# Molecular Cancer Research

## Table of Contents

**November 2016 • Volume 14 • Number 11**

### Highlights of This Issue

1031

### REVIEW

1033  
**Rnd3 in Cancer: A Review of the Evidence for Tumor Promoter or Suppressor**  
Lisa Paysan, Léo Piquet, Frédéric Saltel, and Violaine Moreau

### CELL DEATH AND SURVIVAL

1045  
**Induction of PSMA and Internalization of an Anti-PSMA mAb in the Vascular Compartment**  
Daniel P. Nguyen, Peter L. Xiong, He Liu, Samuel Pan, Wilhem Lecomet, Vincent Navarro, Ming Guo, Jonathan Moy, Sae Kim, Marigdalia K. Ramirez-Fort, Jaspreet S. Batra, and Neil H. Bander

### CHROMATIN, EPIGENETICS, AND RNA REGULATION

1054  
**Cooperative Dynamics of AR and ER Activity in Breast Cancer**  
Nicholas C. D’Amato, Michael A. Gordon, Beatrice Babbs, Nicole S. Spoelstra, Kiel T. Carson Butterfield, Kathleen C. Tookko, Vernon T. Phan, Valerie N. Barton, Thomas J. Rogers, Carol A. Sartorius, Anthony Elias, Jason Gertz, Britta M. Jacobsen, and Jennifer K. Richer

### DNA DAMAGE AND REPAIR

1068  
**Estrogen Drives Cellular Transformation and Mutagenesis in Cells Expressing the Breast Cancer–Associated R438W DNA Polymerase Lambda Protein**  

### GENOMICS

1078  
**Transcription Factor KLF5 Binds a Cyclin E1 Polymorphic Intronic Enhancer to Confer Increased Bladder Cancer Risk**  
Jillian M. Pattison, Valeriya Posternak, and Michael D. Cole

### METABOLISM

1087  
**Extracellular ATP a New Player in Cancer Metabolism: NSCLC Cells Internalize ATP In Vitro and In Vivo Using Multiple Endocytic Mechanisms**  
Yanrong Qian, Xuan Wang, Yunsheng Li, Yanyang Cao, and Xiaozhuo Chen

### ONCOGENES AND TUMOR SUPPRESSORS

1097  
**Ubiquitin Ligase, Fbw7, Targets CDX2 for Degradation via Two Phosphodegron Motifs in a GSK3β-Dependent Manner**  
Yogesh Kumar, Nidhi Shukla, Gatha Thacker, Isha Kapoor, Savita Lochab, Madan Lal Brahma Bhatt, Naibedya Chattopadhyay, Sabyasachi Sanyal, and Arun Kumar Trivedi

1110  
**Ercc1 Deficiency Promotes Tumorigenesis and Increases Cisplatin Sensitivity in a Tp53 Context-Specific Manner**  

1124  
**Inhibition of S-Adenosylmethionine-Dependent Methyltransferase Attenuates TGF-β1-Induced EMT and Metastasis in Pancreatic Cancer: Putative Roles of miR-663a and miR-4787-5p**  
Hardik R. Mody, Sau Wai Hung, Mohammad A.Saggar, Jazmine Griffin, and Rajgopal Govindarajan

### SIGNAL TRANSDUCTION

1136  
**Exosome-mediated Transfer of αvβ3 Integrin from Tumorigenic to Nontumorigenic Cells Promotes a Migratory Phenotype**  
Amrita Singh, Carmine Fedele, Huimin Lu, Marja T. Nevalainen, James H. Keen, and Lucia R. Langüino
1147 Systemic Ablation of MMP-9 Triggers Invasive Growth and Metastasis of Pancreatic Cancer via Deregulation of IL6 Expression in the Bone Marrow

1159 Melatonin Represses Metastasis in Her2-Positive Human Breast Cancer Cells by Suppressing RSK2 Expression
Lulu Mao, Whitney Summers, Shulin Xiang, Lin Yuan, Robert T. Dauchy, Amberly Reynolds, Melissa A. Wren-Dail, David Pointer, Tripp Frasch, David E. Blask, and Steven M. Hill

ABOUT THE COVER
In this issue, D’Amato and colleagues (page 1054) provide a new understanding of the interplay between androgen receptor and estrogen receptor, the two most widely-expressed hormone receptors in breast cancer. The image on the cover is a visualization of estrogen receptor ChIP-seq signal following 1 hour estradiol treatment alone or in the presence of the anti-androgens enzalutamide or MJC13. Columns represent estradiol alone (left), estradiol plus enzalutamide (center), or estradiol plus MJC13 (right). By inhibiting nuclear localization of androgen receptor, both anti-androgens significantly diminish ER chromatin binding, explaining their ability to inhibit estrogen-driven breast cancer in preclinical models.
Molecular Cancer Research

14 (11)


Updated version Access the most recent version of this article at:
http://mcr.aacrjournals.org/content/14/11

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/14/11. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.