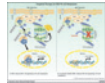


Highlights of This Issue 837

MCR RapidIMPACT

- 839** Targeted Therapy for EBV-Associated B-cell Neoplasms
Siddhartha Ganguly, Sudhakaranmayi Kuravi, Satyanarayana Alleboina, Giridhar Mudduluru, Roy A. Jensen, Joseph P. McGuirk, and Ramesh Balusu



CANCER GENES AND NETWORKS

- 845** Epigenetic Suppression of SERPINB1 Promotes Inflammation-Mediated Prostate Cancer Progression
Irina Lerman, Xiaoting Ma, Christina Seger, Aerken Maolake, Maria de la Luz Garcia-Hernandez, Javier Rangel-Moreno, Jessica Ackerman, Kent L. Nastiuk, Martha Susiarjo, and Stephen R. Hammes
- 860** Identification of Genes Regulating Breast Cancer Dormancy in 3D Bone Endosteal Niche Cultures
Julie McGrath, Louis Panzica, Ryan Ransom, Henry G. Withers, and Irwin H. Gelman
- 870** SPHK1 Is a Novel Target of Metformin in Ovarian Cancer
Peter C. Hart, Tatsuyuki Chiyoda, Xiaojing Liu, Melanie Weigert, Marion Curtis, Chun-Yi Chiang, Rachel Loth, Ricardo Lastra, Stephanie M. McGregor, Jason W. Locasale, Ernst Lengyel, and Iris L. Romero
- 882** Serine Threonine Kinase 17A Maintains the Epithelial State in Colorectal Cancer Cells
Sarah P. Short, Joshua J. Thompson, Anthony J. Bilotta, Xi Chen, Frank L. Revetta, M. Kay Washington, and Christopher S. Williams

CANCER "-OMICS"

- 895** The Clonal Evolution of Metastatic Osteosarcoma as Shaped by Cisplatin Treatment
Samuel W. Brady, Xiaotu Ma, Armita Bahrami, Gryte Satas, Gang Wu, Scott Newman, Michael Rusch, Daniel K. Putnam, Heather L. Mulder, Donald A. Yergeau, Michael N. Edmonson, John Easton, Ludmil B. Alexandrov, Xiang Chen, Elaine R. Mardis, Richard K. Wilson, James R. Downing, Alberto S. Pappo, Benjamin J. Raphael, Michael A. Dyer, and Jinghui Zhang

CELL FATE DECISIONS

- 907** Unraveling the Cellular Mechanism of Assembling Cholesterols for Selective Cancer Cell Death
Huaimin Wang, Zhaoqianqi Feng, Cuihong Yang, Jinjian Liu, Jamie E. Medina, S. Ali Aghvami, Daniela M. Dinulescu, Jianfeng Liu, Seth Fraden, and Bing Xu
- 918** Estrogen-Induced Apoptosis in Breast Cancers Is Phenocopied by Blocking Dephosphorylation of Eukaryotic Initiation Factor 2 Alpha (eIF2 α) Protein
Surojeet Sengupta, Catherine M. Sevigny, Poulomi Bhattacharya, V. Craig Jordan, and Robert Clarke
- 929** Ezrin Promotes Stem Cell Properties in Pancreatic Ductal Adenocarcinoma
Vesselin R. Penchev, Yu-Tai Chang, Asma Begum, Theodore Ewachiw, Christian Gocke, Joey Li, Ross H. McMillan, Qiuju Wang, Robert Anders, Luigi Marchionni, Anirban Maitra, Aykut Uren, Zeshaan Rasheed, and William Matsui

GENOME MAINTENANCE

- 937** Radiation-Induced Malignant Transformation of Preneoplastic and Normal Breast Primary Epithelial Cells
Joan Repullés, Teresa Anglada, David Soler, Juan Carlos Ramírez, Anna Genescà, and Mariona Terradas

