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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 Morikota, Yoshiaki Toyama, Setsuo Hirohashi, Akira Kawai, and Tesshi Yamada


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 E2 Receptors Som D. Sharma, Syed M. Meeran, and Santosh K. Katiyar

581 Association of Polymorphisms in AKTI and EGFR with Clinical Outcome and Toxicity in Non–Small Cell Lung Cancer Patients Treated with Gefitinib Elisa Giovannetti, Paolo A. Zucali, Godefridus 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 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

617 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

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772  BCR-ABL1INS35 Is Not Uncommon in CML Patients and Is Related to Resistance and Sensitivity to Inhibitors in CML Treatment - Response
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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.