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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, ReikoSatow, MikiShitashige, KazufumiHonda, UmioYamaguchi, AyakoShoji, NaobumiTochigi, HideoMoriooka, YoshiakiToyama, SetsuoHirohashi, AkiraKawai, and TesshiYamada


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

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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, Godefridus J. Peters, Filippo Cortesi, Armida D’Incecco, Egbert F. Smit, Alfredo Falcone, Jacobus A. Burgers, Armando Santoro, Romano Danesi, Giuseppe Giaccione, and Carmelo Tibaldi

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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.