<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>2857</td>
<td>Highlights of This Issue</td>
<td></td>
</tr>
<tr>
<td>2859</td>
<td>I-387, a Novel Antimitotic Indole, Displays a Potent In vitro and In vivo Antitumor Activity with Less Neurotoxicity</td>
<td>Sunjoo Ahn, Charles B. Duke III, Christina M. Barrett, Dong Jin Hwang, Chien-Ming Li, Duane D. Miller, and James T. Dalton</td>
</tr>
<tr>
<td>2869</td>
<td>The Synthetic Caged Garcinia Xanthone Cluvenone Induces Cell Stress and Apoptosis and Has Immune Modulatory Activity</td>
<td>Ayse Batova, Diego Altomare, Oraphin Chantarasriwong, Kari L. Ohslen, Kim E. Creek, You-Chin Lin, Amy Messersmith, Alice L. Yu, John Yu, and Emmanuel A. Theodorakis</td>
</tr>
<tr>
<td>2879</td>
<td>Cucurbitacin I Suppressed Stem-Like Property and Enhanced Radiation-Induced Apoptosis in Head and Neck Squamous Carcinoma-Derived CD44+ALDH1+ Cells</td>
<td>Yi-Wei Chen, Kuan-Hsuan Chen, Pin-I Huang, Yu-Chih Chen, Guang-Yu Chiou, Wen-Liang Lo, Ling-Ming Tseng, Han-Sui Hsu, Kuo-Wei Chang, and Shih-Hwa Chiou</td>
</tr>
<tr>
<td>2893</td>
<td>PUMA Induction by FoxO3a Mediates the Anticancer Activities of the Broad-Range Kinase Inhibitor UCN-01</td>
<td>Crissy Dudgeon, Peng Wang, Xiameng Sun, Rui Peng, Quanhong Sun, JIan Yu, and Lin Zhang</td>
</tr>
<tr>
<td>2914</td>
<td>Paclitaxel-Dependent Cell Lines Reveal a Novel Drug Activity</td>
<td>Anutosh Ganguly, Hailing Yang, and Fernando Cabral</td>
</tr>
<tr>
<td>2924</td>
<td>Reovirus Virotherapy Overrides Tumor Antigen Presentation Evasion and Promotes Protective Antitumor Immunity</td>
<td>Shashi A. Gujar, Paola Marcato, Da Pan, and Patrick W.K. Lee</td>
</tr>
<tr>
<td>2934</td>
<td>A Novel Human Dynactin-Associated Protein, dynAP, Promotes Activation of Akt, and Ergosterol-Related Compounds Induce dynAP-Dependent Apoptosis of Human Cancer Cells</td>
<td>Tatsuki Kunoh, Takanori Noda, Koichi Koseki, Masayuki Sekigawa, Motoki Takagi, Kazuo Shin-ya, Naoki Goshima, Shun-ichiro Iemura, Tohru Natsume, Shu-ichi Wada, Yukio Mukai, Shinji Ohta, Ryuzo Sasaki, and Tamio Mizukami</td>
</tr>
<tr>
<td>2943</td>
<td>A MicroRNA Screen to Identify Modulators of Sensitivity to BCL2 Inhibitor ABT-263 (Navitoclax)</td>
<td>Lloyd T. Lam, Xin Lu, Haichao Zhang, Rick Lesniewski, Saul Rosenberg, and Dimitri Semizarov</td>
</tr>
<tr>
<td>2951</td>
<td>Knockdown of Inwardly Rectifying Potassium Channel Kir2.2 Suppresses Tumor Formation by Inducing Reactive Oxygen Species-Mediated Cellular Senescence</td>
<td>Inkyoung Lee, Chaehwa Park, and Won Ki Kang</td>
</tr>
<tr>
<td>2960</td>
<td>Antitumor Effect of Temsirolimus against Oral Squamous Cell Carcinoma Associated with Bone Destruction</td>
<td>Tatsuo Okui, Tsuyoshi Shimo, Takuya Fukazawa, Naito Kurio, Nur Mohammad Monsur Hassan, Tatsuki Honami, Munenori Takaoka, Yoshio Naomoto, and Akira Sasaki</td>
</tr>
<tr>
<td>2970</td>
<td>Expression and Silencing of the Microtubule-Associated Protein Tau in Breast Cancer Cells</td>
<td>Tatiana Spicakova, Maureen M. O’Brien, George E. Duran, Alejandro Sweet-Cordero, and Branimir I. Sikic</td>
</tr>
</tbody>
</table>
Cis-dichlorodiammineplatinum Upregulates Angiotensin II Type 1 Receptors through Reactive Oxygen Species Generation and Enhances VEGF Production in Bladder Cancer
Nobuyuki Tanaka, Akira Miyajima, Takeo Kosaka, Suguru Shirotake, Masanori Hasegawa, Eiji Kikuchi, and Mototsugu Oya

