

## Highlights of This Issue 809

### PERSPECTIVE

- 811 | **On the Regulation and Activation of JAK2: A Novel Hypothetical Model**  
Tai-Sung Lee


### REVIEW

- 815 | **The Changing Mutational Landscape of Acute Myeloid Leukemia and Myelodysplastic Syndrome**  
Connie A. Larsson, Gilbert Cote, and Alfonso Quintás-Cardama

### *MCR* RapidIMPACT

- 828 | **ARF Regulates the Stability of p16 Protein Via REG $\gamma$ -Dependent Proteasome Degradation**  
Takashi Kobayashi, Jingqiang Wang, Hikmat Al-Ahmadie, and Cory Abate-Shen

### CELL CYCLE AND SENEESCENCE

- 834 | **FoxM1 is Overexpressed in *Helicobacter pylori*-Induced Gastric Carcinogenesis and Is Negatively Regulated by miR-370**  
 Yimin Feng, Lixiang Wang, Jiping Zeng, Li Shen, Xiuming Liang, Han Yu, Shili Liu, Zhifang Liu, Yundong Sun, Wenjuan Li, Chunyan Chen, and Jihui Jia
- 845 | **Suppression of Ser/Thr Phosphatase 4 (PP4C/PPP4C) Mimics a Novel Post-Mitotic Action of Fostriecin, Producing Mitotic Slippage Followed by Tetraploid Cell Death**  
Benjamin Theobald, Kathy Bonness, Alla Musiyenko, Joel F. Andrews, Gudrun Urban, Xizhong Huang, Nicholas M. Dean, and Richard E. Honkanen

### CELL DEATH AND SURVIVAL

- 856 | **Development of a Novel Class of Tubulin Inhibitors with Promising Anticancer Activities**  
Jingle Xi, Xuejun Zhu, Yongmei Feng, Na Huang, Guifen Luo, Yongjun Mao, Xiaofeng Han, Wang Tian, Guirong Wang, Xiaobing Han, Rongcheng Luo, Ziwei Huang, and Jing An
- 865 | **TROY (TNFRSF19) Promotes Glioblastoma Survival Signaling and Therapeutic Resistance**  
Joseph C. Loftus, Harshil Dhruv, Serdar Tuncali, Jean Kloss, Zhongbo Yang, Cassie A. Schumacher, Brian Cao, Bart O. Williams, Jennifer M. Eschbacher, Julianna T.D. Ross, and Nhan L. Tran

### CHROMATIN, GENE, AND RNA REGULATION

- 875 | **Transcription Factor Interactions Mediate EGF-Dependent COX-2 Expression**  
Kaiming Xu and Hui-Kuo G. Shu
- 887 | **Dysregulating IRES-Dependent Translation Contributes to Overexpression of Oncogenic Aurora A Kinase**  
Tara Dobson, Juan Chen, and Les A. Krushel

### DNA DAMAGE AND REPAIR

- 901 | **Mitoxantrone Targets Human Ubiquitin-Specific Peptidase 11 (USP11) and Is a Potent Inhibitor of Pancreatic Cancer Survival**  
Richard A. Burkhart, Yu Peng, Zoë A. Norris, Renée M. Tholey, Vanessa A. Talbott, Qin Liang, Yongxing Ai, Kathy Miller, Shruti Lal, Joseph A. Cozzitorto, Agnieszka K. Witkiewicz, Charles J. Yeo, Matthew Gehrmann, Andrew Napper, Jordan M. Winter, Janet A. Sawicki, Zhihao Zhuang, and Jonathan R. Brody

---

## GENOMICS

- 912 | **miR-150 Blocks MLL-AF9–Associated Leukemia through Oncogene Repression**  
Marina Bousquet, Guoqing Zhuang, Cong Meng, Wei Ying, Patali S. Cheruku, Andrew T. Shie, Stephanie Wang, Guangtao Ge, Piu Wong, Gang Wang, Stephen Safe, and Beiyan Zhou

## SIGNAL TRANSDUCTION

- 952 | **Fer Protein-Tyrosine Kinase Promotes Lung Adenocarcinoma Cell Invasion and Tumor Metastasis**  
Joseph Ahn, Peter Truesdell, Jalna Meens, Carli Kadish, Xiaolong Yang, Alexander H. Boag, and Andrew W.B. Craig

## ONCOGENES AND TUMOR SUPPRESSORS

- 923 | **miR-155–Deficient Bone Marrow Promotes Tumor Metastasis**  
Fang Yu, Xuemei Jia, Fen Du, Junfeng Wang, Yuzhen Wang, Walden Ai, and Daping Fan
- 937 | **RASEF is a Novel Diagnostic Biomarker and a Therapeutic Target for Lung Cancer**  
Hideto Oshita, Ryohei Nishino, Atsushi Takano, Takashi Fujitomo, Masato Aragaki, Tatsuya Kato, Hirohiko Akiyama, Eiju Tsuchiya, Nobuoki Kohno, Yusuke Nakamura, and Yataro Daigo

## CORRECTION

- 964 | **Correction: Targeting Tumor Cell Invasion and Dissemination *In Vivo* by an Aptamer that Inhibits Urokinase-Type Plasminogen Activator through a Novel Multifunctional Mechanism**

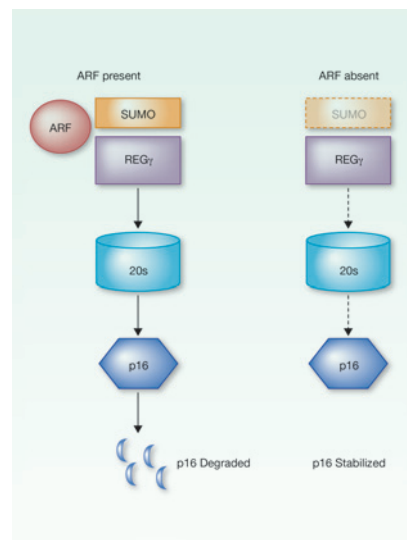
AC icon indicates Author Choice

For more information please visit [www.aacrjournals.org](http://www.aacrjournals.org)

---

## ABOUT THE COVER

The inaugural Rapid Impact article, by Kobayashi and colleagues (beginning on page 828), reveals a crosstalk between two dominant cell cycle tumor suppressor proteins such that p14<sup>ARF</sup> regulates the stability of p16<sup>INK4A</sup> through a degradation mechanism involving the REG $\gamma$  subunit of the 20S proteasome. Accompanying the article online, and presented on the cover, the AACR and *Molecular Cancer Research* are proud to introduce a new article feature called Visual Overview in which the novel findings of the article are graphically depicted.



# Molecular Cancer Research

11 (8)

*Mol Cancer Res* 2013;11:809-964.

**Updated version** Access the most recent version of this article at:  
<http://mcr.aacrjournals.org/content/11/8>

**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](mailto:pubs@aacr.org).

**Permissions** To request permission to re-use all or part of this article, use this link <http://mcr.aacrjournals.org/content/11/8>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.