

## Highlights of This Issue 709

### THERAPEUTIC DISCOVERY

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|-----|---|-----|---|
| 711 | <p><b>hTERT Promotes Imatinib Resistance in Chronic Myeloid Leukemia Cells: Therapeutic Implications</b></p> <p>Laure Deville, Josette Hillion, Frédéric Pendino, Mona Samy, Eric Nguyen, and Evelyne Ségal-Bendirdjian</p>   | 770 | <p><b>An Antibody Targeted to VEGFR-2 Ig Domains 4-7 Inhibits VEGFR-2 Activation and VEGFR-2-Dependent Angiogenesis without Affecting Ligand Binding</b></p> <p>Jane Kendrew, Cath Eberlein, Brad Hedberg, Karen McDaid, Neil R. Smith, Hazel M. Weir, Stephen R. Wedge, David C. Blakey, Ian Foltz, Joe Zhou, Jaspal S. Kang, and Simon T. Barry</p> |
| 720 | <p><b>Modulation of Protein Phosphatase 2A Activity Alters Androgen-Independent Growth of Prostate Cancer Cells: Therapeutic Implications</b></p> <p>Arun Bhardwaj, Seema Singh, Sanjeev K. Srivastava, Richard E. Honkanen, Eddie Reed, and Ajay P. Singh</p>                    | 784 | <p><b>Determinants of Mitotic Catastrophe on Abrogation of the G<sub>2</sub> DNA Damage Checkpoint by UCN-01</b></p> <p>Kin Fan On, Yue Chen, Hoi Tang Ma, Jeremy P.H. Chow, and Randy Y.C. Poon</p>  |
| 732 | <p><b>CCN1, a Candidate Target for Zoledronic Acid Treatment in Breast Cancer</b></p> <p>Ingrid Espinoza, Hong Liu, Robert Busby, and Ruth Lupu</p>   | 795 | <p><b>(-)-Gossypol Suppresses the Growth of Human Prostate Cancer Xenografts via Modulating VEGF Signaling-Mediated Angiogenesis</b></p> <p>Xiufeng Pang, Yuanyuan Wu, Yougen Wu, Binbin Lu, Jing Chen, Jieqiong Wang, Zhengfang Yi, Weijing Qu, and Mingyao Liu</p>  |
| 742 | <p><b>A YKL-40-Neutralizing Antibody Blocks Tumor Angiogenesis and Progression: A Potential Therapeutic Agent in Cancers</b></p> <p>Michael Faibish, Ralph Francescone, Brooke Bentley, Wei Yan, and Rong Shao</p>  | 806 | <p><b>Dependence on the MUC1-C Oncoprotein in Non-Small Cell Lung Cancer Cells</b></p> <p>Deepak Raina, Michio Kosugi, Rehan Ahmad, Govind Panchamoorthy, Hasan Rajabi, Maroof Alam, Takeshi Shimamura, Geoffrey I. Shapiro, Jeffrey Supko, Surender Kharbanda, and Donald Kufe</p>   |
| 752 | <p><b>Evaluating the Consistency of Differential Expression of MicroRNA Detected in Human Cancers</b></p> <p>Xue Gong, Ruihong Wu, Hongwei Wang, Xinwu Guo, Dong Wang, Yunyan Gu, Yuannv Zhang, Wenyuan Zhao, Lixin Cheng, Chenguang Wang, and Zheng Guo</p>                      | 817 | <p><b>Antitumor Activity of the Hsp90 Inhibitor IPI-504 in HER2-Positive Trastuzumab-Resistant Breast Cancer</b></p> <p>Maurizio Scaltriti, Violeta Serra, Emmanuel Normant, Marta Guzman, Olga Rodriguez, Alice R. Lim, Kelly L. Slocum, Kip A. West, Varenka Rodriguez, Ludmila Prudkin, José Jimenez, Claudia Aura, and José Baselga</p>           |
| 761 | <p><b>Enhanced Chemotherapy of Cancer Using pH-Sensitive Mesoporous Silica Nanoparticles to Antagonize P-Glycoprotein-Mediated Drug Resistance</b></p> <p>I-Ping Huang, Shu-Pin Sun, Shih-Hsun Cheng, Chia-Hung Lee, Chia-Yan Wu, Chung-Shi Yang, Leu-Wei Lo, and Yiu-Kay Lai</p> | 825 | <p><b>High-Throughput Screen Identifies Novel Inhibitors of Cancer Biomarker <math>\alpha</math>-Methylacyl Coenzyme A Racemase (AMACR/P504S)</b></p> <p>Brice A.P. Wilson, Haofan Wang, Benjamin A. Nacev, Ronnie C. Mease, Jun O. Liu, Martin G. Pomper, and William B. Isaacs</p>  |

