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
Marieke 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, Xiangyun Amy Chen, Jing Hu, Jian-kang Jiang, Yunfei Li, Ka Yim Chan-Salis, Ying Gu, Gong Chen, Craig Thomas, B. Franklin Pugh, and Yannming 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 Rosà, Giovanni Martinelli, Luder Hinrich Meyer, Klaus-Michael Debatin, Stefania Orecchioni, Francesco Bertolini, and Pier Giuseppe Pelicci

899 Magnetic Resonance Spectroscopy for Detection of Choline Kinase Inhibition in the Treatment of Brain Tumors
Manoj Kumar, Sean P. Arlauckas, Sona Sakseena, Gaurav Verma, Ranjit Iyterah, Stephen Pickup, Anatoliy V. Popov, Edward J. Delikatny, and Harish Poptani

LARGE MOLECULE THERAPEUTICS

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

941 New Blocking Antibodies against Novel AGR2–C4.4A Pathway Reduce Growth and Metastasis of Pancreatic Tumors and Increase Survival in Mice
Thiruvengadam Arumugam, Deleng Deng, Laura Bover, Huamin Wang, Craig D. Logsdon, and Vijaya Ramachandran
Tumor Cells Chronically Treated with a Trastuzumab–Maytansinoid Antibody–Drug Conjugate Develop Varied Resistance Mechanisms but Respond to Alternate Treatments

Frank Loganzo, Xingzhi Tan, Matthew Sung, Guixian Jin, Jeremy S. Myers, Eugene Melamud, Steven H. Young, Liang Han, James S. Simet-Smith, and Enrique Rozengurt

Nonclinical Safety Evaluation of VX15/2503, a Humanized IgG4 Anti-SEMA4D Antibody

John E. Leonard, Terrence L. Fisher, Laurie A. Winter, Chad A. Cornelius, Christine Reilly, Ernest S. Smith, and Maurice Zauderer

A Novel Neutralizing Antibody Targeting Pregnancy-Associated Plasma Protein-A Inhibits Ovarian Cancer Growth and Ascites Accumulation in Patient Mouse Tumorgrafts

Marc A. Becker, Paul Haluska Jr, Laurie K. Bale, Claus Oxvig, and Cheryl A. Conover

The IGF-Trap: Novel Inhibitor of Carcinoma Growth and Metastasis

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 Pmand, Sébastien Tabaries, Peter M. Siegel, and Pnina Brodt

Dual PI3K/mTOR Inhibitors Induce Rapid Overactivation of the MEK/ERK Pathway in Human Pancreatic Cancer Cells through Suppression of mTORC2

Helois A. Soares, Ming Ming, Michelle Mellion, Steven H. Young, Liang Han, James S. Simet-Smith, and Enrique Rozengurt

Targeting Integrin-Linked Kinase Suppresses Invasion and Metastasis through Downregulation of Epithelial-to-Mesenchymal Transition in Renal Cell Carcinoma

Kyung Seok Han, Na Li, Peter A. Raven, Ladan Fazli, Susan Ettinger, Sung Joon Hong, Martin E. Gleave, and Alan I. So

Targeted Blockade of JAK/STAT3 Signaling Inhibits Ovarian Carcinoma Growth

Galina Gritsitsn, Fang Xiao, Shane W. O’Brien, Rashid Gabbasov, Marisa A. Maglasy, Ren-Huan Xu, Roshan J. Thapa, Yan Zhou, Emmanuel Nicolos, Samuel Littwin, Siddharth Balachandran, Luis J. Sigal, Dennis Huszar, and Denise C. Connolly

Biomarker Signatures Correlate with Clinical Outcome in Refractory Metastatic Colorectal Cancer Patients Receiving Bevacizumab and Everolimus

Yingmiao Liu, Mark D. Starr, John C. Brady, Christel Rushing, Anuradha Balu, Herbert Pang, Wanda Honeycutt, Anthony Amara, Ivy Alomare, Hope E. Uronis, Herbert I. Hurwitz, and Andrew B. Nixon

Transcriptomic and Protein Expression Analysis Reveals Clinicopathological Significance of Bloom Syndrome Helicase (BLM) in Breast Cancer

Arvind Arora, Tarek M.A. Abdel-Fatah, Devika Agarwal, Rachel Doherty, Paul M. Moseley, Mohammed A. Aleksandaran, Andrew R. Green, Graham Ball, Ala T. Alshmareda, Emad A. Rakha, Stephen Y.T. Chan, Ian O. Ellis, and Srinivasan Madhusudan
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.
Molecular Cancer Therapeutics

14 (4)


| Updated version | Access the most recent version of this article at:  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><a href="http://mct.aacrjournals.org/content/14/4">http://mct.aacrjournals.org/content/14/4</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E-mail alerts</th>
<th>Sign up to receive free email-alerts related to this article or journal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reprints and Subscriptions</td>
<td>To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at <a href="mailto:pubs@aacr.org">pubs@aacr.org</a>.</td>
</tr>
<tr>
<td>Permissions</td>
<td>To request permission to re-use all or part of this article, use this link <a href="http://mct.aacrjournals.org/content/14/4">http://mct.aacrjournals.org/content/14/4</a>. Click on &quot;Request Permissions&quot; which will take you to the Copyright Clearance Center's (CCC) Rightslink site.</td>
</tr>
</tbody>
</table>