### Table of Contents

**Highlights of This Issue** 845

**REVIEW**

847  
**PD-L1 Expression as a Predictive Biomarker in Cancer Immunotherapy**  
Sandip Pravin Patel and Razelle Kurzrock

**SMALL MOLECULE THERAPEUTICS**

857  
**Preclinical Pharmacological Evaluation of Letrozole as a Novel Treatment for Gliomas**  
Nimita Dave, Lionel M.L. Chow, Gary A. Gudelsky, Kathleen LaSance, Xiaoyang Qi, and Pankaj B. Desai

865  
**Functional Genetic Screen Identifies Increased Sensitivity to WEE1 Inhibition in Cells with Defects in Fanconi Anemia and HR Pathways**  
Marice Aarts, Ilirjana Bajrami, Maria T. Herrera-Abreu, Richard Elliott, Rachel Brough, Alan Ashworth, Christopher J. Lord, and Nicholas C. Turner

877  
**ATF4 Gene Network Mediates Cellular Response to the Anticancer PAD Inhibitor YW3-56 in Triple-Negative Breast Cancer Cells**  
Shu Wang, Yangyun Amy Chen, Jing Hu, Jian-kang Jiang, Yunfei Li, Ka Yim Chan-Salis, Ying Gu, Gong Chen, Craig Thomas, B. Franklin Pugh, and Yanning Wang

889  
**The Combination of the PARP Inhibitor Rucaparib and 5FU Is an Effective Strategy for Treating Acute Leukemias**  
Maria Vittoria Verga Falzacappa, Chiara Ronchini, Mario Faretta, Ilaria Iacobucci, Andrea Ghelli Luserna Di Rorà, Giovanni Martinelli, Ludin Hinrich Meyer, Klaus-Michael Debatin, Stefania Orecchioni, Francesco Bertolini, and Pier Giuseppe Pellici

909  
**IKKβ Regulates VEGF Expression and Is a Potential Therapeutic Target for Ovarian Cancer as an Antiangiogenic Treatment**  

920  
**Efficacy of Carboplatin Alone and in Combination with ABT888 in Intracranial Murine Models of BRCA-Mutated and BRCA–Wild-Type Triple-Negative Breast Cancer**  

931  
**The Selective PI3K Inhibitor XL147 (SAR245408) Inhibits Tumor Growth and Survival and Potentiates the Activity of Chemotherapeutic Agents in Preclinical Tumor Models**  

**LARGE MOLECULE THERAPEUTICS**

941  
**New Blocking Antibodies against Novel AGR2–C4.4A Pathway Reduce Growth and Metastasis of Pancreatic Tumors and Increase Survival in Mice**  
Thinuvengadam Arumugam, Deleng Deng, Laura Bover, Huamin Wang, Craig D. Logsdon, and Vijaya Ramachandran

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<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>964</td>
<td>Nonclinical Safety Evaluation of VX15/2503, a Humanized IgG4 Anti-SEMA4D Antibody</td>
<td>John E. Leonard, Terrence L. Fisher, Laurie A. Winter, Chad A. Cornelius, Christine Reilly, Ernest S. Smith, and Maurice Zauderer</td>
</tr>
<tr>
<td>982</td>
<td>The IGF-Trap: Novel Inhibitor of Carcinoma Growth and Metastasis</td>
<td>Ni Wang, Roni F. Rayes, Seyyed Mehdy Elahi, Yifan Lu, Mark A. Hancock, Bernard Massie, Gerald E. Rowe, Hafida Aomari, Sazzad Hossain, Yves Durocher, Maxime Pinard, Sébastien Tabaries, Peter M. Siegel, and Pnina Brodt</td>
</tr>
<tr>
<td>1004</td>
<td>Trifluridine Induces p53-Dependent Sustained G2 Phase Arrest with Its Massive Misincorporation into DNA and Few DNA Strand Breaks</td>
<td>Kazuaki Matsuoka, Makoto Iimori, Shinichiro Niimi, Hiroshi Tsuchihara, Sugiko Watanabe, Shinichi Kiyonari, Mamoru Kiniwa, Koji Ando, Eriko Tokunaga, Hiroshi Saeki, Eiji Oki, Yoshihiko Maehara, and Hiroyuki Kitao</td>
</tr>
</tbody>
</table>
Polymorphic CAG Repeat and Protein Expression of Androgen Receptor Gene in Colorectal Cancer
Rui Huang, Guiyu Wang, Yanni Song, Feng Wang, Bing Zhu, Qingchao Tang, Zheng Liu, Yinggang Chen, Qian Zhang, Shan Muhammad, and Xishan Wang

Multifunctional Polymeric Micelles Co-loaded with Anti-Survivin siRNA and Paclitaxel Overcome Drug Resistance in an Animal Model of Ovarian Cancer
Giuseppina Salzano, Gemma Navarro, Malav S. Trivedi, Giuseppe De Rosa, and Vladimir P. Torchilin

ABOUT THE COVER
Deregulation of cell-cycle checkpoints is a feature of many different cancer types. WEE1 kinase plays an important role in the maintenance of these cell-cycle checkpoints by inhibiting cyclin-dependent kinase (CDK) activity. Through siRNA screening, it was found that cancer cells with defects in Fanconi Anemia (FA) and homologous recombination pathways were more sensitive to WEE1 inhibition. The cover image shows that WEE1 inhibition in cells depleted of FA protein FANCM resulted in increased replication stress (pan-nuclear γH2AX staining in green) and premature entry into mitosis (yellow). Phospho-histone H3 staining (red) was used to identify mitotic cells. DNA was counterstained with DAPI (blue). For details, see the article by Aarts and colleagues on page 865.