

## Highlights of This Issue 2857

### THERAPEUTIC DISCOVERY

- |      |                                                                                                                                                                                                                                                                                                                                                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2859 | <p><b>I-387, a Novel Antimitotic Indole, Displays a Potent <i>In vitro</i> and <i>In vivo</i> Antitumor Activity with Less Neurotoxicity</b><br/>Sunjoo Ahn, Charles B. Duke III, Christina M. Barrett, Dong Jin Hwang, Chien-Ming Li, Duane D. Miller, and James T. Dalton</p>                                                                    | 2924 | <p><b>Reovirus Virotherapy Overrides Tumor Antigen Presentation Evasion and Promotes Protective Antitumor Immunity</b><br/>Shashi A. Gujar, Paola Marcato, Da Pan, and Patrick W.K. Lee</p>                                                                                                                                                                                                                       |
| 2869 | <p><b>The Synthetic Caged <i>Garcinia</i> Xanthone Cluvenone Induces Cell Stress and Apoptosis and Has Immune Modulatory Activity</b><br/>Ayse Batova, Diego Altomare, Oraphin Chantarasriwong, Kari L. Ohlsen, Kim E. Creek, You-Chin Lin, Amy Messersmith, Alice L. Yu, John Yu, and Emmanuel A. Theodorakis</p>                                 | 2934 | <p><b>A Novel Human Dynactin-Associated Protein, dynAP, Promotes Activation of Akt, and Ergosterol-Related Compounds Induce dynAP-Dependent Apoptosis of Human Cancer Cells</b><br/>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</p> |
| 2879 | <p><b>Cucurbitacin I Suppressed Stem-Like Property and Enhanced Radiation-Induced Apoptosis in Head and Neck Squamous Carcinoma-Derived CD44<sup>+</sup>ALDH1<sup>+</sup> Cells</b><br/>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</p> | 2943 | <p><b>A MicroRNA Screen to Identify Modulators of Sensitivity to BCL2 Inhibitor ABT-263 (Navitoclax)</b><br/>Lloyd T. Lam, Xin Lu, Haichao Zhang, Rick Lesniewski, Saul Rosenberg, and Dimitri Semizarov</p>                                                                                                                                                                                                      |
| 2893 | <p><b>PUMA Induction by FoxO3a Mediates the Anticancer Activities of the Broad-Range Kinase Inhibitor UCN-01</b><br/>Crissy Dudgeon, Peng Wang, Xiameng Sun, Rui Peng, Quanhong Sun, Jian Yu, and Lin Zhang</p>                                                                                                                                    | 2951 | <p><b>Knockdown of Inwardly Rectifying Potassium Channel Kir2.2 Suppresses Tumorigenesis by Inducing Reactive Oxygen Species-Mediated Cellular Senescence</b><br/>Inkyoung Lee, Chaehwa Park, and Won Ki Kang</p>                                                                                                                                                                                                 |
| 2903 | <p><b>Adamantyl-Substituted Retinoid-Related Molecules Induce Apoptosis in Human Acute Myelogenous Leukemia Cells</b><br/>Lulu Farhana, Marcia I. Dawson, Zebin Xia, Amro Aboukameel, Liping Xu, Gang Liu, Jayanta K. Das, James Hatfield, Edi Levi, Ramzi Mohammad, and Joseph A. Fontana</p>                                                     | 2960 | <p><b>Antitumor Effect of Temsirolimus against Oral Squamous Cell Carcinoma Associated with Bone Destruction</b><br/>Tatsuo Okui, Tsuyoshi Shimo, Takuya Fukazawa, Naito Kurio, Nur Mohammad Monsur Hassan, Tatsuki Honami, Munenori Takaoka, Yoshio Naomoto, and Akira Sasaki</p>                                                                                                                                |
| 2914 | <p><b>Paclitaxel-Dependent Cell Lines Reveal a Novel Drug Activity</b><br/>Anutosh Ganguly, Hailing Yang, and Fernando Cabral</p>                                                                                                                                                                                                                  | 2970 | <p><b>Expression and Silencing of the Microtubule-Associated Protein Tau in Breast Cancer Cells</b><br/>Tatiana Spicakova, Maureen M. O'Brien, George E. Duran, Alejandro Sweet-Cordero, and Branimir I. Sikic</p>                                                                                                                                                                                                |

2982 **Cis-dichlorodiammineplatinum Upregulates Angiotensin II Type 1 Receptors through Reactive Oxygen Species Generation and Enhances VEGF Production in Bladder Cancer**  
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3090 **Silencing Kinase-Interacting Stathmin Gene Enhances Erlotinib Sensitivity by Inhibiting Ser<sup>10</sup> p27 Phosphorylation in Epidermal Growth Factor Receptor-Expressing Breast Cancer**  
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## LETTERS TO THE EDITOR

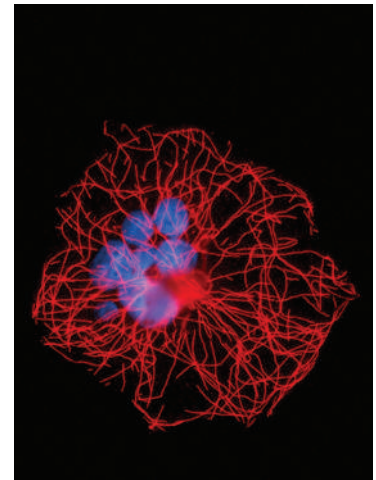
3100 **Ascofuranone: A Possible Therapeutic Tool for Autosomal Dominant Polycystic Kidney Disease? – Letter**  
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## ABOUT THE COVER

Paclitaxel-dependent mutant Tax 11-6 has a mutation in  $\alpha$ -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.



# Molecular Cancer Therapeutics

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*Mol Cancer Ther* 2010;9:2857-3101.

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