# TABLE OF CONTENTS

## HIGHLIGHTS

1613 Selected Articles from This Issue

## RAPID IMPACT

1615 Tumor-Resident Stromal Cells Promote Breast Cancer Invasion through Regulation of the Basal Phenotype
Christopher J. Hanley, Elodie Henriet, Orit Katarina Sirka, Gareth J. Thomas, and Andrew J. Ewald

## CANCER GENES AND NETWORKS

1623 Merkel Cell Polyomavirus Small T Antigen Activates Noncanonical NF-κB Signaling to Promote Tumorigenesis
Jiawei Zhao, Yuemeng Jia, Shunli Shen, Jwoong Kim, Xin Wang, Eunice Lee, Isaac Brownell, Jeong Hee Cho-Vega, Cheryl Lewis, Jade Homsi, Rohit R. Sharma, and Richard C. Wang

1638 RNF8 Promotes Epithelial–Mesenchymal Transition in Lung Cancer Cells via Stabilization of Slug
Jingyu Kuang, Lu Min, Chuanyang Liu, Si Chen, Changsong Gao, Jiaxin Ma, Xiaomin Wu, Wenyi Li, Lei Wu, and Lingyun Zhu

1650 Wnt/β-Catenin Signaling Axis Is Required for TFE3-Mediated Gastric Cancer Metastasis and Epithelial–Mesenchymal Transition
Shuxuan Li, Fenglin Liu, Ling Xu, Can Li, Xu Yang, Bao Guo, Jianxin Gu, and Lan Wang

1660 RCC2 Promotes Esophageal Cancer Growth by Regulating Activity and Expression of the Sox2 Transcription Factor
Ali Calderon-Aparicio, Hiroyuki Yamamoto, Humberto De Vitto, Tianshun Zhang, Qishi Wang, Ann M. Bode, and Zigar Dong

1675 RICTOR Amplification Promotes NSCLC Cell Proliferation through Formation and Activation of mTORC2 at the Expense of mTORC1
Laura C. Kim, Christopher H. Rhee, and Jin Chen

## GENOME MAINTENANCE

1685 Discrete Adaptive Responses to MEK Inhibitor in Subpopulations of Triple-Negative Breast Cancer
Daniel R. Goulet, Joseph P. Foster II, Jon S. Zawistowski, Samantha M. Bevill, Mélanie P. Noël, José F. Olivares-Quintero, Noah Scialy, Darshan Singh, Charlene Santos, Samantha G. Pattenden, Ian J. Davis, and Gary L. Johnson

## RNA BIOLOGY

1699 Platinum-Induced Ubiquitination of Phosphorylated H2AX by RING1A is Mediated by Replication Protein A in Ovarian Cancer

## SIGNAL TRANSDUCTION AND FUNCTIONAL IMAGING

1711 Diffuse Intrinsic Pontine Glioma Cells Are Vulnerable to Mitotic Abnormalities Associated with BMI-1 Modulation
Shiva Senthil Kumar, Satarupa Sengupta, Xiaoting Zhu, Deepak Kumar Mishra, Timothy Phoenix, Lisa Dyer, Christine Fuller, Charles B. Stevenson, Mariko DeWire, Maryam Fouladi, and Rachid Drissi

1724 A LHFL3-AS1/miR-580-3p/STAT3 Feedback Loop Promotes the Malignancy in Melanoma via Activation of JAK2/STAT3 Signaling
Qian Peng, Linbo Liu, Hui Pei, Jianwen Zhang, Minjing Chen, and Xiaomei Zhai

1735 Phosphorylation of PLCγ1 by EphA2 Receptor Tyrosine Kinase Promotes Tumor Growth in Lung Cancer
Wenqiang Song, Laura C. Kim, Wei Han, Yuan Hou, Deanna N. Edwards, Shang Wang, Timothy S. Blackwell, Feixiong Cheng, Dana M. Brantly-Sieders, and Jin Chen
TUMOR MICROENVIRONMENT AND IMMUNOBIOLOGY

1744 Interplay Between V-ATPase G1 and Small EV-miRNAs Modulates ERK1/2 Activation in GBM Stem Cells and Nonneoplastic Milieu
Irene Bertolini, Alessandra Maria Storaci, Andrea Terrasi, Andrea Di Cristofori, Marco Locatelli, Manuela Caroli, Stefano Ferrero, Dario C. Altieri, and Valentina Vaira

LETTERS TO THE EDITOR

1755 “Serine and One-Carbon Metabolism in Breast Cancer Metastasis”—Letter
Connor J. Kinslow, Ramon C. Sun, Kunal R. Chaudhary, and Simon K. Cheng

ABOUT THE COVER

Tumor development and progression hinge upon ongoing co-evolution and crosstalk with the tumor microenvironment. In particular, fibroblasts in the stromal compartment are co-opted to support tumor growth and survival through heterotypic interactions with tumor cells. The cover depicts a novel co-culture method in which breast cancer organoids (white) are seeded alongside autologous cancer-associated fibroblasts (red). Using this new model, the authors demonstrate persistent tumor—stroma interactions that regulate the molecular phenotype and aggressiveness of cancer cells. For more information, see the Highlight on page 1613 and the article on page 1615.
# Molecular Cancer Research

## 18 (11)


<table>
<thead>
<tr>
<th>Updated version</th>
<th>Access the most recent version of this article at: <a href="http://mcr.aacrjournals.org/content/18/11">http://mcr.aacrjournals.org/content/18/11</a></th>
</tr>
</thead>
</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://mcr.aacrjournals.org/content/18/11">http://mcr.aacrjournals.org/content/18/11</a>. Click on &quot;Request Permissions&quot; which will take you to the Copyright Clearance Center's (CCC) Rightslink site.</td>
</tr>
</tbody>
</table>