

Contents

Molecular Cancer Research

Defining the Molecular Basis of Malignancy and Progression

December 2013 • Volume 11 • Number 12

Highlights of This Issue 1479

REVIEWS

- 1481 | **Collagen XV: Exploring Its Structure and Role within the Tumor Microenvironment**
Anthony George Clementz and Ann Harris
- 1487 | **Advances in Understanding the Expression and Function of Dipeptidyl Peptidase 8 and 9**
Hui Zhang, Yiqian Chen, Fiona M. Keane, and Mark D. Gorrell

CELL CYCLE AND SENESCENCE

- 1497 | **SIRT1 Is Downregulated in Gastric Cancer and Leads to G₁-phase Arrest via NF- κ B/Cyclin D1 Signaling**
Qing Yang, Bo Wang, Wei Gao, Shanying Huang, Zhifang Liu, Wenjuan Li, and Jihui Jia
- 1508 | **A Novel Regulatory Mechanism of Pim-3 Kinase Stability and Its Involvement in Pancreatic Cancer Progression**
Fei Zhang, Bin Liu, Zhen Wang, Xian-Jun Yu, Quan-Xing Ni, Wen-Tao Yang, Naofumi Mukaida, and Ying-Yi Li

CELL DEATH AND SURVIVAL

- 1521 | **Resveratrol and P-glycoprotein Inhibitors Enhance the Anti-Skin Cancer Effects of Ursolic Acid**
Jacob J. Junco, Anna Mancha, Gunjan Malik, Sung-Jen Wei, Dae Joon Kim, Huiyun Liang, and Thomas J. Slaga
- 1530 | **Hematopoietic Expression of Oncogenic BRAF Promotes Aberrant Growth of Monocyte-Lineage Cells Resistant to PLX4720**
Tamihiro Kamata, David Dankort, Jing Kang, Susan Giblett, Catrin A. Pritchard, Martin McMahon, and Andrew D. Leavitt

CHROMATIN, GENE, AND RNA REGULATION

- 1542 | **S100A14: Novel Modulator of Terminal Differentiation in Esophageal Cancer**
Hongyan Chen, Jianlin Ma, Benjamin Sunkel, Aiping Luo, Fang Ding, Yi Li, Huan He, Shuguang Zhang, Chengshan Xu, Qinge Jin, Qianben Wang, and Zhihua Liu

- 1554 | **AKR1B10, a Transcriptional Target of p53, Is Downregulated in Colorectal Cancers Associated with Poor Prognosis**
Tomoko Ohashi, Masashi Idogawa, Yasushi Sasaki, Hiromu Suzuki, and Takashi Tokino

DNA DAMAGE AND REPAIR

- 1564 | **Systematic Screen Identifies miRNAs That Target RAD51 and RAD51D to Enhance Chemosensitivity**
Jen-Wei Huang, Yemin Wang, Kiranjit K. Dhillon, Philamer Calses, Emily Villegas, Patrick S. Mitchell, Muneesh Tewari, Christopher J. Kemp, and Toshiyasu Taniguchi

GENOMICS

- 1574 | **EGFR Inhibition Induces Proinflammatory Cytokines via NOX4 in HNSCC**
Elise V.M. Fletcher, Laurie Love-Homan, Arya Sobhakumari, Charlotte R. Feddersen, Adam T. Koch, Apollina Goel, and Andrian L. Simons
- 1585 | **A Proangiogenic Signature Is Revealed in FGF-Mediated Bevacizumab-Resistant Head and Neck Squamous Cell Carcinoma**
Rekha Gyanchandani, Marcus V. Ortega Alves, Jeffrey N. Myers, and Seungwon Kim

ONCOGENES AND TUMOR SUPPRESSORS

- 1597 | **Activation of the Wnt Pathway through AR79, a GSK3 β Inhibitor, Promotes Prostate Cancer Growth in Soft Tissue and Bone**
Yuan Jiang, Jinlu Dai, Honglai Zhang, Joe L. Sottnik, Jill M. Keller, Katherine J. Escott, Hitesh J. Sanganeer, Zhi Yao, Laurie K. McCauley, and Evan T. Keller

SIGNAL TRANSDUCTION

1611 | **Inhibition of NF- κ B Signaling Ablates the Invasive Phenotype of Glioblastoma**

Mike-Andrew Westhoff, Shaoxia Zhou,
Lisa Nonnenmacher, Georg Karpel-Massler,
Claudia Jennewein, Matthias Schneider,
Marc-Eric Halatsch, Neil O. Carragher,
Bernd Baumann, Alexander Krause,
Thomas Simmet, Max G. Bachem,
Christian R. Wirtz, and Klaus-Michael Debatin

1624

PKC α Maintains a Tumor-initiating Cell Phenotype That Is Required for Ovarian Tumorigenesis

Yin Wang, Kristen S. Hill, and Alan P. Fields

1636

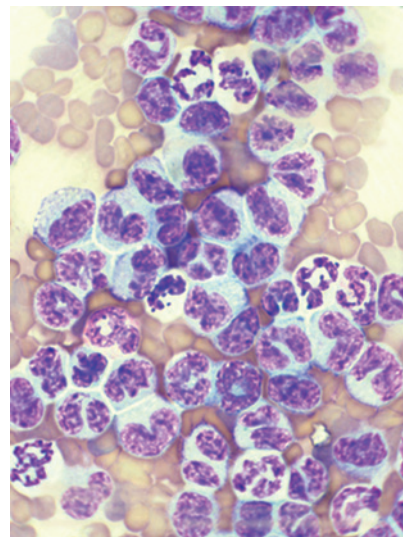
Acknowledgment to Reviewers

AC icon indicates Author Choice

For more information please visit www.aacrjournals.org

ABOUT THE COVER

An activating BRAF mutation has been detected in a number of human monocyte/macrophage (histiocyte)-lineage hematopoietic neoplasms. Conditional expression of the activating BRAFV600E mutation in the mouse hematopoietic system induces aberrant growth of monocyte-lineage cells, including solid organ infiltration and a monocytosis in the circulating blood (cover image) reminiscent of human hematopoietic disorders. The mouse model affords a useful preclinical platform for understanding the biology of and developing pathway-targeted therapeutics against human monocyte-lineage hematopoietic neoplasms driven by BRAFV600E expression. For more information see the article by Kamata and colleagues on page 1530.



Molecular Cancer Research

11 (12)

Mol Cancer Res 2013;11:1479-1638.

Updated version Access the most recent version of this article at:
<http://mcr.aacrjournals.org/content/11/12>

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/11/12>. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.