 374</td>
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**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