Tyrosine Phosphorylation of p27Kip1 Correlates with Palbociclib Responsiveness in Breast Cancer Tumor Cells Grown in Explant Culture
Susan R.S. Gottesman, Jonathan Somma, Vladislav Tsiperson, Lisa Dresner, Usha Govindarajulu, Priyank Patel, and Stacy W. Blain

Discovery and Characterization of Recurrent, Targetable ALK Fusions in Leiomyosarcoma
Lara E. Davis, Kevin D. Nusser, Joanna Przybyl, Janet Pittsenbarger, Nicolle E. Hofmann, Sushama Varma, Suyaj Vennam, Maria Debiec-Rychter, Matt van de Rijn, and Monika A. Davare

Epigenetic Regulation ofDlg1, via Kaiso, Alters Mitotic Spindle Polarity and Promotes Intestinal Tumorigenesis
Madeleine A. Young, Stephanie May, Angelos Damo, Young So Yoon, Man-Wook Hur, Wojiech Swat, and Lee Parry

Growth Factor–Independent 1 Is a Tumor Suppressor Gene in Colorectal Cancer
Min-Shan Chen, Yuan-Hung Lo, Xi Chen, Christopher S. Williams, Jessica M. Donnelly, Zachary K. Grias II, Shreena Patel, Joann M. Butkus, Julien Dubrulle, Milton J. Finegold, and Noah F. Shroyer

The Tumor Suppressor FBW7 and the Vitamin D Receptor Are Mutual Cofactors in Protein Turnover and Transcriptional Regulation
Reyhaneh Salehi-Tabar, Babak Mtemari, Hilary Wong, Vassil Dimitrov, Natacha Rochel, and John H. White

CREBBP/EP300 Bromodomain Inhibition Affects the Proliferation of AR-Positive Breast Cancer Cell Lines
Veronica Garcia-Carpizo, Sergio Ruiz-Llorente, Jacinto Sarmentero, Ana Gonzalez-Corpus, and Maria J. Berrero

Multiclonality and Marked Branched Evolution of Low-Grade Endometrioid Endometrial Carcinoma
Lorena Lazo de la Vega, Mia C. Samaha, Kevin Hu, Nolan R. Bick, Javed Siddiqui, Daniel H. Hovelson, Chia-Jen Liu, Cody S. Carter, Kathleen R. Cho, Andrew P. Sciallis, and Scott A. Tomlins

Ovarian Tumor Cell Expression of Claudin-4 Reduces Apoptotic Response to Paclitaxel
Christopher Breed, Douglas A. Hicks, Carly E. Galimianis, Benjamin G. Bix, Kian Behbahani, and Heidi K. Baumgartner

Combinations of Tyrosine Kinase Inhibitor and ERAD Inhibitor Promote Oxidative Stress–Induced Apoptosis through ATF4 and KLF9 in Medullary Thyroid Cancer
Rozita Bagheri-Yarmand, Krishna M. Sinha, Ling Li, Yue Lu, Gilbert J. Cote, Steven I. Sherman, and Robert F. Gagel

NF-κB and Poly (ADP-ribose) Polymerase 1 Form a Positive Feedback Loop that Regulates DNA Repair in Acute Myeloid Leukemia Cells
Ding Li, Yufe Peng, Xianling Chen, LingYi Zhang, Tingting Wang, Yingting Zhong, Yingjian Fan, Jianhua Xu, Yuanzhong Chen, and LiXian Wu

The Antitumor Drugs Trabectedin and Lurbinectedin Induce Transcription-Dependent Replication Stress and Genome Instability
Emanuela Tumini, Emilia Herrera-Moyano, Marta San Martin-Alonso, Sonia Barroso, Carlos M. Galmarini, and Andres Aguiler
## TABLE OF CONTENTS

### SIGNAL TRANSDUCTION AND FUNCTIONAL IMAGING

783  CCL2 Is a Vascular Permeability Factor Inducing CCR2-Dependent Endothelial Retraction during Lung Metastasis  
Marko Roblek, Darya Protsyuk, Paul F. Becker, Cristina Stefanescu, Christian Gorzelanny, Jesus F. Glaus Garzon, Lucia Knopfova, Mathias Heikenwalder, Bruno Luckow, Stefan W. Schneider, and Lubor Borsig

794  Reactive Oxygen Species (ROS)-Inducing Triterpenoid Inhibits Rhabdomyosarcoma Cell and Tumor Growth through Targeting Sp Transcription Factors  
Ravi Kasiappan, Indira Jutooru, Kamaravel Mohankumar, Keshav Karki, Alexandra Lacey, and Stephen Safe

### TUMOR MICROENVIRONMENT AND IMMUNOBIOLOGY

806  Interactions with Muscle Cells Boost Fusion, Stemness, and Drug Resistance of Prostate Cancer Cells  
Berna Uygur, Evgenia Leikina, Kamran Melikov, Rafael Villasmit, Santosh K. Verma, Calvin P.H. Vary, and Leonid V. Chernomordik

821  Periprostatic Adipose Tissue Favors Prostate Cancer Cell Invasion in an Obesity-Dependent Manner: Role of Oxidative Stress  
Victor Laurent, Aurélie Toulet, Camille Attané, Delphine Milhas, Stéphanie Dauvillier, Falek Zaidi, Emily Clement, Mathieu Cinato, Sophie Le Gonidec, Adrien Guérard, Camille Lehuédé, David Garandeau, Laurence Nieto, Edith Renaud-Gabardos, Anne-Catherine Piats, Philippe Valet, Bernard Malavaud, and Catherine Muller

### ABOUT THE COVER

Epigenetic control of cellular polarity has recently come under scrutiny as a potential driver of tumorigenesis and progression. The cover shows a whole mount immunofluorescence image of an intestinal cell organoid in which the scaffold protein Dlg1 had been disrupted (green: phalloidin; red: lysozyme; blue: DAPI). Loss of Dlg1 does not affect the cells’ ability to maintain polarity, but rather causes improper orientation of the mitotic spindle and loss of planar cell division, causing increased dwelling time in intestinal crypts. The authors suggest that delayed exit from the crypts allows for additional time to accumulate and retain mutations without increasing the overall mutation rate, thus contributing to a “tumor-permissive” environment in the intestine. Please see the article by Young and colleagues (beginning on page 686) for more information.
Molecular Cancer Research

17 (3)


Updated version
Access the most recent version of this article at:
http://mcr.aacrjournals.org/content/17/3

E-mail alerts
Sign up to receive free email-alerts related to this article or journal.

Reprints and Subscriptions
To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions
To request permission to re-use all or part of this article, use this link http://mcr.aacrjournals.org/content/17/3.
Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.