## Highlights of This Issue

### RESEARCH ARTICLES

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>535</td>
<td>Reduced Argininosuccinate Synthetase Is a Predictive Biomarker for the Development of Pulmonary Metastasis in Patients with Osteosarcoma</td>
<td>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</td>
</tr>
<tr>
<td>558</td>
<td>The Mismatch Repair System Modulates Curcumin Sensitivity through Induction of DNA Strand Breaks and Activation of G2-M Checkpoint</td>
<td>Zhihuai Jiang, ShunQian Jin, Jack C. Yalowich, Kevin D. Brown, and Baskaran Rajasekaran</td>
</tr>
<tr>
<td>569</td>
<td>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</td>
<td>Som D. Sharma, Syed M. Meeran, and Santosh K. Katiyar</td>
</tr>
<tr>
<td>581</td>
<td>Association of Polymorphisms in AKTI and EGFR with Clinical Outcome and Toxicity in Non–Small Cell Lung Cancer Patients Treated with Gefitinib</td>
<td>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</td>
</tr>
<tr>
<td>606</td>
<td>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</td>
<td>Prem Khanal, Gwang Mo Namgoong, Bong Seok Kang, Eun-Rhan Woo, and Hong Seok Choi</td>
</tr>
<tr>
<td>617</td>
<td>Cytotoxic Effects Induced by Docetaxel, Gefitinib, and Cyclopamine on Side Population and Nonside Population Cell Fractions from Human Invasive Prostate Cancer Cells</td>
<td>Murielle Mmeaulet, Sonny L. Johansson, Jean-Pierre Henichart, Patrick Depreux, and Surinder K. Batra</td>
</tr>
</tbody>
</table>
SB939, a Novel Potent and Orally Active Histone Deacetylase Inhibitor with High Tumor Exposure and Efficacy in Mouse Models of Colorectal Cancer

Veronica Novotny-Diermayr, Kanda Sangthongpitag, Chang Yong Hu, Xiaofeng Wu, Nina Sausgruber, Pauline Yeoh, Gediminas Greicius, Sven Pettersson, Al Leng Liang, Yung Shang Loh, Zahid Bonday, Kee Chuan Goh, Hannes Hentze, Stefan Hart, Haishan Wang, Kantharaj Ethirajulu, and Jeanette Marjorie Wood

ABT-869 Inhibits the Proliferation of Ewing Sarcoma Cells and Suppresses Platelet-Derived Growth Factor Receptor β and c-KIT Signaling Pathways


The FLT3 Internal Tandem Duplication Mutation Is a Secondary Target of the Aurora B Kinase Inhibitor AZD1152-HQPA in Acute Myelogenous Leukemia Cells

Martin Grundy, Claire Seedhouse, Shilli Shang, Jaimeeta Richardson, Nigel Russell, and Monica Pallis

Efficacy of PHA-848125, a Cyclin-Dependent Kinase Inhibitor, on the K-RasG12D/LA2 Lung Adenocarcinoma Transgenic Mouse Model: Evaluation by Multimodality Imaging

Anna Degrassi, Micaela Russo, Cristina Nanni, Veronica Patton, Rachele Alzani, Anna M. Giusti, Stefano Fantl, Marina Ciomei, Enrico Pesenti, and Gemma Texido

Doxorubicin Resistance in a Novel In vitro Model of Human Pleomorphic Liposarcoma Associated with Alternative Lengthening of Telomeres

Marcy A. Mitchell, Jay E. Johnson, Kara Pascarelli, Neil Beeharry, Maria Chiourea, Sarantis Gagos, Dina Lev, Margaret von Mehren, David Kipling, and Dominique Broccoli

Interactions of the p53 Protein Family in Cellular Stress Response in Gastrointestinal Tumors

Anna E. Vilgelm, Mary K. Washington, Jinxiang Wei, Heidi Chen, Vladimir S. Prassolov, and Alexander I. Zaika

Molecular Pharmacology and Antitumor Activity of PHT-427, a Novel Akt/Phosphatidylinositol-Dependent Protein Kinase 1 Pleckstrin Homology Domain Inhibitor


Alisol B, a Novel Inhibitor of the Sarcoplasmic/Endoplasmic Reticulum Ca2+ ATPase Pump, Induces Autophagy, Endoplasmic Reticulum Stress, and Apoptosis

Betty Y.K. Law, Mingfu Wang, Dik-Lung Ma, Fawaz A-Mousa, Francesco Michelangeli, Suk-Hang Cheng, Margaret H.L. Ng, Ka-Fai To, Anthony Y.F. Mok, Rebecca Y.Y. Ko, Sze Kui Lam, Feng Chen, Chi-Ming Che, Pauline Chiu, and Ben C.B. Ko

Wnt Inhibitory Factor 1 Decreases Tumorigenesis and Metastasis in Osteosarcoma

Elyssa M. Rubin, Yi Guo, Khoa Tu, Jun Xie, Xiaolin Zi, and Bang H. Hoang

Sorafenib Inhibits STAT3 Activation to Enhance TRAIL-Mediated Apoptosis in Human Pancreatic Cancer Cells

Shengbing Huang and Frank A. Sinicrope

Phase I Combination of Sorafenib and Erlotinib Therapy in Solid Tumors: Safety, Pharmacokinetic, and Pharmacodynamic Evaluation from an Expansion Cohort

Miguel Quintela-Fandino, Christophe Le Tourneau, Ignacio Duran, Eric X. Chen, Lisa Wang, Ming Tsao, Bizhan Bandarchi-Chamkhaleh, Nhu-Anh Pham, Trevor Do, Martha MacLean, Rakesh Nayyar, Michael W. Tusche, Ur Meters, John J. Wright, Tak W. Mak, and Lillian L. Siu

IFN-β Restricts Tumor Growth and Sensitizes Alveolar Rhabdomyosarcoma to Ionizing Radiation

Thomas L. Sims, Mackenzie McGee, Regan F. Williams, Adrianne L. Myers, Lorraine Tracey, J. Blair Hamner, Catherine Ng, Jianrong Wu, M. Waleed Gaber, Beth McCarville, Amit C. Nathwani, and Andrew M. Davidoff
LETTERS TO THE EDITOR

772 ABL Alternative Splicing Is Quite Frequent in Normal Population - Letter
Iñigo 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

CORRECTION

774 Correction: Hormonal Regulation and Distinct Functions of Semaphorin-3B and Semaphorin-3F in Ovarian Cancer

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.