523 2-Methoxyestradiol Inhibits Barrett’s Esophageal Adenocarcinoma Growth and Differentiation through Differential Regulation of the β-Catenin–E-Cadherin Axis
Suman Kambhampati, Snigdha Banerjee, Kakali Dhar, Smita Mehta, Inamul Haque, Gopal Dhar, Monami Majumder, Gibanananda Ray, Peter J. Vanveldhuizen, and Sushanta K. Banerjee

535 Reduced Argininosuccinate Synthetase Is a Predictive Biomarker for the Development of Pulmonary Metastasis in Patients with Osteosarcoma
Eisuke Kobayashi, Mari Masuda, Robert Nakayama, Hitoshi Ichikawa, Reiko Satow, Miki Shitashige, Kazufumi Honda, Umio Yamaguchi, Ayako Shoji, Naobumi Tochigi, Hideo Moriooka, Yoshiaki Toyama, Setsuo Hirohashi, Akira Kawai, and Tesshi Yamada

545 Identification of Expression Signatures Predictive of Sensitivity to the Bcl-2 Family Member Inhibitor ABT-263 in Small Cell Lung Carcinoma and Leukemia/Lymphoma Cell Lines

558 The Mismatch Repair System Modulates Curcumin Sensitivity through Induction of DNA Strand Breaks and Activation of G2-M Checkpoint
Zhihua Jiang, ShunQian Jin, Jack C. Yalowich, Kevin D. Brown, and Baskaran Rajasekaran

569 Proanthocyanidins Inhibit In vitro and In vivo Growth of Human Non–Small Cell Lung Cancer Cells by Inhibiting the Prostaglandin E2 and Prostaglandin E3 Receptors
Som D. Sharma, Syed M. Meeran, and Santosh K. Katiyar

581 Association of Polymorphisms in AKT1 and EGFR with Clinical Outcome and Toxicity in Non–Small Cell Lung Cancer Patients Treated with Gefitinib
Elisa Giovannetti, Paolo A. Zucali, Godfriedus J. Peters, Filippo Cortesi, Armida D’Incecco, Egbert F. Smit, Alfredo Falcone, Jacobus A. Burgers, Armando Santoro, Romano Danesi, Giuseppe Giaccone, and Carmelo Tibaldi

606 Anacardic Acid Inhibits Estrogen Receptor α–DNA Binding and Reduces Target Gene Transcription and Breast Cancer Cell Proliferation
David J. Schultz, Naline S. Wickramasinghe, Margarita M. Ivanova, Susan M. Isaacs, Susan M. Dougherty, Yoannis Imbert-Fernandez, Albert R. Cunningham, Chunyuan Chen, and Carolyn M. Klinge

617 The Prolyl Isomerase Pin1 Enhances HER-2 Expression and Cellular Transformation via Its Interaction with Mitogen-Activated Protein Kinase/Extracellular Signal-Regulated Kinase Kinase 1
Prem Khanal, Gwang Mo Namgoong, Bong Seok Kang, Eun-Rhan Woo, and Hong Seok Choi

631 Cytotoxic Effects Induced by Docetaxel, Gefitinib, and Cyclopamine on Side Population and Nonside Population Cell Fractions from Human Invasive Prostate Cancer Cells
Murielle Mimeault, Sonny L. Johansson, Jean-Pierre Henichart, Patrick Depreux, and Surinder K. Batra

651 Antiangiogenic Activities of 2,5-Dimethyl-Celecoxib on the Tumor Vasculature
LETTERS TO THE EDITOR

772 ABL Alternative Splicing Is Quite Frequent in Normal Population - Letter
Inigo Santamaria, Ana S. Pitiot, and Milagros Balbin

772 BCR-ABL1INS35 Is Not Uncommon in CML Patients and Is Related to Resistance and Sensitivity to Inhibitors in CML Treatment - Response
Tai-Sung Lee, Wanlong Ma, Xi Zhang, Maher Albitar, Francis Giles, Jorge Cortes, and Hagop Kantarjian

ABOUT THE COVER

ABT-263 is an inhibitor of the Bcl-2 family members Bcl-2, Bcl-xL, and Bcl-w. Genes that are predictive for sensitivity to ABT-263, as identified by genomic expression profiling, are connected to key Bcl-2 family members as shown in the analysis of the signature genes by Ingenuity Pathways Analysis. In this network, genes that are colored in pink have higher expression in resistant cell lines, while genes colored in green have higher expression in sensitive cell lines. For details, see article by Tahir and colleagues on page 545.