

8:00 AM-10:00 AM Basic Science-Clinical Interface Sessions: Pathways to Progress

Cancer Therapeutics, Ronald Levy, Chairperson, Room 6F, San Diego Convention Center, p. 69

DNA Damage and Repair, Leona D. Samson, Chairperson, Room 6C, San Diego Convention Center, p. 70

Targeting Akt in Cancer: Promise, Progress, and Potential Pitfalls, Phillip A. Dennis, Chairperson, Room 6A, San Diego Convention Center, p. 70

8:00 AM-10:00 AM Educational Sessions

Cancer Research in the Elderly, Lodovico Balducci, Chairperson, Room 6E, San Diego Convention Center, p. 71

Drug Resistance, Herbert M. Pinedo, Chairperson, Room 6B, San Diego Convention Center, p. 72

From Chemistry to the Clinic: Pathways for Drug Discovery and Development. Part 1: Early Discovery and Lead Generation, Arie Zask, Chairperson, Ballroom 20D, San Diego Convention Center, p. 72

Go/No-Go Decisions in Clinical Trials, Eric H. Rubin, Chairperson, Room 33A-C, San Diego Convention Center, p. 73

Modifiable Risk Factors for Cancer, Leslie Bernstein, Chairperson, Room 11A-B, San Diego Convention Center, p. 73

Serum Biomarkers, Samir N. Khleif, Chairperson, Room 6D, San Diego Convention Center, p. 74

8:00 AM-10:00 AM Methods Workshops

Imaging, Martin G. Pomper, Chairperson, Room 29A-D, San Diego Convention Center, p. 75

Molecular Analysis from Formalin-fixed Paraffin-embedded Tissue Blocks, Dennis C. Sgroi, Chairperson, Room 30A-C, San Diego Convention Center, p. 75

Translational Bioinformatics: Bytes to Bedside and Back, Gunaretnam Rajagopal, Chairperson, Room 31A-C, San Diego Convention Center, p. 76

8:30 AM-4:00 PM Professional Advancement Session

Third WICR Leadership Development Workshop: The Path of Women Who Lead, Tona M. Gilmer, Chairperson, San Diego Ballroom A, North Tower, San Diego Marriott Hotel, p. 77

10:00 AM-4:00 PM Career Fair

Cancer and Biomedical Career Fair, Sails Pavilion, Upper Level, San Diego Convention Center, p. 77

10:15 AM-12:15 PM Basic Science-Clinical Interface Sessions: Pathways to Progress

Met Therapeutics in Clinical Trials, George F. Vande Woude, Chairperson, Room 6C, San Diego Convention Center, p. 78

Targeting the Insulin-like Growth Factor (IGF) System as a Cancer Therapy, Douglas Yee, Chairperson, Room 6A, San Diego Convention Center, p. 78

TGF- β Blockade as Anticancer Therapy, Beverly A. Teicher, Chairperson, Room 6F, San Diego Convention Center, p. 79

10:15 AM-12:15 PM Educational Sessions

Cancer Susceptibility: Environment-Gene Interaction, Suzanne D. Conzen, Chairperson, Room 7A-B, San Diego Convention Center, p. 80

From Chemistry to the Clinic: Pathways for Drug Discovery and Development. Part 2: Kinase Target Discovery and Inhibitor Development, Matt V. Lorenzi, Chairperson, Ballroom 20D, San Diego Convention Center, p. 80

Hypoxia, Richard P. Hill, Chairperson, Room 29A-D, San Diego Convention Center, p. 81

Natural Products in Anticancer Drug Discovery, Sidney M. Hecht, Chairperson, Room 11A-B, San Diego Convention Center, p. 82

Understanding Transcription, Lorraine J. Gudas, Chairperson, Room 33A-C, San Diego Convention Center, p. 82

Saturday, April 12, 2008

10:15 AM-12:15 PM Methods Workshops

Molecular Cancer Epidemiology, Paolo Boffetta, Chairperson, Room 6D, San Diego Convention Center, p. 83

New Technologies for the Development of Preclinical Mouse Models of Cancer, Cory Abate-Shen, Chairperson, Room 6B, San Diego Convention Center, p. 83

Structure-based Drug Design: An Indispensable Tool for Anticancer Drug Discovery, William J. Welsh, Chairperson, Room 31A-C, San Diego Convention Center, p. 84

12:00 PM-4:00 PM Professional Advancement Session

AACR Undergraduate Student Caucus and Poster Competition, Marriott Hall Salon 3, San Diego Marriott Hotel, p. 85

12:00 PM-5:00 PM Professional Advancement Session

Eleventh Annual Grant Writing Workshop, Jeffrey M. Rosen and Stephen D. Hursting, Co-Chairpersons, Salon A-C, Level 4, Omni San Diego Hotel, p. 86

1:00 PM-3:00 PM Basic Science-Clinical Interface Sessions: Pathways to Progress

Epidermal Growth Factor Receptor as a Therapeutic Target: Basic Mechanisms to Clinical Findings, Jeffrey Settleman, Chairperson, Room 6B, San Diego Convention Center, p. 87

Folates, Ann L. Jackman, Chairperson, Room 6D, San Diego Convention Center, p. 87

The mTOR Pathway as a Cancer Target, Peter J. Houghton, Chairperson, Room 29A-D, San Diego Convention Center, p. 88

1:00 PM-3:00 PM Educational Sessions

Cell Death and Autophagy, Wafik S. El-Deiry, Chairperson, Room 7A-B, San Diego Convention Center, p. 89

Chronic Infection and Carcinogenesis: Biology and Application, Charles S. Rabkin, Chairperson, Room 31A-C, San Diego Convention Center, p. 89

From Chemistry to the Clinic: Pathways for Drug Discovery and Development. Part 3: Optimizing Drug Discovery: Insights on an Important Process, Michael J. Luzzio, Chairperson, Ballroom 20D, San Diego Convention Center, p. 90

Imaging the Tumor Microenvironment, Lynn M. Matrisian, Chairperson, Room 33A-C, San Diego Convention Center, p. 91

Personalized Medicine: Predictors of Response, Laura J. van't Veer, Chairperson, Room 11A-B, San Diego Convention Center, p. 91

Smoking, Exercise, and Diet in Cancer Survivors: Translational Research Opportunities, Jimmie C. Holland, Chairperson, Room 25A-C, San Diego Convention Center, p. 92

The Cancer Stem Cell Hypothesis: Biological and Clinical Implications, Max S. Wicha, Chairperson, Room 6A, San Diego Convention Center, p. 92

1:00 PM-3:00 PM Methods Workshops

Circulating Tumor Cells, Klaus Pantel, Chairperson, Room 30A-C, San Diego Convention Center, p. 93

Clinical Trial Design Workshop Part 1: A Journey from Classical to Innovative Approaches, J. Jack Lee and Lillian L. Siu, Co-Chairpersons, Room 6F, San Diego Convention Center, p. 93

Epigenomics, Peter A. Jones, Chairperson, Room 6C, San Diego Convention Center, p. 94

3:15 PM-5:15 PM Basic Science-Clinical Interface Sessions: Pathways to Progress

Her2, Nancy E. Hynes, Chairperson, Room 6A, San Diego Convention Center, p. 95

Mitosis Inhibitors, Pearl S. Huang, Chairperson, Room 29A-D, San Diego Convention Center, p. 95

Targeting the Proteasome Pathway, Julian Adams, Chairperson, Room 11A-B, San Diego Convention Center, p. 96

Targeting Tumor Angiogenesis: VEGF and Beyond, Gregory D. Plowman, Chairperson, Room 6B, San Diego Convention Center, p. 96

3:15 PM-5:15 PM Educational Sessions

Combination Therapy with Radiation, Bruce G. Haffty, Chairperson, Room 25A-C, San Diego Convention Center, p. 97

From Chemistry to the Clinic: Pathways for Drug Discovery and Development. Part 4: Chemical Development: Translating a Potent Agent into a Registered Product, Stephen A. Munk, Chairperson, Ballroom 20D, San Diego Convention Center, p. 97

Mechanisms of Site-specific Metastasis, Theresa A. Guise, Chairperson, Room 31A-C, San Diego Convention Center, p. 98

Pharmacogenomics, Robert B. Diasio, Chairperson, Room 7A-B, San Diego Convention Center, p. 98

Emerging Targets: Wnt, Notch, Sonic Hedgehog, Frederic J. de Sauvage, Chairperson, Room 30A-C, San Diego Convention Center, p. 99

The Role of Cellular Senescence in Tumorigenesis and Cancer Therapy, Laura D. Attardi, Chairperson, Room 6D, San Diego Convention Center, p. 99

Understanding Intraepithelial Neoplasia, Eva Szabo, Chairperson, Room 33A-C, San Diego Convention Center, p. 100

3:15 PM-5:15 PM Methods Workshops

Clinical Trial Design Workshop Part 2: A Journey from Classical to Innovative Approaches, J. Jack Lee and Lillian L. Siu, Co-Chairpersons, Room 6F, San Diego Convention Center, p. 101

