**Highlights of This Issue**

**REVIEW**

393 Clinically Relevant microRNAs in Ovarian Cancer
Shu Zhang, Zhen Lu, Anna K. Unruh, Cristina Ivan, Keith A. Baggerly, George A. Calin, Zongfang Li, Robert C. Bast Jr, and Xiao-Feng Le

**CELL CYCLE AND SENESCENCE**

402 DNA-Directed Polymerase Subunits Play a Vital Role in Human Telomeric Overhang Processing
Raffaella Diotti, Sampada Kalan, Anastasiya Matveyenko, and Diego Loayza

**CELL DEATH AND SURVIVAL**

411 Sensitizing B- and T-cell Lymphoma Cells to Paclitaxel/Abraxane–Induced Death by AS101 via Inhibition of the VLA-4–IL10–Survivin Axis
Hila Danoch, Yona Kalechman, Michael Albeck, Dan L. Longo, and Benjamin Sredni

423 Prometastatic NEDD9 Regulates Individual Cell Migration via Caveolin-1–Dependent Trafficking of Integrins
Polina Y. Kozyulina, Yuriy V. Loskutov, Varvara K. Kozyreva, Anuradha Rajulapati, Ryan J. Ice, Brandon C. Jones, and Elena N. Pugacheva

439 MUC1 Promoter–Driven DTA as a Targeted Therapeutic Strategy against Pancreatic Cancer

**CHROMATIN, GENE, AND RNA REGULATION**

449 MUC1-C Induces the LIN28B—LET-7—HMGA2 Axis to Regulate Self-Renewal in NSCLC
Maroof Alam, Rehan Ahmad, Hasan Rajabi, and Donald Kufe

461 Histone Methyltransferase hSETD1A is a Novel Regulator of Metastasis in Breast Cancer
Tal Salz, Changwang Deng, Christine Pamm, Dietmar Siemann, Yi Qiu, Kevin Brown, and Suning Huang

**DNA DAMAGE AND REPAIR**

470 Alternative NHEJ Pathway Components Are Therapeutic Targets in High-Risk Neuroblastoma
Erika A. Newman, Fujiu Lu, Daniela Bashillari, Li Wang, Anthony W. Oppirari, and Valerie P. Castle

**GENOMICS**

483 RhoC Is an Unexpected Target of RhoGDI2 in Prevention of Lung Colonization of Bladder Cancer

502 The Tyrosine Kinase Adaptor Protein FRS2 Is Oncogenic and Amplified in High-Grade Serous Ovarian Cancer
Lei Y. Luo, Jeung Kim, Hui Wing Cheung, Barbara A. Weir, Gavin P. Dunn, Rhine R. Shen, and William C. Hahn

**ONCOGENES AND TUMOR SUPPRESSORS**

510 Enhanced Tumorigenic Potential of Colorectal Cancer Cells by Extracellular Sulfatases
Carolina M. Vicente, Marcelo A. Lima, Edwin A. Yates, Helena B. Nader, and Leny Toma

524 Elevated Slt2 Activity Impairs VEGF-Induced Angiogenesis and Tumor Neovascularization in EphA2-Deficient Endothelium
Victoria Youngblood, Shani Wang, Wenqiang Song, Debra Walter, Yoonha Hwang, Jin Chen, and Dana M. Bramley-Sieders

March 2015 • Volume 13 • Number 3
Table of Contents

538 Survival Outcome and EMT Suppression Mediated by a Lectin Domain Interaction of Endo180 and CD147

548 A Vascular Model of Tsc1 Deficiency Accelerates Renal Tumor Formation with Accompanying Hemangiosarcomas
Jarrett D. Leech, Stephen H.T. Lammers, Sam Goldman, Neil Auricchio, Roderick T. Bronson, David J. Kwiatkowski, and Mustafa Sahin

SIGNAL TRANSDUCTION

556 HIF1α Regulates mTOR Signaling and Viability of Prostate Cancer Stem Cells
Maximilian Marhold, Erwin Tomasich, Ahmed El-Gazzar, Gerwin Heller, Andreas Spittler, Reinhard Horvat, Michael Krainer, and Peter Horak

565 miR-629 Targets TRIM33 to Promote TGFβ/Smad Signaling and Metastatic Phenotypes in ccRCC
Kentaro Jingushi, Yuko Ueda, Kaori Kita, Hiroaki Hase, Hiroshi Egawa, Ikumi Ohshio, Ryoji Kawakami, Yuri Kashiwagi, Yohei Tsukada, Takumi Kobayashi, Wataru Nakata, Kazutoshi Fujita, Motohide Uemura, Norio Nomomura, and Kazutake Tsujikawa

575 The TWEAK Receptor Fn14 Is an Src-Inducible Protein and a Positive Regulator of Src-Driven Cell Invasion
Emily Cheng, Timothy G. Whitsett, Nhan L. Tran, and Jeffrey A. Winkles

584 p53 Mutation Directs AURKA Overexpression via miR-25 and FBXW7 in Prostatic Small Cell Neuroendocrine Carcinoma
Zhen Li, Yin Sun, Xufeng Chen, Jill Squires, Behdokht Nowroozizadeh, Chaozhao Liang, and Jiaoti Huang

ABOUT THE COVER

Tuberous sclerosis complex (TSC) is associated with hamartomas in several organs in patients, including the brain, kidneys, heart, and skin. The cover shows hematoxylin and eosin staining of a paw section from an 8-week-old wild-type mouse. At the same age, Tsc1cc DARPP Cre mouse displays paw lesions with multiple hemangiosarcomas. Please see the article by Leech and colleagues (beginning on page 548) for more information.