

Highlights of This Issue 1959

REVIEW

- 1961** Deciphering the Role of Protein Kinase D1 (PKD1) in Cellular Proliferation
Ilige Youssef and Jean-Marc Ricort

CANCER GENES AND NETWORKS

- 1975** Ubiquitin-Specific Protease 3 Promotes Glioblastoma Cell Invasion and Epithelial-Mesenchymal Transition via Stabilizing Snail
 Ligang Fan, Zhengxin Chen, Xiaoting Wu, Xiaomin Cai, Shuang Feng, Jiacheng Lu, Huibo Wang, and Ning Liu
- 1985** Loss of MAP3K7 Sensitizes Prostate Cancer Cells to CDK1/2 Inhibition and DNA Damage by Disrupting Homologous Recombination
Satoshi Washino, Leah C. Rider, Lina Romero, Lauren K. Jillson, Trisiani Affandi, Angela M. Ohm, Elaine T. Lam, Mary E. Reyland, James C. Costello, and Scott D. Cramer
- 1999** AP-1 Signaling by Fra-1 Directly Regulates HMGA1 Oncogene Transcription in Triple-Negative Breast Cancers
Claire Tolza, Fabienne Bejjani, Emilie Evanno, Samantha Mahfoud, Gabriel Moquet-Torcy, Thierry Gostan, Muhammad Ahmad Maqbool, Olivier Kirsh, Marc Piechaczyk, and Isabelle Jariel-Encontre
- 2015** Semaphorin 4C Promotes Macrophage Recruitment and Angiogenesis in Breast Cancer
Jie Yang, Zhen Zeng, Long Qiao, Xuefeng Jiang, Jingjing Ma, Junnai Wang, Shuangmei Ye, Quanfu Ma, Juncheng Wei, Mingfu Wu, Xiaoyuan Huang, Ding Ma, and Qinglei Gao
- 2029** Abemaciclib Is Effective Against Pancreatic Cancer Cells and Synergizes with HuR and YAP1 Inhibition
Teena Dhir, Christopher W. Schultz, Aditi Jain, Samantha Z. Brown, Alex Haber, Austin Goetz, Chunhua Xi, Gloria H. Su, Liang Xu, James Posey III, Wei Jiang, Charles J. Yeo, Talia Golan, Michael J. Pishvaian, and Jonathan R. Brody

CANCER "-OMICS"

- 2042** CRISPR Editing of Mutant IDH1 R132H Induces a CpG Methylation-Low State in Patient-Derived Glioma Models of G-CIMP
Casey J. Moure, Bill H. Diplas, Lee H. Chen, Rui Yang, Christopher J. Pirozzi, Zhaohui Wang, Ivan Spasojevic, Matthew S. Waitkus, Yiping He, and Hai Yan
- 2051** BORIS Expression in Ovarian Cancer Precursor Cells Alters the CTCF Cistrome and Enhances Invasiveness through GALNT14
Joanna C. Hillman, Elena M. Pugacheva, Carter J. Barger, Sirinapa Sribenja, Spencer Rosario, Mustafa Albahrani, Alexander M. Truskinovsky, Aimee Stablewski, Song Liu, Dmitri I. Loukinov, Gabriel E. Zentner, Victor V. Lobanenko, Adam R. Karpf, and Michael J. Higgins
- 2063** The Altered Transcriptome and DNA Methylation Profiles of Docetaxel Resistance in Breast Cancer PDX Models
Jorge Gómez-Miragaya, Sebastián Morán, María Eréndira Calleja-Cervantes, Alejandro Collado-Sole, Laia Paré, Antonio Gómez, Violeta Serra, Lacey E. Dobrolecki, Michael T. Lewis, Angel Diaz-Lagares, Pilar Eroles, Alex Prat, Manel Esteller, and Eva González-Suárez

GENOME MAINTENANCE

- 2077** Enhanced Activity of Variant DNA Polymerase β (D160G) Contributes to Cisplatin Therapy by Impeding the Efficiency of NER
Meina Wang, Enjie Li, Lin Lin, Alagamuthu Karthick Kumar, Feiyan Pan, Lingfeng He, Jing Zhang, Zhigang Hu, and Zhigang Guo

METABOLISM

- 2089** HILPDA Regulates Lipid Metabolism, Lipid Droplet Abundance, and Response to Microenvironmental Stress in Solid Tumors
Matthew J. VandeKopple, Jinghai Wu, Erich N. Auer, Amato J. Giaccia, Nicholas C. Denko, and Ioanna Papandreou

Table of Contents

- 2102** Pharmacologic Ascorbate Primes Pancreatic Cancer Cells for Death by Rewiring Cellular Energetics and Inducing DNA Damage
Visarut Buranasudja, Claire M. Doskey, Adrienne R. Gibson, Brett A. Wagner, Juan Du, David J. Gordon, Stacia L. Koppenhafer, Joseph J. Cullen, and Garry R. Buettner

SIGNAL TRANSDUCTION AND FUNCTIONAL IMAGING

- 2115** A Novel FGFR3 Splice Variant Preferentially Expressed in African American Prostate Cancer Drives Aggressive Phenotypes and Docetaxel Resistance
Jacqueline Olender, Bi-Dar Wang, Travers Ching, Lana X. Garmire, Kaitlin Garofano, Youngmi Ji, Tessa Knox, Patricia Latham, Kenneth Nguyen, John Rhim, and Norman H. Lee

- 2126** β 8 Integrin Mediates Pancreatic Cancer Cell Radiochemoresistance
Sha Jin, Wei-Chun Lee, Daniela Aust, Christian Pilarsky, and Nils Cordes

LETTERS TO THE EDITOR

- 2139** "MPNST Epigenetics"—Letter
Michel Wassef, Eric Pasmant, and Raphaël Margueron
- 2140** "MPNST Epigenetics"—Response
Justin Korfhage and David B. Lombard

CORRECTION

- 2141** Correction: Tumor-Secreted LOXL2 Activates Fibroblasts through FAK Signaling



AC icon indicates AuthorChoice

For more information please visit www.aacrjournals.org

ABOUT THE COVER

IDH1 hotspot mutations are likely early events in gliomagenesis; however, they can be lost in treated secondary glioblastomas. The cover depicts the DNA helix containing CpG island methylation as bright white foci. Though IDH1 mutations are thought to drive a CpG methylation-high phenotype in glioma, Moure and colleagues found that many methylated foci throughout the genome were retained even after CRISPR/Cas9-mediated knockout of the IDH1 mutant allele. See the Highlight on page 1959 and the article on page 2042 for more information. Artist credit: Samantha Moure.



Molecular Cancer Research

17 (10)

Mol Cancer Res 2019;17:1959-2141.

Updated version Access the most recent version of this article at:
<http://mcr.aacrjournals.org/content/17/10>

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/17/10>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.