Methods for the Study of MicroRNA Biology, Scott M. Hammond, Chairperson, Room 6C, San Diego Convention Center, p. 101

Nanotechnology and Cancer, Mauro Ferrari, Chairperson, Room 28A-C, San Diego Convention Center, p. 102

Pharmacokinetic Applications in Drug Development, Sharyn D. Baker and Alex Sparreboom, Co-Chairpersons, Room 6E, San Diego Convention Center, p. 102

5:30 PM-6:45 PM Lecture

Eleventh Annual AACR-Women in Cancer Research Charlotte Friend Memorial Lecture, Nancy E. Davidson, Room 6F, San Diego Convention Center, p. 103

5:30 PM-7:45 PM Professional Advancement Session

Roundtable: Careers in Clinical and Translational Cancer Research, Eric H. Rubin, Chairperson, San Diego Ballroom B, North Tower, San Diego Marriott Hotel, p. 104

Sunday, April 13, 2008

7:00 AM-8:00 AM

Meet-the-Expert Sessions

Cell Cycle in CNS Development and Cancer, Martine F. Roussel, Room 30A-C, San Diego Convention Center, p. 105

From Translation to Transformation: Control of mRNA Translation and Cancer, Christopher G. Proud, Room 33A-C, San Diego Convention Center, p. 105

Metabolism of Cell Growth: The Warburg Effect Revisited, Craig B. Thompson, Room 6B, San Diego Convention Center, p. 106

Modeling Cancer in the Mouse, Tyler E. Jacks, Room 6A, San Diego Convention Center, p. 106

Molecular Mechanisms Underlying Breast Tumor Heterogeneity, Kornelia Polyak, Room 6C, San Diego Convention Center, p. 107

Nitric Oxide: A Ubiquitous Molecule That Plays Multiple Roles in Cancer, Steven R. Tannenbaum and David A. Wink, Room 6E, San Diego Convention Center, p. 107

Oncology Clinical Trials for Drug Development: Challenges and Opportunities, David P. Schenkein, Room 11A-B, San Diego Convention Center, p. 107

Promotion of Inflammation-Associated Tumor Development through Retinoblastoma, Jean Y. J. Wang, Room 31A-C, San Diego Convention Center, p. 107

Proteomic Biomarkers: New Technology, New Dimensions of Information, Lance A. Liotta, Room 6F, San Diego Convention Center, p. 108

Targeting Apoptosis for Cancer Therapy, John C. Reed, Room 29A-D, San Diego Convention Center, p. 108

Telomeres and Telomerase Therapeutics, Woodring E. Wright, Room 7A-B, San Diego Convention Center, p. 108

The Changing Pattern of Cancer Incidence, Mortality, and Survival, Kee Seng Chia, Room 25A-C, San Diego Convention Center, p. 108

The Kinome and Development of Protein Kinase Inhibitors, Tony Hunter, Room 6D, San Diego Convention Center, p. 108

7:00 AM-8:00 AM

NCI/NIH-Sponsored Session

NIH Grants: Changes in Review and Funding Opportunities, Suresh Mohla, Moderator, Room 10, San Diego Convention Center, p. 109

8:00 AM-12:00 PM

Poster Sessions

Exhibit Hall B-F, San Diego Convention Center

CB 1 Epigenetic Alterations in Cancer: Causes and Consequences, Poster Section 1, p. 110

CB 2 Epigenetic Profiling, Poster Section 2, p. 111

CB 3 Gene Regulation and Promoter Studies, Poster Section 3, p. 112

CB 4 Growth Control: Gene Regulation, Poster Section 4, p. 113

CB 5 Oncogenic Receptor Pathways, Poster Section 5, p. 114

CB 6 Post-translational Control of Gene Expression and Gene Silencing, Poster Section 6, p. 115

CB 7 Somatic Genetic Approaches to Cancer Gene Identification, Poster Section 7, p. 116

CL 1 Phase I Clinical Trials and Clinical Pharmacology 1/Novel Trial Designs, Poster Section 8, p. 117

CL 2 Phase I Clinical Trials and Clinical Pharmacology 2, Poster Section 9, p. 118

IM 1 Immune Biology/Tumor Microenvironment, Poster Section 10, p. 119

TB 1 Antiangiogenesis, Poster Section 12, p. 120

TB 2 Cell Surface and Signaling Changes Impacting Tumor Development and Progression, Poster Section 13, p. 121

TB 3 Genetic Modifiers of Metastasis, Poster Section 14, p. 122

TB 4 Inhibition of Angiogenesis and Targets for Inhibition, Poster Section 15, p. 123

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

- TB 5 **New Models for Studying Metastasis**, Poster Section 16, p. 124
- TB 6 **Radiosensitizing Agents**, Poster Section 17, p. 125
- TB 7 **Tumor/Host Interactions, Angiogenesis, and Metastasis**, Poster Section 18, p. 126
- PR 1 **Cancer Prevention 1**, Poster Section 22, p. 127
- PR 2 **Preclinical Prevention Studies: Biomarkers and Prevention**, Poster Section 23, p. 128
- EP 1 **Biomarkers of DNA Damage and Repair, Exposure, and Phenotype 1**, Poster Section 24, p. 129
- EP 2 **Molecular Markers and Phenotypes**, Poster Section 25, p. 130
- CG 1 **Mechanisms of DNA Damage and Carcinogenesis**, Poster Section 26, p. 131
- CH 1 **Natural Products**, Poster Section 28, p. 132
- ET 1 **DNA Damage and the Cell Cycle**, Poster Section 29, p. 133
- ET 2 **Drug Resistance 1: Cellular Mechanisms**, Poster Section 30, p. 134
- ET 3 **Drug Resistance 2: Platinum Agents and Taxanes**, Poster Section 31, p. 135
- ET 4 **Histone Deacetylase Inhibitors and Cell Cycle Inhibitors**, Poster Section 32, p. 136
- ET 5 **Topoisomerase I and II Targeting Agents**, Poster Section 33, p. 137

8:00 AM-12:00 PM Late-Breaking Poster Session

Exhibit Hall B-F, San Diego Convention Center

Late-Breaking Research: Epidemiology, Poster Section 19, p. 109

8:15 AM-9:00 AM Award Presentations

Second Annual AACR-Margaret Foti Award for Leadership and Extraordinary Achievements in Cancer Research, Hall G-H, San Diego Convention Center, p. 138

Second Annual AACR Team Science Award, Hall G-H, San Diego Convention Center, p. 139

Fifth Annual AACR Lifetime Achievement Award, Hall G-H, San Diego Convention Center, p. 140

Landon Foundation-AACR INNOVATOR Award for Cancer Prevention Research, Hall G-H, San Diego Convention Center, p. 141

Landon Foundation-AACR INNOVATOR Award for International Collaboration in Cancer Research, Hall G-H, San Diego Convention Center, p. 141

AACR Centennial Medals for Distinguished Public Service, Hall G-H, San Diego Convention Center, p. 142

9:00 AM-12:00 PM Opening Plenary Session

Eileen P. White, Chairperson, Hall G-H, San Diego Convention Center, p. 144

12:00 PM-1:00 PM Lecture

Eleventh Annual Pezcoller Foundation-AACR International Award for Cancer Research Lecture, Axel Ullrich, Hall G-H, San Diego Convention Center, p. 147

12:00 PM-3:00 PM New Concepts in Organ Site Research

Pancreatic Cancer: Recent Progress and Current Challenges, David A. Tuveson and Daniel D. Von Hoff, Co-Chairpersons, Room 6C, San Diego Convention Center, p. 148

Sunday, April 13, 2008

12:15 PM - 2:30 PM **New Concepts in Organ Site Research**

Triple Negative Breast Cancer, Joan S. Brugge and Nancy E. Davidson, Co-Chairpersons, Room 29A-D, San Diego Convention Center, p. 149

12:30 PM-2:00 PM **Science Policy Forum**

The Future of Chemoprevention: Regulatory Challenges and Public Attitudes, Raymond N. DuBois, Chairperson, Room 24A-C, San Diego Convention Center, p. 150

12:30 PM - 2:30 PM **New Concepts in Organ Site Research**

A Paradigm Rift in Myelodysplastic Syndromes: New Insights Range From Bench to Bedside, Jean-Pierre Issa and Azra Raza, Co-Chairpersons, Room 7A-B, San Diego Convention Center, p. 150

12:30 PM-3:00 PM **New Concepts in Organ Site Research**

Functional Genomics and Therapeutic Targets in Liver Cancer, Snorri S. Thorgeirsson and Susan L. Kelley, Co-Chairpersons, Room 6F, San Diego Convention Center, p. 151

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

Decisions at the Phase II/Phase III Interface, David R. Spriggs, Moderator, Ballroom 20D, San Diego Convention Center, p. 152

Cure or Containment Strategies in Treating Multiple Myeloma Entities, Bart Barlogie, Moderator, Room 6B, San Diego Convention Center, p. 152

Targeted Therapy for Personalized Cancer Care: Matching the Economics to Evolving Science, Kapil Dhingra, Moderator, Room 6E, San Diego Convention Center, p. 152

