

## MOLECULAR CANCER RESEARCH

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## HIGHLIGHTS

## 1971 Selected Articles from This Issue

*MCR*RapidIMPACT

## 1973 The Spatial Context of Tumor-Infiltrating Immune Cells Associates with Improved Ovarian Cancer Survival

Benjamin Steinhart, Kimberly R. Jordan, Jaidev Bapat, Miriam D. Post, Lindsay W. Brubaker, Benjamin G. Bitler, and Julia Wrobel

## CANCER GENES AND NETWORKS

## 1980 DCLK1-Short Splice Variant Promotes Esophageal Squamous Cell Carcinoma Progression via the MAPK/ERK/MMP2 Pathway

Yang Ge, Xiaona Fan, Xuying Huang, Nathaniel Weygant, Zeru Xiao, Rui Yan, Heshu Liu, Jian Liu, Guangyu An, and Jiannan Yao

## 1992 Heritable Variants in the Chromosome 1q22 Locus Increase Gastric Cancer Risk via Altered Chromatin Looping and Increased UBAP2L Expression

Wei Guan, Nan Yang, Xianglin Zuo, Xuchun Wang, Pingping Cao, Ying Chu, Zhongyong Qin, He Cheng, Xiao Shi, Tingzheng Ma, Zekuan Xu, and Yujie Sun

## 2003 MYC Hyperactivates Wnt Signaling in APC/CTNNB1-Mutated Colorectal Cancer Cells through miR-92a-Dependent Repression of DKK3

Priyanka Sehgal, Claudia Lanauze, Xin Wang, Katharina E. Hayer, Manuel Torres-Diz, N. Adrian Leu, Yogev Sela, Ben Z. Stanger, Christopher J. Lengner, and Andrei Thomas-Tikhonenko

## 2015 Sox2 Is an Oncogenic Driver of Small-Cell Lung Cancer and Promotes the Classic Neuroendocrine Subtype

Ellen Voigt, Madeline Wallenburg, Hannah Wollenzien, Ethan Thompson, Kirtana Kumar, Joshua Feiner, Moira McNally, Hunter Friesen, Malini Mukherjee, Yohannes Afeworki, and Michael S. Karetz

## 2026 Transglutaminase 2 Maintains Hepatocyte Growth Factor Signaling to Enhance the Cancer Cell Phenotype

Xi Chen, Gautam Adhikary, Suruchi Shrestha, Wen Xu, Jeffrey W. Keillor, Warren Naselsky, and Richard L. Eckert

## CANCER “-OMICS”

## 2036 Platelet-Coated Circulating Tumor Cells Are a Predictive Biomarker in Patients with Metastatic Castrate-Resistant Prostate Cancer

Shoujie Chai, Nicholas Matsumoto, Ryan Storgard, Chen-Ching Peng, Ana Aparicio, Benjamin Ormseth, Kate Rappard, Katherine Cunningham, Anand Kolatkar, Rafael Nevarez, Kai-Han Tu, Ching-Ju Hsu, Paymaneh Malihi, Paul Corn, Amado Zurita, James Hicks, Peter Kuhn, and Carmen Ruiz-Velasco

## GENOME MAINTENANCE

## 2046 Epigenetic Regulation of Fanconi Anemia Genes Implicates PRMT5 Blockage as a Strategy for Tumor Chemosensitization

Changzheng Du, Steven W. Li, Simranjit X. Singh, Kristen Roso, Michael A. Sun, Christopher J. Pirozzi, Rui Yang, Jian-Liang Li, and Yiping He

## 2057 Vulnerability of IDH1-Mutant Cancers to Histone Deacetylase Inhibition via Orthogonal Suppression of DNA Repair

Jonathan Dow, Adam Krysztofiak, Yanfeng Liu, Daniel A. Colon-Rios, Faye A. Rogers, and Peter M. Glazer

## RNA BIOLOGY

2068 lncRNA BORG:TRIM28 Complexes Drive Metastatic Progression by Inducing  $\alpha 6$  Integrin/CD49f Expression in Breast Cancer Stem Cells

Kimberly A. Parker, Alex J. Gooding, Saba Valadkhan, and William P. Schiemann

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## SIGNAL TRANSDUCTION AND FUNCTIONAL IMAGING

- 2081**     **Adenosine A2A Receptor Activation Enhances Blood-Tumor Barrier Permeability in a Rodent Glioma Model**  
Amélie Vézina, Monica Manglani, DreeAnna Morris, Brandon Foster, Matthew McCord, Hua Song, Meili Zhang, Dionne Davis, Wei Zhang, Jessica Bills, Kunio Nagashima, Priya Shankarappa, Jessica Kindrick, Stuart Walbridge, Cody J. Peer, William D. Figg, Mark R. Gilbert, Dorian B. McGavern, Leslie L. Muldoon, and Sadhana Jackson

## TUMOR MICROENVIRONMENT AND IMMUNOBIOLOGY

- 2096**     **Inflammation-Induced Metastatic Colonization of the Lung Is Facilitated by Hepatocyte Growth Factor-Secreting Monocyte-Derived Macrophages**  
Arif A. Arif, Yu-Hsuan Huang, Spencer A. Freeman, Jawairia Atif, Pamela Dean, Jacqueline C.Y. Lai, Marie-Renee Blanchet, Kimberly C. Wiegand, Kelly M. McNagny, T. Michael Underhill, Michael R. Gold, Pauline Johnson, and Calvin D. Roskelley
- 2110**     **Opposing Effects of Granulocyte Colony-Stimulating Factor on the Initiation and Progression of Breast Cancer Bone Metastases**  
Toru Hiraga, Susumu Ito, and Toshihide Mizoguchi

## CORRECTION

- 2120**     **Correction: Circular RNA ciRS-7 Maintains Metastatic Phenotypes as a ceRNA of miR-1299 to Target MMPs**

## ABOUT THE COVER

Metastasizing tumor cells face numerous physical and biological barriers as they traverse the circulation to their metastatic niche, which can itself be antagonistic to the establishment of metastatic lesions. The cover depicts a 3D reconstruction of serial lung tissue sections, with vasculature labeled in red and cell nuclei in blue. Melanoma cells labeled with green fluorescent CMFDA dye appear yellow within the circulation, or green if they have successfully extravasated into the lung tissue. In their article on page 2096, Arif, Huang, and colleagues demonstrate that inflammation of the lung tissue mediated by monocyte-derived macrophages conditions the lung metastatic niche and promotes the development of metastatic lesions. This article is also featured in this issue's Highlights on page 1971.

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