Introduction

Introduction to the Eleventh Conference on Cancer Therapy with Antibodies and Immunoconjugates
David M. Goldenberg

Session I: New Antibodies and Approaches

Moderators: Alan L. Epstein, Eric K. Rowinsky, and Robert M. Sharkey

Cell Cycle Disturbances and Mitotic Catastrophes in HeLa Hep2 Cells following 2.5 to 10 Gy of Ionizing Radiation
David Eriksson, Per-Olov Löfroth, Lennart Johansson, Katrine Åhlström Riklund, and Torgny Stigbrand

The La Autoantigen Is a Malignancy-Associated Cell Death Target That Is Induced by DNA-Damaging Drugs
Fares Al-Ejeh, Jocelyn M. Darby, and Michael P. Brown

In vivo Targeting of Dead Tumor Cells in a Murine Tumor Model Using a Monoclonal Antibody Specific for the La Autoantigen

Bortezomib Sensitizes Non–Hodgkin’s Lymphoma Cells to Apoptosis Induced by Antibodies to Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand (TRAIL) Receptors TRAIL-R1 and Trail-R2
Mitchell R. Smith, Fang Jin, and Indira Joshi

Combination Treatment with TRA-8 Anti–Death Receptor 5 Antibody and CPT-11 Induces Tumor Regression in an Orthotopic Model of Pancreatic Cancer
Leo Christopher DeRosier, Donald J. Buchsbaum, Patsy G. Oliver, Zhi-Qiang Huang, Jeffrey C. Sellers, William E. Grizzle, Tong Zhou, Kurt R. Zinn, Joshua W. Long, and Selwyn M. Vickers

Review: Monoclonal Antibodies to the Vascular Endothelial Growth Factor Receptor-2 in Cancer Therapy
Hagop Youssoufian, Daniel J. Hicklin, and Eric K. Rowinsky

IMC-A12, a Human IgG1 Monoclonal Antibody to the Insulin-Like Growth Factor I Receptor

CD74: A New Candidate Target for the Immunotherapy of B-Cell Neoplasms
Rhona Stein, M. Jules Mattes, Thomas M. Cardillo, Hans J. Hansen, Chien-Hsing Chang, Jack Burton, Serengulam Govindan, and David M. Goldenberg

A Divalent Hapten-Peptide Induces Apoptosis in Human Non–Hodgkin Lymphoma Cell Lines Targeted by Anti-CD20 × Anti-Hapten Bispecific Antibodies

Session II: Pretargeting

Moderators: Jean-François F. Chatal and Oliver W. Press

Improved Tumor Targeting and Decreased Normal Tissue Accumulation through Extracorporeal Affinity Adsorption in a Two-Step Pretargeting Strategy
Linda Mårtensson, Rune Nilsson, Tomas Ohlsson, Hans-Olov Sjögren, Sven-Erik Strand, and Jan Tennvall
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The Dock and Lock Method: A Novel Platform Technology for Building Multivalent, Multifunctional Structures of Defined Composition with Retained Bioactivity
Chien-Hsing Chang, Edmund A. Rossi, and David M. Goldenberg ............................................................... 5586s

Pathology Underrates Colon Cancer Extranodal and Nodal Metastases; Ex vivo Radioimmunodetection Helps Staging

Pretargeted Radioimmunotherapy for B-Cell Lymphomas
Damian J. Green, John M. Pagel, Anastasia Pantelias, Nathan Hedin, Yukang Lin, D. Scott Wilbur, Ajay Gopal, Donald K. Hamlin, and Oliver W. Press ............................................................... 5598s

Session III: Imaging and Therapy
Moderators: Steven M. Larson, Claude Meares, Stanley J. Goldsmith, and Richard L. Wahl

Radioimmunotherapy with α-Particle–Emitting 213Bi-C-Functionalized trans-Cyclohexyl-Diethylenetriaminepentaacetic Acid–Humanized 3S193 Is Enhanced by Combination with Paclitaxel Chemotherapy
Marcus P. Kelly, Fook T. Lee, Kiki Tahtis, Fiona E. Smyth, Martin W. Brechbiel, and Andrew M. Scott ............................................................... 5604s

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Moderators: Louis Weiner, Ruby Meredith, and John P. Leonard

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Erin Cooney-Qualter, Mark Krailo, Anne Angiolillo, Rashid A. Fawwaz, Gregory Wiseman, Lauren Harrison, Virginia Kohl, Peter C. Adamson, Janet Ayello, Carmella vande Ven, Sherrie L. Perkins, and Mitchell S. Cairo

About the Cover

A number of different topics were discussed at the 11th Conference. A new human antibody to the insulin-growth factor I receptor (IGF-IR), which can block downstream MAPK and PI3/AKT pathways, was presented (A, Rowinsky et al. on page 5549s in this issue). This antibody shows promising anti-tumor activity in animal models alone and in combination with chemotherapy. Innovative antibody constructs, including selective high affinity ligand (SHAL) antibody mimics targeting HLA-DR10 (B, Balhorn et al. on page 5621s in this issue), and a new platform for preparing multivalent, multifunctional bispecific antibodies using a newly described Dock and Lock procedure (C, Chang et al. on page 5586s in this issue) were presented. Microscopic human colon cancer as small as 0.3 mm were disclosed in the lungs using microPET imaging, and autoradiography illustrated the selective uptake in the metastatic tumors (D, Sharkey et al. on page 5577s in this issue). Multivalent bispecific antibodies prepared by the Dock and Lock procedure were used in a pretargeting setting for targeting radionuclides (E, Sharkey et al. on page 5577s in this issue).