What Causes Cancer?, John D. Groopman, Moderator, Room 6A, San Diego Convention Center, p. 152

1:00 PM-3:00 PM **Drug Development Track Special Session 1**

New Drugs on the Horizon 1, Emma M. Lees and Steven K. Davidsen, Co-Chairpersons, Ballroom 20A-C, San Diego Convention Center, p. 153

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

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Late-Breaking Research: Cellular and Molecular Biology 1, Poster Section 18, p. 183

Late-Breaking Research: Cellular and Molecular Biology 2, Poster Section 19, p. 183

Late-Breaking Research: Clinical Research 1: Phase I-III Clinical Trials, Poster Section 20, p. 183

Late-Breaking Research: Tumor Biology 1, Poster Section 21, p. 183

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

Exhibit Hall B-F, San Diego Convention Center

CB 8 Computational Systems Biology Applications and Resources, Poster Section 1, p. 154

CB 9 Death Receptor and XIAP Antagonist Induced Apoptosis, Poster Section 2, p. 155

CB 10 DNA Damage and Repair, Poster Section 3, p. 156

CB 11 Signaling Pathways That Regulate Gene Expression, Poster Section 4, p. 157

CB 12 Therapeutic Implications of Oncogenic Pathways 1, Poster Section 5, p. 158

CB 13 Translational and Functional Genomics, Poster Section 6, p. 159

CL 3 Biomarkers for Diagnosis and Detection, Poster Section 7, p. 160

CL 4 Prognostic Biomarkers 1, Poster Section 8, p. 161

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

- CL 5 **Radiation Oncology**, Poster Section 9, p. 162
- IM 2 **Tumor Immunobiology**, Poster Section 10, p. 163
- EP 3 **Environmental, Occupational, and Drug Exposures**, Poster Section 11, p. 164
- TB 8 **Endothelial Cell Activation and Signaling in Tumorigenesis**, Poster Section 12, p. 165
- TB 9 **Inhibition of Angiogenesis 1**, Poster Section 13, p. 166
- TB 10 **Proteases and Protease Inhibition**, Poster Section 14, p. 167
- TB 11 **Targeting Cancer Metastasis for Therapeutic Intervention**, Poster Section 15, p. 168
- TB 12 **Therapies Affecting Tumor Progression**, Poster Section 16, p. 169
- EN 1 **Molecular Endocrinology of Solid Malignancies 1**, Poster Section 17, p. 170
- PR 3 **Cancer Prevention 2**, Poster Section 22, p. 171
- CH 2 **Drug Discovery: Screening, Rational Design, and DMPK**, Poster Section 23, p. 172
- CH 3 **New Modulators of Enzymes, DNA, and Protein Interactions**, Poster Section 24, p. 173
- ET 6 **Biological Therapy Combinations**, Poster Section 25, p. 174
- ET 7 **Gene Therapy 1**, Poster Section 26, p. 175
- ET 8 **Gene Therapy 2**, Poster Section 27, p. 176
- ET 9 **Inhibition of Microtubule Function**, Poster Section 28, p. 177
- ET 10 **mTOR/Akt/PI3K Inhibitors and Vascular/Hypoxia Targeting Agents**, Poster Section 29, p. 178
- ET 11 **Radiation Effects: DNA Repair and Predictive Markers**, Poster Section 30, p. 179
- ET 12 **Signal Transduction**, Poster Section 31, p. 180
- ET 13 **Targeting Novel Aspects of Tumor Biology**, Poster Section 32, p. 181
- ET 14 **Targets and Screening Approaches**, Poster Section 33, p. 182

1:30 PM-2:30 PM **NCI/NIH-Sponsored Session**

NCI Supported Extramural Research Training and Career Development Opportunities, Room 10, San Diego Convention Center, p. 184

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

Annual Forum for Early-Career Scientists, Room 23A-C, San Diego Convention Center, p. 184

2:00 PM-4:00 PM **Special Session**

Special Session on the AACR-FDA-NCI Cancer Biomarkers Collaborative, William N. Hait, Samir N. Khleif, and James H. Doroshow, Co-Chairpersons, Room 28A-C, San Diego Convention Center, p. 185

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

- CB 14 **Programmed Cell Death in Tumorigenesis and Therapy**, Roya Khosravi-Far and Simone Fulda, Co-Chairpersons, Room 11A-B, San Diego Convention Center, p. 186
- CB 15 **Therapeutic Implications of Gene Regulatory Mechanisms**, Stephen D. Nimer and Ari M. Melnick, Co-Chairpersons, Room 30A-C, San Diego Convention Center, p. 186
- EN 2 **Molecular Pathways for Sex Hormone Signaling in Breast and Prostate Cancer**, John T. Isaacs and Natasha Kyprianou, Co-Chairpersons, Room 24A-C, San Diego Convention Center, p. 187
- ET 15 **Small Molecule Inhibitors of Novel Targets**, Manish A. Shah and Elisabeth I. Heath, Co-Chairpersons, Room 33A-C, San Diego Convention Center, p. 187
- PR 4 **Biomarkers in Cancer Prevention**, Monica M. Bertagnolli and David Sidransky, Co-Chairpersons, Room 31A-C, San Diego Convention Center, p. 188
- TB 13 **Molecular Basis for Organ-specific Metastasis**, Brunhilde Felding-Habermann and Andrea M. Mastro, Co-Chairpersons, Room 25A-C, San Diego Convention Center, p. 188
- TB 14 **Pediatric Cancer 1**, John M. Maris and Peter J. Houghton, Co-Chairpersons, Room 6D, San Diego Convention Center, p. 189

Sunday, April 13, 2008

3:15 PM-5:15 PM Drug Development Track Special Session 2

New Drugs on the Horizon 2, Matthew A. Marx and Sara A. Courtneidge, Co-Chairpersons, Ballroom 20A-C, San Diego Convention Center, p. 190

3:15 PM-5:15 PM Symposia

c-Met Signaling and Human Cancer, George F. Vande Woude, Chairperson, Room 6F, San Diego Convention Center, p. 191

Cancer Genomics, Joseph R. Nevins and Michael R. Stratton, Co-Chairpersons, Room 6B, San Diego Convention Center, p. 191

Cancer Stem Cells: The Bayard D. Clarkson Symposium on Stem Cells and Cancer, Max S. Wicha and Jeremy N. Rich, Co-Chairpersons, Ballroom 20D, San Diego Convention Center, p. 192

Immune Evasion and Surveillance, Robert D. Schreiber and Glenn Dranoff, Co-Chairpersons, Room 6C, San Diego Convention Center, p. 192

Metabolism and Cancer, Craig B. Thompson, Chairperson, Room 29A-D, San Diego Convention Center, p. 193

Targeting Chromatin-modifying Proteins, Victoria M. Richon, Chairperson, Room 6A, San Diego Convention Center, p. 193

4:15 PM-5:30 PM Lecture

Third Annual AACR-Minorities in Cancer Research Jane Cooke Wright Lecture, Arthur Gutierrez-Hartmann, Room 6E, San Diego Convention Center, p. 194

5:30 PM-6:30 PM Lecture

Second Annual AACR Award for Outstanding Achievement in Chemistry in Cancer Research Lecture, Steven R. Tannenbaum, Ballroom 20A-C, San Diego Convention Center, p. 195

5:30 PM-6:30 PM Meet-the-Expert Sessions

Cancer Prevention: What Does the Future Hold?, Raymond N. DuBois, Room 6B, San Diego Convention Center, p. 196

Castration-resistant Prostate Cancer, Christopher J. Logothetis, Room 6C, San Diego Convention Center, p. 196

Molecular Diversity of Human Breast Cancer: Clinical and Therapeutic, Dennis J. Slamon, Ballroom 20D, San Diego Convention Center, p. 196

Molecularly Targeted Radiosensitization and Protection, Theodore S. Lawrence, Room 6F, San Diego Convention Center, p. 197

Understanding the p53 Pathway to Produce More Effective Targeted Therapeutics, Geoffrey M. Wahl, Room 6A, San Diego Convention Center, p. 197

5:30 PM-6:30 PM Town Meeting

WICR Member Caucus, Room 6D, San Diego Convention Center, p. 198

6:30 PM-8:30 PM Professional Advancement Session

Getting the Job: Effectively Communicating Your Research, Mace L. Rothenberg, Chairperson, Salon A-C, Level 4, Omni San Diego Hotel, p. 198

6:45 PM-8:30 PM Town Meetings

Chemistry in Cancer Research Working Group Town Meeting and Reception, John T. Hunt and Stephen S. Hecht, Co-Chairpersons, Salon C, Level 4, Omni San Diego Hotel, p. 199

Tumor Microenvironment Working Group Town Meeting and Reception, Lynn M. Matrisian, Chairperson, Salon D-E, Level 4, Omni San Diego Hotel, p. 199

9:00 PM-11:30 PM Annual Reception

Marriott Hall, North Tower, San Diego Marriott Hotel, p. 199

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

Cancer Survivorship, Leslie L. Robison, Room 30D-E, San Diego Convention Center, p. 201