SCH 2047069, a Novel Oral Kinesin Spindle Protein Inhibitor, Shows Single-Agent Antitumor Activity and Enhances the Efficacy of Chemotherapeutics

Inhalation Delivery of a Novel Diindolylmethane Derivative for the Treatment of Lung Cancer
Nkachi Ichite, Mahavir Chougule, Apurva R. Patel, Tanise Jackson, Stephen Safe, and Mandip Singh

Nanaomycin A Selectively Inhibits DNMT3B and Reactivates Silenced Tumor Suppressor Genes in Human Cancer Cells
Dirk Kuck, Thomas Caulfield, Frank Lyko, and Jose L. Medina-Franco

Hyaluronan Inhibits Postchemotherapy Tumor Regrowth in a Colon Carcinoma Xenograft Model

Targeted Delivery of Saporin Toxin by Monoclonal Antibody to the Transcobalamin Receptor, TCblR/CD320
Edward V. Quadros, Yasumi Nakayama, and Jeffrey M. Sequeira

RITA Inhibits Multiple Myeloma Cell Growth through Induction of p53-Mediated Caspase-Dependent Apoptosis and Synergistically Enhances Nutlin-Induced Cytotoxic Responses
Manujendra N. Saha, Hua Jiang, Asuka Mukai, and Hong Chang

Enzymatic Depletion of Tumor Hyaluronan Induces Antitumor Responses in Preclinical Animal Models
Curtis B. Thompson, H. Michael Shepard, Patrick M. O’Connor, Salam Kadhimi, Ping Jiang, Ryan J. Osgood, Louis H. Bookbinder, Xiaoming Li, Barry J. Sugarman, Robert J. Connor, Sinisa Nadjimombati, and Gregory I. Frost

Real-time Fluorescent Resonance Energy Transfer Analysis to Monitor Drug Resistance in Chronic Myelogenous Leukemia
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Chemopreventive Effects of Pioglitazone on Chemically Induced Lung Carcinogenesis in Mice
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Exon 7 Deletion in the bcr-abl Gene Is Frequent in Chronic Myeloid Leukemia Patients and Is Not Correlated with Resistance against Imatinib
Jean-Baptiste Gaillard, Cécile Arnould, Sophie Bravo, Daniel Donadio, Carole Exbrayat, Eric Jourdan, Dorothée Reboul, Jean Chiesa, and Thierry Lavabre-Bertrand

Silencing Kinase-Interacting Stathmin Gene Enhances Erlotinib Sensitivity by Inhibiting Ser10 P27 Phosphorylation in Epidermal Growth Factor Receptor-Expressing Breast Cancer
Dongwei Zhang, Ana M. Tari, Ugur Akar, Banu K. Arun, Tiffany A. LaFortune, Rene Nieves-Alcina, Gabriel N. Hortobagyi, and Naoto T. Ueno

Ascofuranone: A Possible Therapeutic Tool for Autosomal Dominant Polycystic Kidney Disease? – Letter
Vincenzo Cardinale and Domenico Alvaro

Therapeutic Possibility of Ascofuranone for Autosomal Dominant Polycystic Kidney Disease – Response
Ji-Hak Jeong, Junji Magae, and Young-Chae Chang

PRECLINICAL DEVELOPMENT

MOLECULAR MEDICINE IN PRACTICE

LETTERS TO THE EDITOR

American Association for Cancer Research
Molecular Cancer Therapeutics

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Paclitaxel-dependent mutant Tax 11-6 has a mutation in α-tubulin that disrupts microtubule assembly, prevents cytokinesis, and leads to cells that are large and multinucleated. Live cell imaging showed that the disrupted cytoskeleton arose from an increased frequency of microtubule detachment from centrosomes and spindle poles. The presence of paclitaxel prevented microtubule detachment and allowed proliferation as normal diploid cells. For details, see the article by Ganguly and colleagues on page 2914.