METABOLISM

- 949** Extracellular Fatty Acids Are the Major Contributor to Lipid Synthesis in Prostate Cancer
Seher Balaban, Zeyad D. Nassar, Alison Y. Zhang, Elham Hosseini-Beheshti, Margaret M. Centenera, Mark Schreuder, Hui-Ming Lin, Atqiya Aishah, Bianca Varney, Frank Liu-Fu, Lisa S. Lee, Shilpa R. Nagarajan, Robert F. Shearer, Rae-Anne Hardie, Nikki L. Raftopoulos, Meghna S. Kakani, Darren N. Saunders, Jeff Holst, Lisa G. Horvath, Lisa M. Butler, and Andrew J. Hoy

Table of Contents

SIGNAL TRANSDUCTION AND FUNCTIONAL IMAGING

963 Effects of Oncogenic G α_q and G α_{11} Inhibition by FR900359 in Uveal Melanoma

Dominic Lapadula, Eduardo Farias, Clinita E. Randolph, Timothy J. Purwin, Dougan McGrath, Thomas H. Charpentier, Lihong Zhang, Shihua Wu, Mizue Terai, Takami Sato, Gregory C. Tall, Naiming Zhou, Philip B. Wedegaertner, Andrew E. Aplin, Julio Aguirre-Ghiso, and Jeffrey L. Benovic

974 Ovarian Cancer Cells Commonly Exhibit Defective STING Signaling Which Affects Sensitivity to Viral Oncolysis

Nina Mari Gual Pimenta de Queiroz, Tianli Xia, Hiroyasu Konno, and Glen N. Barber

987 Cortactin Phosphorylation by Casein Kinase 2 Regulates Actin-Related Protein 2/3 Complex Activity, Invadopodia Function, and Tumor Cell Invasion



Steven M. Markwell, Amanda G. Ammer, Erik T. Interval, Jessica L. Allen, Brenen W. Papenberg, River A. Hames, Johnathan E. Castaño, Dorothy A. Schafer, and Scott A. Weed

1002 Identification and Characterization of Oncogenic SOS1 Mutations in Lung Adenocarcinoma

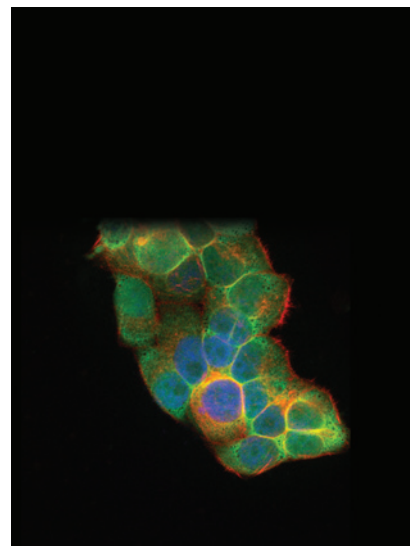
Diana Cai, Peter S. Choi, Maya Gelbard, and Matthew Meyerson

 AC icon indicates AuthorChoice

For more information please visit www.aacrjournals.org

ABOUT THE COVER

Cancer stem cells have been reported to serve as a reservoir of therapy-resistant tumor-initiating cells that maintain the viability of a tumor through chemo- and/or radiation therapy, but the mechanisms allowing their persistence are poorly understood. The cover image shows whole-mount immunofluorescence staining of L3.6pl cells in which Ezrin, a linker protein that modulates the actin cytoskeleton, was ablated with RNA interference [Red: F-actin; Green: G-actin; Blue: DAPI]. Loss of Ezrin in pancreatic stem cells was shown to decrease clonogenic growth and self-renewal capacity, suggesting that targeting Ezrin with small molecules could limit their ability to repopulate a tumor. See the article by Penchev and colleagues (beginning on page 929) for more information.



Molecular Cancer Research

17 (4)

Mol Cancer Res 2019;17:837-1012.

Updated version Access the most recent version of this article at:
<http://mcr.aacrjournals.org/content/17/4>

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/17/4>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.