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## PRECLINICAL DEVELOPMENT

839 | **Caspase-3-Dependent Mitotic Checkpoint Inactivation by the Small-Molecule Inducers of Mitotic Slippage SU6656 and Geraldol**  
Jenna L. Riffell, Reiner U. Jänicke, and Michel Roberge

850 | **A Human Model of Epithelial to Mesenchymal Transition to Monitor Drug Efficacy in Hepatocellular Carcinoma Progression**  
Franziska van Zijl, Sabine Mall, Georg Machat, Christine Pirker, Robert Zeillinger, Andreas Weinhaeusel, Martin Bilban, Walter Berger, and Wolfgang Mikulits

861 | **Assessing the Activity of Cediranib, a VEGFR-2/3 Tyrosine Kinase Inhibitor, against VEGFR-1 and Members of the Structurally Related PDGFR Family**  
Sandra R. Brave, Kirsty Ratcliffe, Zena Wilson, Neil H. James, Sue Ashton, Anna Wainwright, Jane Kendrew, Philippa Dudley, Nicola Broadbent, Graham Sproat, Sian Taylor, Claire Barnes, Jeffrey C. Silva, Charles L. Farnsworth, Laurent Hennequin, Donald J. Ogilvie, Juliane M. Jürgensmeier, Masabumi Shibuya, Stephen R. Wedge, and Simon T. Barry

874 | **2-Methoxyestradiol Analogue ENMD-1198 Reduces Breast Cancer-Induced Osteolysis and Tumor Burden Both *In Vitro* and *In Vivo***  
Thomas J.A. Snoeks, Isabel M. Mol, Ivo Que, Eric L. Kaijzel, and Clemens W.G.M. Löwik

883 | **Curcumin Inhibition of the Functional Interaction between Integrin  $\alpha 6\beta 4$  and the Epidermal Growth Factor Receptor**  
Young Hwa Soung and Jun Chung

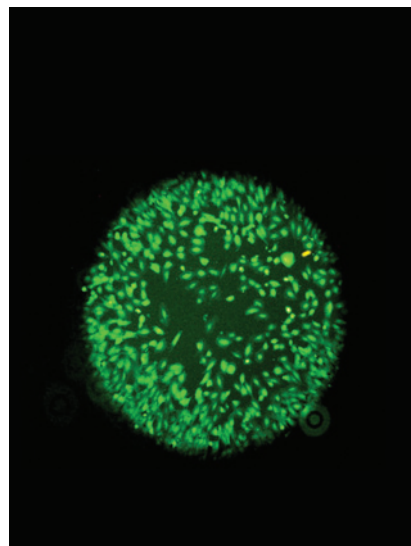
892 | **Bortezomib Sensitizes HCC Cells to CS-1008, an Antihuman Death Receptor 5 Antibody, through the Inhibition of CIP2A**  
Kuen-Feng Chen, Hui-Chuan Yu, Chun-Yu Liu, Hui-Ju Chen, Yi-Ching Chen, Duen-Ren Hou, Pei-Jer Chen, and Ann-Lii Cheng

902 | **Therapeutic Potential and Molecular Mechanism of a Novel, Potent, Nonpeptide, Smac Mimetic SM-164 in Combination with TRAIL for Cancer Treatment**  
Jianfeng Lu, Donna McEachern, Haiying Sun, Longchuan Bai, Yuefeng Peng, Su Qiu, Rebecca Miller, Jinhui Liao, Han Yi, Meilan Liu, Anita Bellail, Chunhai Hao, Shi-Yong Sun, Adrian T. Ting, and Shaomeng Wang

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## ABOUT THE COVER

Migration of hepatocellular carcinoma (HCC) cells that have undergone epithelial to mesenchymal transition (EMT). The 3sp cells transdifferentiated from malignant hepatocytes in the HCC patient via EMT show a migratory potential as determined by Platypus technology that can be modulated by pharmacological interference. Migrating cells are visualized by staining with CellTracker. For details, see article by van Zijl and colleagues on page 850.



# Molecular Cancer Therapeutics

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