The What, Why, When, and How of p53-mediated Tumor Suppression, Gerard I. Evan, Room 29A-D, San Diego Convention Center, p. 201

Epithelial-Mesenchymal Transition: Molecular Mechanisms and Translational Implications, Philip N. Tschlis, Room 7A-B, San Diego Convention Center, p. 201

Expanding the Druggable Cancer Genome: Combinatorial Effects on Oncogenic Pathways by Inhibitors of PI3 Kinase and Hsp90, Paul Workman, Room 6B, San Diego Convention Center, p. 202

Exploiting Tumor Hypoxic Stress for Cancer Therapy, Garth Powis, Room 30A-C, San Diego Convention Center, p. 202

Food-based Approaches to Cancer Prevention, Gary D. Stoner, Room 28A-C, San Diego Convention Center, p. 202

Fragment Based Drug Discovery, David Rees, Room 11A-B, San Diego Convention Center, p. 203

From Sensitizing to Prediction of Radiation Treatment Outcome in Humans, Harry Bartelink, Room 24A-C, San Diego Convention Center, p. 203

Linking the Cellular Functions of the BRCA Breast Cancer Genes to Cancer Pathogenesis and Therapy, Ashok R. Venkitaraman, Room 33A-C, San Diego Convention Center, p. 203

Mechanisms and Therapeutic Targeting of the Angiogenic Switch, Douglas Hanahan, Room 6C, San Diego Convention Center, p. 203

Mouse Intervention Models for Mesotheliomas and Lung Cancer, Anton J. Berns, Room 6E, San Diego Convention Center, p. 204

Pharmacogenetics: Opportunities for Patient-tailored Anticancer Therapy, Jan H. M. Schellens, Room 25A-C, San Diego Convention Center, p. 204

PI3 Kinase and Cancer, Lewis C. Cantley, Room 6A, San Diego Convention Center, p. 204

Pro-senescence Therapy for Cancer, Pier Paolo Pandolfi, Room 6F, San Diego Convention Center, p. 204

Stem Cell Transplantation: Models for Effective Tumor Immunity, Jerome Ritz, Room 23A-C, San Diego Convention Center, p. 205

Transcription Elongation and Histone Methylation Mechanisms in Cancer, Katherine A. Jones, Room 32A-B, San Diego Convention Center, p. 205

Translational Control of Cancer, Nahum Sonenberg, Room 31A-C, San Diego Convention Center, p. 205

8:00 AM-8:30 AM **Lecture**

AACR-Gertrude B. Elion Award Lecture, Kent W. Christopherson II, Room 11A-B, San Diego Convention Center, p. 206

8:00 AM-12:00 PM **Late-Breaking Poster Sessions**

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Late-Breaking Research: Immunology 1, Poster Section 20, p. 236

8:00 AM-12:00 PM **Poster Sessions**

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CB 17 Cancer Genomics 1: Genomic Profiling I, Poster Section 2, p. 208

CB 18 Cancer Genomics 2: Genomic Profiling II, Poster Section 3, p. 209

CB 19 Cancer Genomics 3: Genomic Profiling III, Poster Section 4, p. 210

CB 20 DNA Damage and Hypoxia: Regulators of Gene Expression, Poster Section 5, p. 211

Monday, April 14, 2008

- CB 21 **New Oncogene and Tumor Suppressor Pathways**, Poster Section 6, p. 212
- CB 22 **Novel Biomarkers for Tumor Detection and Progression**, Poster Section 7, p. 213
- CB 23 **p53, Telomerase, and Senescence**, Poster Section 8, p. 214
- CB 24 **Stress Responses**, Poster Section 9, p. 215
- EP 4 **Biomarkers of DNA Damage and Repair, Exposure, and Phenotype 2**, Poster Section 10, p. 216
- EP 5 **Genetic Epidemiology 1: Breast and Ovarian Cancer**, Poster Section 11, p. 217
- TB 15 **Pancreatic Cancer: Molecular Determinants**, Poster Section 12, p. 218
- TB 16 **Role of Integrins and Extracellular Matrix in Tumor Progression**, Poster Section 13, p. 219
- TB 17 **Signaling Molecules Affecting Tumor Cell Mobility, Invasion, and Metastasis**, Poster Section 14, p. 220
- TB 18 **Stem Cells in Hormone-Dependent Cancers: Breast, Prostate, and Ovarian**, Poster Section 15, p. 221
- TB 19 **Tumor Hypoxia, HIF-1 Inhibition**, Poster Section 16, p. 222
- IM 3 **Immune Modulation 1**, Poster Section 17, p. 223
- PR 5 **Cancer Prevention 3**, Poster Section 22, p. 224
- CL 6 **Antibodies and Immunotherapy**, Poster Section 23, p. 225
- CL 7 **Molecular Correlates 1**, Poster Section 24, p. 226
- CL 8 **Molecular Correlates 2**, Poster Section 25, p. 227
- CG 2 **Signal Transduction Pathways and Tumor Promotion**, Poster Section 26, p. 228
- CH 4 **Chemical Aspects of Carcinogenesis**, Poster Section 27, p. 229
- ET 16 **Apoptosis**, Poster Section 28, p. 230
- ET 17 **Drug Discovery 1**, Poster Section 29, p. 231
- ET 18 **New Agents and Therapeutic Approaches**, Poster Section 30, p. 232

- ET 19 **New Targets 1: Mechanisms**, Poster Section 31, p. 233
- ET 20 **New Targets 2: Validation**, Poster Section 32, p. 234
- ET 21 **Novel Biological Therapy Agents**, Poster Section 33, p. 235

8:15 AM-9:15 AM Presidential Address

William N. Hait, Hall G-H, San Diego Convention Center, p. 237

8:30 AM-10:30 AM New Concepts in Organ Site Research

What Is New in Molecular Biology and Therapeutics in Chronic Lymphocytic Leukemia, Carlo M. Croce and Kanti R. Rai, Co-Chairpersons, Room 11A-B, San Diego Convention Center, p. 238

Human Tumor Viruses and Lymphoma, Richard F. Ambinder and Lee Ratner, Co-Chairpersons, Room 6C, San Diego Convention Center, p. 238

New Concepts in Gastric Cancer, Yoshiaki Ito and Benjamin C. Y. Wong, Co-Chairpersons, Room 6F, San Diego Convention Center, p. 239

Sarcoma Biology and Targeted Therapeutics, Jonathan A. Fletcher and Robert G. Maki, Co-Chairpersons, Room 29A-D, San Diego Convention Center, p. 239

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Bench to Bedside Studies of Erythropoiesis Stimulating Agents in Cancer, Kenneth C. Anderson, Moderator, Room 6B, San Diego Convention Center, p. 240

Mitotic Catastrophe: A Therapeutic Goal?, Igor B. Roninson, Moderator, Room 6A, San Diego Convention Center, p. 240

Regulatory Issues Related to Biomarker Development, Steven I. Gutman, Moderator, Ballroom 20D, San Diego Convention Center, p. 240

Category Codes for Poster Sessions and Minisymposia

CB = Cellular and Molecular Biology; CG = Carcinogenesis;
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9:00 AM-2:30 PM Professional Advancement Session

AACR Special Program for High School Students: The Conquest of Cancer and the Next Generation, Stewart Sell, Chairperson, Room 28A-C, San Diego Convention Center, p. 241

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Advances in Molecular Genetic Analyses of Familial Cancer Syndromes: Ethical Dilemmas Stimulated by Scientific Progress, Walter Wolf and Lowell E. Schnipper, Co-Chairpersons, Room 32A-B, San Diego Convention Center, p. 243

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- CB 25 Basic Aspects of Gene Regulation in Cancer**, Kathleen M. Sakamoto and Dong-Er Zhang, Co-Chairpersons, Room 33A-C, San Diego Convention Center, p. 244
- CH 5 Proteomics Applied to Cancer Diagnosis and Treatment**, Evelyn M. McKeegan and Daniel C. Liebler, Co-Chairpersons, Room 30D-E, San Diego Convention Center, p. 244
- ET 22 Histone Deacetylase and Heat Shock Protein Inhibitors**, Kapil N. Bhalla and Pamela N. Munster, Co-Chairpersons, Room 24A-C, San Diego Convention Center, p. 245
- ET 23 Molecular Mechanisms of Drug Resistance**, Peter J. O'Dwyer and Susan E. Bates, Co-Chairpersons, Room 25A-C, San Diego Convention Center, p. 245
- IM 4 Tumor Microenvironment**, George Coukos and Ivan Borello, Co-Chairpersons, Room 7A-B, San Diego Convention Center, p. 246
- TB 20 Genes Regulating Cancer Metastasis**, Carrie W. Rinker-Schaeffer and Dan Theodorescu, Co-Chairpersons, Room 31A-C, San Diego Convention Center, p. 246

TB 21 Inhibition of Angiogenesis 2: New Targets and Resistance, Kari K. Alitalo and Michael O'Reilly, Co-Chairpersons, Room 30A-C, San Diego Convention Center, p. 247

