**Highlights of This Issue**

**CELL CYCLE AND SENESCENCE**

207 | Nuclear Expression of β-Catenin Promotes RB Stability and Resistance to TNF-Induced Apoptosis in Colon Cancer Cells  
Jinbo Han, Rossana C. Soletti, Anil Sadarangani, Priya Sridevi, Michael E. Ramírez, Lars Eckmann, Helena L. Borges, and Jean Y.J. Wang

**CELL DEATH AND SURVIVAL**

219 | A Modified HSP70 Inhibitor Shows Broad Activity as an Anticancer Agent  
Gregor M. Balaburski, Julia I.-Ju Leu, Neil Beeharry, Seth Hayik, Mark D. Andrade, Gao Zhang, Meinhard Herlyn, Jessie Villamuela, Roland L. Dunbrack Jr., Tim Yen, Donna L. George, and Maureen E. Murphy

230 | Balanced Tiam1-Rac1 and RhoA Drives Proliferation and Invasion of Pancreatic Cancer Cells  
Xingjun Guo, Min Wang, Jianxin Jiang, Chengchen Xie, Feng Peng, Xu Li, Rui Tian, and Renyi Qin

**CHROMATIN, GENE, AND RNA REGULATION**

240 | The Heterochronic microRNA let-7 Inhibits Cell Motility by Regulating the Genes in the Actin Cytoskeleton Pathway in Breast Cancer  
Xiaowen Hu, Jinyi Guo, Lan Zheng, Chunsheng Li, Tim M. Zheng, Janos L. Tanyi, Shun Liang, Chiara Benedetto, Marco Mitidieri, Dionyssios Katsaros, Xia Zhao, Youcheng Zhang, Qihong Huang, and Lin Zhang

251 | SNF5 Reexpression in Malignant Rhabdoid Tumors Regulates Transcription of Target Genes by Recruitment of SWI/SNF Complexes and RNAPII to the Transcription Start Site of Their Promoters  
Yasumichi Kuwahara, Darmood Wei, Joel Durand, and Bernard E. Weissman

**DNA DAMAGE AND REPAIR**

261 | MnSOD Promotes Tumor Invasion via Upregulation of FoxM1–MMP2 Axis and Related with Poor Survival and Relapse in Lung Adenocarcinomas  
Po-Ming Chen, Tzu-Chin Wu, Shwn-Huey Shieh, Yi-Hui Wu, Min-Chin Li, Gwo-Tang Shue, Ya-Wen Cheng, Chih-Yi Chen, and Huei Lee

**ONCOGENES AND TUMOR SUPPRESSORS**

272 | Microenvironmental Regulation of BRCA1 Gene Expression by c-Jun and Fra2 in Premalignant Human Ovarian Surface Epithelial Cells  
Lixin Zhou, Marcia Graves, Gwen MacDonald, Jane Cipollone, Christopher R. Mueller, and Calvin D. Roskelley

282 | Molecular Dissection of AKT Activation in Lung Cancer Cell Lines  
Yanan Guo, Jinyan Du, and David J. Kwiatkowski

**SIGNAL TRANSDUCTION**

294 | Neurotransmitter Substance P Mediates Pancreatic Cancer Perineural Invasion via NK-1R in Cancer Cells  
Xuqi Li, Guodong Ma, Qingyong Ma, Wei Li, Jiangbo Liu, Liang Han, Waxing Duan, Qin Hong Xu, Han Liu, Zheng Wang, Qing Sun, Fenglei Wang, and Erxi Wu

303 | Acquisition of the Metastatic Phenotype Is Accompanied by H2O2-Dependent Activation of the p130Cas Signaling Complex  
Nadine Hempel, Toni R. Bartling, Badar Mian, and J. Andres Melendez
ABOUT THE COVER

A hallmark of colon cancer is the activation of the Wnt-pathway; however, the HCT116 colon cancer cells do not express nuclear β-catenin despite a gain-of-function mutation in the CTNNB1 gene. As a result, HCT116 cells are sensitive to tumor necrosis factor-α-induced apoptosis. The nuclear (blue) expression of β-catenin (green) could be induced with a GSK3β inhibitor, although a fraction of β-catenin remained at the cell periphery and colocalized with F-actin (red). This induced nuclear expression of β-catenin suppressed the apoptotic response to tumor necrosis factor-α in HCT116 cells. For details, see the article by Han and colleagues on page 207 in this issue.