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MICR Forum: Minority Institution/Cancer Center Partnership (MI/CCP) Program, Sanya Springfield, Chairperson, Room 23A-C, San Diego Convention Center, p. 248

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The Cancer Biomedical Informatics Grid™ (caBIG™) in Action: A Real-time Demonstration of Interoperable Cancer Research Tools, Room 10, San Diego Convention Center, p. 249

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- Apoptosis: Basic and Therapeutic Advances**, Douglas R. Green, Chairperson, Room 29A-D, San Diego Convention Center, p. 250
- Chemoprevention in the Era of Personalized Medicine: Recent Advances**, Michael B. Sporn and Ernest T. Hawk, Co-Chairpersons, Room 6F, San Diego Convention Center, p. 250
- Integrative Analysis of the Cancer Genome**, Lynda Chin, Chairperson, Ballroom 20A-C, San Diego Convention Center, p. 251
- Receptor Tyrosine Kinases**, Carlos L. Arteaga, Chairperson, Room 6A, San Diego Convention Center, p. 251
- Ruth Sager Memorial Symposium on Cancer Genetics and Epigenetics: Progress in Epigenetics and Epigenomics**, Manel Esteller, Chairperson, Room 6B, San Diego Convention Center, p. 252
- Targeted Therapy: How Do We Design Rational Combinations?**, Thomas J. Lynch, Chairperson, Room 6C, San Diego Convention Center, p. 252
- Targeting the Proteasome Pathway**, Kenneth C. Anderson and Julian Adams, Co-Chairpersons, Ballroom 20D, San Diego Convention Center, p. 253

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Advances in Thyroid Cancer Genetics, Biology, and Targeted Therapy, James A. Fagin and Susan J. Mandel, Co-Chairpersons, Room 32A-B, San Diego Convention Center, p. 255

Genetics, Genomics, and Treatment of Lymphomas, Louis M. Staudt and Franco Cavalli, Co-Chairpersons, Room 6F, San Diego Convention Center, p. 255

New Concepts in Lung Cancer: From Bench to Bedside and Beyond, William Pao and Thomas J. Lynch, Co-Chairpersons, Room 6C, San Diego Convention Center, p. 256

Pushing the State-of-the-Art in Ovarian Cancer, Joe W. Gray and Setsuko K. Chambers, Co-Chairpersons, Room 29A-D, San Diego Convention Center, p. 256

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Translational Control of Cancer, Davide Ruggero and Nahum Sonenberg, Co-Chairpersons, Room 33A-C, San Diego Convention Center, p. 258

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CG 3 Molecular Mechanisms of Carcinogenesis, S. Perwez Hussain and Qingming Fang, Room 23A-C, San Diego Convention Center, p. 259

CB 26 Cell Surface Receptors in Cancer Initiation and Progression, Richard M. Marais and Susan E. Waltz, Room 24A-C, San Diego Convention Center, p. 259

CB 27 Mechanisms Underlying Epigenetic Alterations in Cancer, Jean-Pierre Issa and Joseph F. Costello, Co-Chairpersons, Room 7A-B, San Diego Convention Center, p. 260

CL 9 Clinical Immunotherapy, Jedd D. Wolchok and Edmund C. Lattime, Co-Chairpersons, Room 30A-C, San Diego Convention Center, p. 260

ET 24 New Approaches to Biological Therapy, Louis M. Weiner and Philip E. Thorpe, Co-Chairpersons, Room 25A-C, San Diego Convention Center, p. 261

ET 25 Novel Mechanisms of Drug Action, Steven Grant and Neal Rosen, Co-Chairpersons, Room 11A-B, San Diego Convention Center, p. 261

TB 22 New Targets for the Therapy of Metastasis, Quentin R. Smith and Chris H. Takimoto, Co-Chairpersons, Room 28A-C, San Diego Convention Center, p. 262

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- CB 29 **Epigenetic Therapy**, Poster Section 2, p. 264
- CB 30 **Epigenetics of Cancer: Clinical Implications**, Poster Section 3, p. 265
- CB 31 **Experimental Therapy 1**, Poster Section 4, p. 266
- CB 32 **Experimental Therapy 2**, Poster Section 5, p. 267
- CB 33 **Metabolism of Cancer**, Poster Section 6, p. 268
- CB 34 **Signal Transduction and Therapeutics**, Poster Section 7, p. 269
- CB 35 **Tumor Suppressor Pathways**, Poster Section 8, p. 270
- CL 10 **Novel Drug Targets, Agents, and Mechanisms**, Poster Section 9, p. 271
- CL 11 **Tumor Vaccines**, Poster Section 10, p. 272
- IM 5 **Tumor Vaccines 1**, Poster Section 11, p. 273
- TB 23 **Cell Adhesion and Cytoskeleton**, Poster Section 12, p. 274
- TB 24 **Genetically Engineered Models to Study Breast and Prostate Cancers and Cell Responses to Treatment**, Poster Section 13, p. 275
- TB 25 **New Models 1: Gastrointestinal, Liver, Skin, Squamous Cell Carcinoma, and Neurofibroma**, Poster Section 14, p. 276
- TB 26 **New Models 2: Leukemia, Mammary, Ovarian, Lung, and Renal Cancer**, Poster Section 15, p. 277
- TB 27 **Pediatric Cancer 2**, Poster Section 16, p. 278
- EN 3 **Molecular Endocrinology of Solid Malignancies 2**, Poster Section 17, p. 279
- PR 6 **Cancer Prevention 4**, Poster Section 22, p. 280
- EP 6 **Diet, Physical Activity, and Body Mass Index**, Poster Section 23, p. 281
- EP 7 **Genetic Epidemiology 2: Colon, Prostate, and Lung Cancer**, Poster Section 24, p. 282
- CG 4 **Reactive Species and Hormonal Factors in Carcinogenesis**, Poster Section 25, p. 283

- CH 6 **Imaging Agents and Radiotherapeutics**, Poster Section 26, p. 284
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- ET 26 **Drug Resistance 3: Cell Death**, Poster Section 28, p. 286
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- ET 28 **Inhibitors of the Proteasome, Ubiquitination, and NF- κ B**, Poster Section 30, p. 288
- ET 29 **Novel Small Molecules and Novel Targets**, Poster Section 31, p. 289
- ET 30 **Novel Targets and Mechanisms 1**, Poster Section 32, p. 290
- ET 31 **Novel Targets and Mechanisms 2**, Poster Section 33, p. 291

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NIH Grant Process and Opportunities for Cancer Research Funding at NIH, Phuong Kim Pham, Chairperson, Room 10, San Diego Convention Center, p. 294

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Genome-Wide Analysis of Germline Genetic and Epigenetic Variation, Bruce A. Ponder, Chairperson, Room 31A-C, San Diego Convention Center, p. 296

Resistance to Targeted Agents, Jeffrey Settleman and Charles L. Sawyers, Co-Chairpersons, Room 29A-D, San Diego Convention Center, p. 296

Senescence and Cancer, Scott W. Lowe, Chairperson, Room 6B, San Diego Convention Center, p. 297

Structure-Based Approaches to Kinase Inhibitors, William A. Denny, Chairperson, Room 6C, San Diego Convention Center, p. 297

Targeting Transcription, Chi Van Dang, Chairperson, Ballroom 20D, San Diego Convention Center, p. 298

Tumor Microenvironment Interactions, George D. Yancopoulos and Joan S. Brugge, Co-Chairpersons, Room 6A, San Diego Convention Center, p. 298

3:30 PM-4:30 PM Professional Advancement Session

Getting Funded in Today's Climate Doing Multidisciplinary Cancer Research, James R. Cerhan and James S. Felton, Co-Chairpersons, Room 6F, San Diego Convention Center, p. 299

3:30 PM-5:00 PM Science Policy Forum

Cancer Research Funding: Alternative Models and Resources, Anna D. Barker and Ellen V. Sigal, Co-Chairpersons, Room 30D-E, San Diego Convention Center, p. 299

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Technology Transfer: Financial and Career Opportunities for Researchers, Phuong Kim Pham, Chairperson, Room 10, San Diego Convention Center, p. 299

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Seventh Annual Kirk A. Landon-AACR Prize for Basic Cancer Research Lecture, Arnold J. Levine, Hall G-H, San Diego Convention Center, p. 300

5:00 PM-6:30 PM Town Meeting

MICR Town Meeting, Duane T. Smoot, Chairperson, Marriott Hall Salon 3, San Diego Marriott Hotel, p. 301

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Cancer Immunology Working Group Town Meeting and Reception, Columbia 1-3, North Tower, San Diego Marriott Hotel, p. 302

5:30 PM-6:30 PM Lecture

Seventh Annual Dorothy P. Landon-AACR Prize for Translational Cancer Research Lecture, John Mendelsohn, Hall G-H, San Diego Convention Center, p. 303

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Molecular Epidemiology Working Group Town Meeting and Reception, John D. Groopman and Paolo Boffetta, Co-Chairpersons, Salon C-E, Level 4, Omni San Diego Hotel, p. 304

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Exploring Career Options: Beyond the Bench or Bedside, Sara A. Courtneidge, Moderator, Salon A-B, Level 4, Omni San Diego Hotel, p. 305

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MICR Professional Advancement Reception and Roundtable: Navigating the Road to a Successful Career in Cancer Research, Eddie Reed and Jessie A. Satia, Co-Chairpersons, Marriott Hall Salon 4, San Diego Marriott Hotel, p. 306

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WICR Leila Diamond Networking Breakfast, Salon C-E, Level 4, Omni San Diego Hotel, p. 309

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Biological Properties of Cancer Stem Cells, Pier G. Pelicci, Room 6D, San Diego Convention Center, p. 310

Blocking Growth Factor Pathways to Inhibit Lymphatic Metastasis, Kari K. Alitalo, Room 6E, San Diego Convention Center, p. 310

Cancer Development and the Functions of AP-1 (Fos/Jun), Erwin F. Wagner, Room 28A-C, San Diego Convention Center, p. 311

Clinical and Translational Data in Breast Cancer: What's New? What's Next?, Edith A. Perez, Room 23A-C, San Diego Convention Center, p. 311

DNA Damage Checkpoints: Mechanisms, Live-Cell Imaging, and Roles as an Anticancer Barrier and Determinant of Treatment Outcome, Jiri Bartek, Room 30A-C, San Diego Convention Center, p. 311

Molecular Targeted Therapy in Endometrial Cancer: Rationale and Results with mTOR Inhibitors, Elizabeth A. Eisenhauer, Room 25A-C, San Diego Convention Center, p. 312

New Frontiers in Protein Therapeutics: Beyond Monoclonal Antibodies, Parul D. Doshi, Room 33A-C, San Diego Convention Center, p. 312

NF- κ B: Regulation and Function, Inder Verma, Room 6F, San Diego Convention Center, p. 312

Recent Development in Breast Cancer Progression and Metastasis, Mien-Chie Hung, Room 31A-C, San Diego Convention Center, p. 312

Targeting DNA Topoisomerase I and Beyond, Yves G. Pommier, Room 24A-C, San Diego Convention Center, p. 313

The Evolution of Cancer Drugs from Kinase Inhibitors, Judith S. Sebolt-Leopold, Room 11A-B, San Diego Convention Center, p. 313

The Retinoblastoma Protein Tumor Suppressor Pathway, Jacqueline A. Lees, Room 7A-B, San Diego Convention Center, p. 313

Using Functional Genomics and Experimental Models for Cancer Target Discovery and Validation, William C. Hahn, Room 29A-D, San Diego Convention Center, p. 313

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Forty-Eighth Annual AACR-G.H.A. Clowes Memorial Award Lecture, John E. Dick, Hall G-H, San Diego Convention Center, p. 314

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

Breast Cancer: Translation of Recent Basic Research Findings into the Clinic, Charles M. Perou and Dennis J. Slamon, Co-Chairpersons, Room 29A-D, San Diego Convention Center, p. 315

Colorectal Cancer: Hot Topics from Bench to Bed, Sanford D. Markowitz and Neal J. Meropol, Co-Chairpersons, Room 6F, San Diego Convention Center, p. 315

Genetic Basis of Kidney Cancer: Unique Opportunity for Disease Specific Therapy, P. Andrew Futreal and W. Marston Linehan, Co-Chairpersons, Room 6C, San Diego Convention Center, p. 316

The Biological Basis for Future Treatment of Malignant Glioma, Ronald A. DePinho and Howard A. Fine, Co-Chairpersons, Room 11A-B, San Diego Convention Center, p. 316

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- CB 37 **Apoptotic Signaling**, Poster Section 2, p. 318
- CB 38 **Modulators of Tumor Cell Growth**, Poster Section 3, p. 319
- CB 39 **Nuclear Signaling Pathways**, Poster Section 4, p. 320
- CB 40 **Protein Kinases**, Poster Section 5, p. 321
- CB 41 **Receptor Function, Signaling Methodology**, Poster Section 6, p. 322
- CB 42 **Signaling in Lung and Brain Tumorigenesis**, Poster Section 7, p. 323
- CB 43 **Small G Proteins, Lipid Signaling, and mTOR**, Poster Section 8, p. 324
- CB 44 **Tumor Progression and Markers**, Poster Section 9, p. 325
- CL 12 **Molecular Predictors of Drug Sensitivity and Resistance**, Poster Section 10, p. 326
- CL 13 **Novel Assays and Technologies**, Poster Section 11, p. 327
- TB 28 **Determinants of Metastasis**, Poster Section 12, p. 328
- TB 29 **Environmental and Microenvironmental Impact on Tumor Progression**, Poster Section 13, p. 329
- TB 30 **Imaging in Preclinical and Clinical Therapeutics**, Poster Section 14, p. 330
- TB 31 **Pediatric Cancer 3**, Poster Section 15, p. 331
- TB 32 **Stem Cells in the Central Nervous System**, Poster Section 16, p. 332
- IM 6 **Immune Modulation 2**, Poster Section 17, p. 333
- PR 7 **Cancer Prevention 5**, Poster Section 22, p. 334
- EP 8 **Descriptive Epidemiology, Ethnicity, and Geographic Factors**, Poster Section 23, p. 335

- EP 9 **Epidemiology of Cancer Survivorship**, Poster Section 24, p. 336
- EP 10 **Genetic Epidemiology 3: Hematologic, Genitourinary, Gastric/Esophageal, and Head and Neck Cancer**, Poster Section 25, p. 337
- CH 8 **Proteomic Tumor Profiling 1**, Poster Section 26, p. 338
- CH 9 **Proteomic Tumor Profiling 2**, Poster Section 27, p. 339
- ET 32 **Antibodies**, Poster Section 28, p. 340
- ET 33 **Drug Discovery 2: Combination Strategies I**, Poster Section 29, p. 341
- ET 34 **Drug Discovery 3: Combination Strategies II**, Poster Section 30, p. 342
- ET 35 **Immunoconjugates, Peptides, and Protein Therapeutics**, Poster Section 31, p. 343
- ET 36 **New Targets 3: Compounds, Markers, Signatures**, Poster Section 32, p. 344
- ET 37 **New Targets 4: Discovery**, Poster Section 33, p. 345

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Second Primary Cancers after Childhood Cancer: Clinical and Molecular Insights, Smita Bhatia, Moderator, Ballroom 20A-C, San Diego Convention Center, p. 348

8:30 AM-10:00 AM NCI/NIH-Sponsored Session

National Cancer Institute Symposium on Glycomics for Detection of Cancer and Cancer Risk, Room 10, San Diego Convention Center, p. 349

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IM = Immunology; PR = Prevention Research; TB = Tumor Biology

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Does Lycopene Prevent Cancer?, Chung S. Yang and John A. Baron, Co-Moderators, Room 6B, San Diego Convention Center, p. 350

Mitochondrial Mutations: Cause or Effect?, Bennett Van Houten, Moderator, Room 6A, San Diego Convention Center, p. 350

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Thirteenth Annual AACR-Joseph H. Burchenal Memorial Award for Clinical Research Lecture, Joseph R. Bertino, Hall G-H, San Diego Convention Center, p. 351

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Novel Mechanisms of Tumor Angiogenesis, Napoleone Ferrara, Chairperson, Ballroom 20A-C, San Diego Convention Center, p. 352

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National Cancer Institute Early Detection Research Network: Investment in Biomarker Research, Sudhir Srivastava, Moderator, Room 10, San Diego Convention Center, p. 353

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Cancer Biomarkers: From Pharmacodynamics to Diagnostics, Nicholas C. Dracopoli, Chairperson, Room 6C, San Diego Convention Center, p. 356

DNA Breaks and Genomic Instability, Frederick W. Alt, Chairperson, Room 6A, San Diego Convention Center, p. 356

Epigenetic Responses to the Environment and Cancer, John D. Groopman, Chairperson, Room 6F, San Diego Convention Center, p. 357

MICR Scientific Symposium: Health Disparities from a Biopsychosocial Approach: Contributing Factors, George J. Hammons and Electra D. Paskett, Co-Chairpersons, Room 33A-C, San Diego Convention Center, p. 354

Ras Signaling, Mariano Barbacid and Christopher J. Marshall, Co-Chairpersons, Room 29A-D, San Diego Convention Center, p. 357

The Stanley J. Korsmeyer Memorial Symposium: Apoptosis and Therapy, Stephen W. Fesik, Chairperson, Room 6B, San Diego Convention Center, p. 358

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CB 46 Molecular Subtyping and Classification of Tumors: Biological and Clinical Implications, Xifeng Wu, Chairperson, Room 28A-C, San Diego Convention Center, p. 359

CH 10 Drug Design and Delivery, Peter M. Fischer and Cheryl L. Zimmerman, Co-Chairpersons, Room 30A-C, San Diego Convention Center, p. 360

EP 11 Dietary Patterns and Cancer Risk, Tanya D. Agurs-Collins and Elizabeth A. Platz, Co-Chairpersons, Room 6E, San Diego Convention Center, p. 360

ET 38 Novel Approaches to Drug Discovery, Robert A. Kramer and Michael J. Weber, Co-Chairpersons, Room 7A-B, San Diego Convention Center, p. 361

PR 8 Chemopreventive Strategies, Powel H. Brown and Ashrafal Hoque, Co-Chairpersons, Room 25A-C, San Diego Convention Center, p. 361

TB 33 Host Influences on Tumor Progression, Harold L. Moses and Mario P. Colombo, Co-Chairpersons, Room 24A-C, San Diego Convention Center, p. 362

TB 34 Radiation Biology and Experimental Radiotherapeutics, J. Martin Brown and Peggy L. Olive, Co-Chairpersons, Room 6D, San Diego Convention Center, p. 362

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Funding the Translational Research Gap, Gregory A. Curt, Moderator, Ballroom 20D, San Diego Convention Center, p. 364

The Role of Autophagy in Cancer, John L. Cleveland, Moderator, Room 6B, San Diego Convention Center, p. 364

1:00 PM-3:00 PM New Concepts in Organ Site Research

Basic and Translational Advances in Melanoma Research, Maria S. Soengas and Lynn Schuchter, Co-Chairpersons, Room 29A-D, San Diego Convention Center, p. 365

Diagnosis and Treatment of Pediatric Cancer: From the Success of the 20th Century to the Opportunities of the 21st Century, James R. Downing and Lee J. Helman, Co-Chairpersons, Room 6C, San Diego Convention Center, p. 365

New Concepts on Tumor-Microenvironment Interactions in Myeloma: Pathophysiological and Therapeutic Relevance, Constantine S. Mitsiades and Kenneth C. Anderson, Co-Chairpersons, Room 6F, San Diego Convention Center, p. 366

Prostate Cancer: From Activation to Application—Novel Concepts in Understanding and Treating Disease, Arul M. Chinnaiyan and Susan F. Slovin, Co-Chairpersons, Room 6A, San Diego Convention Center, p. 366

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Clinical Plenary Session 3: Phase 0, I, and II Clinical Trials, Hall G-H, San Diego Convention Center, p. 367

1:00 PM-5:00 PM Late-Breaking Poster Sessions

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1:00 PM-5:00 PM Poster Sessions

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CB 48 Clinical and Biological Implications of Aberrant Gene Expression, Poster Section 2, p. 369

CB 49 Epigenetically Altered Oncogenes and Tumor Suppressor Genes, Poster Section 3, p. 370

CB 50 Epigenetically Altered Pathways, Poster Section 4, p. 371

CB 51 Genome Instability, Poster Section 5, p. 372

CB 52 Metabolic Approaches to Cancer, Poster Section 6, p. 373

CB 53 Regulation of Bcl-2 and Caspases for Cancer Therapy, Poster Section 7, p. 374

CB 54 Regulatory Genes as Targets for Therapy, Poster Section 8, p. 375

CL 14 Molecular Signatures and Proteomic Biomarkers, Poster Section 9, p. 376

CL 15 Phase II and III Clinical Trials 1: Gastrointestinal, Pancreatic, Head and Neck, and Melanoma, Poster Section 10, p. 377

CL 16 Phase II and III Clinical Trials 2: Genitourinary, Gynecological, Breast, and Cachexia, Poster Section 11, p. 378

- TB 35 **Expression Profiling and Biomarkers of Tumor Growth**, Poster Section 12, p. 379
- TB 36 **Imaging Tumors and the Tumor Microenvironment**, Poster Section 13, p. 380
- TB 37 **Molecular Determinants of Tumor Susceptibility and Progression**, Poster Section 14, p. 381
- TB 38 **Stem Cells in the Gastrointestinal and Genitourinary Tracts**, Poster Section 15, p. 382
- TB 39 **Therapeutic and Radiation Responsiveness of Stem Cells**, Poster Section 16, p. 383
- IM 7 **Adoptive Cell Therapy**, Poster Section 17, p. 384
- PR 9 **Cancer Prevention 6**, Poster Section 22, p. 385
- EP 12 **Genetic Epidemiology 4: Other Tumors and Functional/Methodologic Studies**, Poster Section 23, p. 386
- CG 5 **Chemical and Viral Carcinogenesis in Target Organs**, Poster Section 25, p. 387
- CH 11 **Chemical Aspects of Cancer: Targeting, Discovery, Delivery, and Detection**, Poster Section 27, p. 388
- ET 39 **Pharmacology and Pharmacodynamics**, Poster Section 28, p. 389
- ET 40 **Pharmacology, Pharmacogenetics, and Pharmacogenomics**, Poster Section 29, p. 390
- ET 41 **Radioprotectors, Normal Tissue Injury, and Radiation Effects on Immune Response**, Poster Section 30, p. 391
- ET 42 **Small Molecule Kinase Inhibitors 1**, Poster Section 31, p. 392
- ET 43 **Small Molecule Kinase Inhibitors 2**, Poster Section 32, p. 393
- ET 44 **Therapeutic Antibodies and Proteins**, Poster Section 33, p. 394

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Second Annual AACR-Princess Takamatsu Memorial Lecture, Lawrence A. Loeb, Ballroom 20A-C, San Diego Convention Center, p. 396

2:00 PM-5:30 PM Minisymposia

- CG 6 **Carcinogenesis Models: *In vitro* and in Rodents**, Daniel Rosenberg and Keigo Machida, Co-Chairpersons, Room 6D, San Diego Convention Center, p. 397
- CB 55 **Autophagy, Metabolic Stress, and Tumorigenesis**, Junying Yuan and Shengkan Jin, Co-Chairpersons, Room 28A-C, San Diego Convention Center, p. 397
- CB 56 **Therapeutic Implications of Oncogenic Pathways 2**, Dean W. Felsher and William C. Hahn, Co-Chairpersons, Room 7A-B, San Diego Convention Center, p. 398
- CL 17 **Molecular Markers for Cancer Diagnosis and Determination of Patient Outcomes**, Roman K. Thomas and Balazs Halmos, Co-Chairpersons, Room 31A-C, San Diego Convention Center, p. 398
- CL 18 **Novel Genomic Approaches, Drugs, Targets, and Strategies**, Ingo K. Mellinghoff and Jeffrey A. Engelman, Co-Chairpersons, Room 30A-C, San Diego Convention Center, p. 399
- ET 45 **Novel Kinase Inhibitors**, Monica M. Mita and David B. Solit, Co-Chairpersons, Room 33A-C, San Diego Convention Center, p. 399
- IM 8 **Developmental Immunotherapy**, Leisha A. Emens and Daniel J. Powell, Jr., Co-Chairpersons, Room 25A-C, San Diego Convention Center, p. 400
- TB 40 **Generation and Maintenance of Cancer Stem Cells**, Michael F. Clarke and Catriona H. M. Jamieson, Co-Chairpersons, Room 11A-B, San Diego Convention Center, p. 400

2:15 PM- 3:15 PM Lecture

Seventeenth Annual AACR-American Cancer Society Award Lecture for Research Excellence in Cancer Epidemiology and Prevention, Robert N. Hoover, Ballroom 20A-C, San Diego Convention Center, p. 401

Tuesday, April 15, 2008

3:00 PM-5:00 PM Special Session

The Role of Disparities and Environment in Breast Cancer: Research and Funding Directions, Catherine Thomsen, Moderator, Room 10, San Diego Convention Center, p. 402

3:15 PM-5:15 PM Symposia

Inflammation and Cancer: Mechanisms Regulating Pro- Versus Antitumor Immunity, Lisa M. Coussens and Michael Karin, Co-Chairpersons, Room 29A-D, San Diego Convention Center, p. 404

Mice as Models for Discovery of Critical Tumor Events, Guillermina Lozano, Chairperson, Room 6B, San Diego Convention Center, p. 405

Molecular and Clinical Insights into Cancers Affecting Under-represented Populations, John D. Carpten and Lisa A. Newman, Co-Chairpersons, Room 6C, San Diego Convention Center, p. 405

Protein Tyrosine Phosphatases and Molecular Targets for Novel Anticancer Agents, Bernard Ducommun and John S. Lazo, Co-Chairpersons, Room 6F, San Diego Convention Center, p. 406

The Diverse Roles of MicroRNAs in the Pathogenesis of Cancer, Scott M. Hammond, Chairperson, Ballroom 20D, San Diego Convention Center, p. 407

Translating the Molecular Biology of Metastasis to the Clinic, Patricia S. Steeg, Chairperson, Room 6A, San Diego Convention Center, p. 407

3:15 PM-5:45 PM Late-Breaking Oral Presentation Session

Late-Breaking Basic and Clinical Research 2, Ballroom 20A-C, San Diego Convention Center, p. 403

5:30 PM-6:30 PM Meet-the-Expert Sessions

Kinase Inhibitor Drug Development: Mind the Gap!, Tona M. Gilmer, Room 6C, San Diego Convention Center, p. 408

Searching for the Optimal Biological Dose: Novel Study Designs for Early Clinical Trials of Targeted Anticancer Therapies, Chris H. Takimoto, Room 6E, San Diego Convention Center, p. 408

The Biology of Therapeutic Response in Mouse Models of Brain Tumors, Eric C. Holland, Room 6F, San Diego Convention Center, p. 408

6:45 PM-8:00 PM Professional Advancement Session

Chemistry in Cancer Research Mentoring Roundtable, Columbia 1-3, North Tower, San Diego Marriott Hotel, p. 409

6:30 PM

AACR Night at the Padres - Rockies Baseball Game

For more information and how to purchase tickets, please see the ad on the Inside Back Cover of this publication, or visit www.aacr.org and follow the Annual Meeting link.



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

Adoptive T-Cell Therapy: Improving on Evolution's Natural Targeted Therapy, Philip D. Greenberg, Room 6D, San Diego Convention Center, p. 411

Challenges in Defining Pharmacokinetics and Pharmacodynamic Relationships, Merrill J. Egorin, Room 32A-B, San Diego Convention Center, p. 411

Development of Drugs Targeting Apoptosis in Cancer, Dennis A. Carson, Room 24A-C, San Diego Convention Center, p. 411

Feedback Loops in Cancer Signal Transduction Pathways, Neal Rosen, Room 6F, San Diego Convention Center, p. 411

From 3-D Models to Therapy: Putting Breast Cancer in Context, Mina J. Bissell, Room 7A-B, San Diego Convention Center, p. 412

From Cancer Genomics to Cancer Treatment: From Hope to Reality, Yusuke Nakamura, Room 6E, San Diego Convention Center, p. 412

Glucose Metabolism and Cancer, Reuben J. Shaw, Room 23A-C, San Diego Convention Center, p. 412

Hypoxia and DNA Repair, Peter M. Glazer, Room 25A-C, San Diego Convention Center, p. 412

Lessons from Multidisciplinary Translational Trials on Antiangiogenic Therapy of Cancer, Rakesh K. Jain, Room 28A-C, San Diego Convention Center, p. 412

Nuclear Receptors: Enhancing Athletic Performance to Corral Cancer, Ronald M. Evans, Room 6C, San Diego Convention Center, p. 412

Poly(ADP-ribose) Polymerase Function and Activities, Nathan A. Berger, Room 30D-E, San Diego Convention Center, p. 413

Targeting the ras Pathway: Dreams and Realities, Dafna Bar-Sagi, Room 11A-B, San Diego Convention Center, p. 413

The Role of Src in Human Cancers, Sara A. Courtneidge, Room 30A-C, San Diego Convention Center, p. 413

8:00 AM-9:00 AM **Lecture**

Twenty-Eighth Annual AACR Award for Outstanding Achievement in Cancer Research Lecture, Arul Chinnaiyan, Ballroom 20A-C, San Diego Convention Center, p. 414

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

Approaches to Refractory Malignancies, Joseph R. Bertino, Moderator, Room 6F, San Diego Convention Center, p. 415

Phase 0 Biomarker Trials: A New Paradigm for Oncology Drug Development?, Chris H. Takimoto, Moderator, Ballroom 20D, San Diego Convention Center, p. 415

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

Acute Myelogenous Leukemia, Frederick R. Appelbaum and D. Gary Gilliland, Co-Chairpersons, Room 29A-D, San Diego Convention Center, p. 416

Bladder Cancer: Biomarkers of Risk, Diagnosis, Prognosis, and Therapy, Dan Theodorescu and Matthew I. Milowsky, Co-Chairpersons, Room 6B, San Diego Convention Center, p. 416

New Concepts in Pathobiology and Therapeutics of Head and Neck Cancer, Maura L. Gillison and Bonnie S. Glisson, Co-Chairpersons, Room 6A, San Diego Convention Center, p. 417

Wednesday, April 16, 2008

8:00 AM-12:00 PM Poster Sessions

Exhibit Hall B-F, San Diego Convention Center

- CB 57 Cancer Genomics 4: MicroRNA Profiling I**, Poster Section 1, p. 418
- CB 58 Cancer Genomics 5: MicroRNA Profiling II**, Poster Section 2, p. 419
- CB 59 Cell Cycle 3**, Poster Section 3, p. 420
- CB 60 Cytokine and TGFbeta Signaling**, Poster Section 4, p. 421
- CB 61 Emerging Technologies**, Poster Section 5, p. 422
- CB 62 Integration of Omics Technologies**, Poster Section 6, p. 423
- CB 63 Signal Transduction in Breast Cancer**, Poster Section 7, p. 424
- CB 64 Signaling Pathways 1**, Poster Section 8, p. 425
- CB 65 Signaling Pathways 2**, Poster Section 9, p. 426
- CB 66 Transcription Factors**, Poster Section 10, p. 427
- IM 9 Tumor Vaccines 2**, Poster Section 11, p. 428
- TB 41 Chemokine/Chemokine Receptors and Myelomonocytic Cells**, Poster Section 12, p. 429
- TB 42 Epithelial-Mesenchymal Transition**, Poster Section 13, p. 430
- TB 43 Inflammation and Metastasis**, Poster Section 14, p. 431
- TB 44 Stem Cells**, Poster Section 15, p. 432
- EN 4 Molecular Endocrinology of Breast Cancer**, Poster Section 17, p. 433
- PR 10 Cancer Prevention 7**, Poster Section 22, p. 434
- CL 19 Molecular Correlates 3**, Poster Section 23, p. 435
- CL 20 Phase II and III Clinical Trials 3: Blood, Lung, Brain/CNS, and Sarcoma**, Poster Section 24, p. 436
- CL 21 Prognostic Biomarkers 2**, Poster Section 25, p. 437
- CG 7 Chemical Mutagenesis and Carcinogenesis**, Poster Section 26, p. 438
- CH 12 Drug Delivery and Targeting**, Poster Section 27, p. 439
- ET 46 Heat Shock Protein Inhibitors, Aurora Kinase, and Other Mitotic Inhibitors**, Poster Section 29, p. 440
- ET 47 Novel Small Molecule Cancer Therapeutics 1**, Poster Section 30, p. 441
- ET 48 Novel Small Molecule Cancer Therapeutics 2**, Poster Section 31, p. 442
- ET 49 Pharmacology: Nanoparticles and New Drug Delivery Strategies**, Poster Section 32, p. 443
- ET 50 Radiation: Combined Modalities, Cell Death, Bystander Killing, and Vascular Effects**, Poster Section 33, p. 444

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

8:30 AM-12:00 PM Minisymposia

- CB 67 DNA Repair and Mutagenesis**, Kyungjae Myung and Muriel W. Lambert, Co-Chairpersons, Room 23A-C, San Diego Convention Center, p. 446
- CB 68 Intracellular Signaling and Growth Control**, Gen-Sheng Feng and Kun Liang Guan, Co-Chairpersons, Room 6E, San Diego Convention Center, p. 446
- CB 69 Oncogenic and Tumor Suppressor Pathways**, Michael A. Teitell and Martin McMahon, Co-Chairpersons, Room 28A-C, San Diego Convention Center, p. 447
- EP 13 Genetics and Genomics of Cancer Susceptibility**, Fergus J. Couch and Jeffrey N. Weitzel, Co-Chairpersons, Room 25A-C, San Diego Convention Center, p. 447
- ET 51 Individualized Cancer Therapy: Pharmacogenetics and Pharmacodynamics**, Eric H. Rubin and Xifeng Wu, Co-Chairpersons, Room 24A-C, San Diego Convention Center, p. 448
- ET 52 New Molecular Targets**, Pearl S. Huang and Beverly A. Teicher, Co-Chairpersons, Room 6D, San Diego Convention Center, p. 448
- TB 45 Endothelial Progenitors: Induction of Angiogenesis**, Laura E. Benjamin, Chairperson, Room 30A-C, San Diego Convention Center, p. 449
- TB 46 New Animal Models to Study Cancer**, Susan Fischer and Craig H. Bassing, Co-Chairpersons, Room 7A-B, San Diego Convention Center, p. 449

10:00 AM-12:00 PM Symposia

- Cancer Prevention by Dietary Constituents: Laboratory and Human Studies**, Chung S. Yang and John A. Baron, Co-Chairpersons, Room 6F, San Diego Convention Center, p. 450
- Hypoxia and Tumor Progression**, M. Celeste Simon and Amato J. Giaccia, Co-Chairpersons, Room 6A, San Diego Convention Center, p. 450
- Immune Therapy**, James P. Allison, Chairperson, Room 6C, San Diego Convention Center, p. 451
- Inherited Susceptibility to Cancer**, David J. Hunter, Chairperson, Room 29A-D, San Diego Convention Center, p. 451
- PI 3-Kinase Pathway**, Peter K. Vogt and William A. Weiss, Co-Chairpersons, Ballroom 20D, San Diego Convention Center, p. 452
- Small-Molecule Inhibitors to Target Protein-Protein Interactions as a New Cancer Therapeutic Strategy**, Shaomeng Wang, Chairperson, Room 6B, San Diego Convention Center, p. 452