Highlights of This Issue 633

**REVIEW**

635 Cancer Immunotherapy: Whence and Whither
Peter J. Stambrook, John Maher, and Fazinn Fazanleh

**CELL CYCLE AND SENESCENCE**

651 The E3 Ligase CHIP Mediates p21 Degradation to Maintain Radioresistance
Kuntal Biswas, Sukumar Sarkar, Kangping Du, David L. Brautigan, Tarek Abbas, and James M. Larner

**CELL DEATH AND SURVIVAL**

660 CDK4/6 Therapeutic Intervention and Viable Alternative to Taxanes in CRPC

670 Dual Targeting of Mesenchymal and Amoeboid Motility Hinders Metastatic Behavior
Brandon C. Jones, Laura C. Kelley, Yuriy V. Loskutov, Kristina M. Marinak, Varvara K. Kozyreva, Matthew B. Smollkin, and Elena N. Pugacheva

**GENOMICS**

683 Expression Profiling of Circulating Microvesicles Reveals Intercellular Transmission of Oncogenic Pathways
Gloria Milani, Tobia Lana, Silvia Bresolin, Sanja Aveic, Anna Pasto, Chiara Frasson, and Geertuy te Kronnie

696 CRISPR Knockout of the HuR Gene Causes a Xenograft Lethal Phenotype

**ONCOGENES AND TUMOR SUPPRESSORS**

708 Chromosome 20q Amplification Defines a Subtype of Microsatellite Stable, Left-Sided Colon Cancers with Wild-type RAS/RAF and Better Overall Survival
Ryan N. Ptashkin, Carlos Pagan, Rona Yaeger, Sumit Middha, Jinru Shia, Kevin P. O’Rourke, Michael F. Berger, Xu Wang, Robert Camaera, Jiajia Wang, David S. Klimstra, Leonard Salz, Marc Ladanyi, Ahnnet Zehir, and Jaclyn F. Hechtman

714 Atorvastatin Decreases HBx-Induced Phospho-Akt in Hepatocytes via P2X Receptors
Aram Ghalali, Javier Martin-Renedo, Johan Hogberg, and Ulla Stenius

723 Hypoxia Selectively Enhances Integrin α5β1 Receptor Expression in Breast Cancer to Promote Metastasis
Julia A. Ju, Ines Godei, I Chae Ye, Jungmin Byun, Hasini Jayatilaka, Sun Joo Lee, Lisha Xiang, Debangshu Samanta, Meng Horng Lee, Pei-Hsun Wu, Denis Wirtz, Gregg I. Semenza, and Daniele M. Gilkes

735 The Cytidine Deaminase APOBEC3 Family Is Subject to Transcriptional Regulation by p53
Daniel Menendez, Thuy-Ai Nguyen, Joyce Snipe, and Michael A. Resnick

**SIGNAL TRANSDUCTION**

744 Pancreatic Neuroendocrine Tumors and EMT Behavior Are Driven by the CSC Marker DCLK1
Yu Ikezono, Hironori Koga, Jun Akiba, Mitsuhiko Abe, Takafuli Yoshida, Fumitaka Wada, Toru Nakamura, Hideki Iwamoto, Atsutaka Masuda, Takahiko Sakai, Hirohisa Yano, Osamu Tsuruta, and Takuji Torimura

753 Phosphatidylserine Sensing by TAM Receptors Regulates AKT-Dependent Chemoresistance and PD-L1 Expression
Canan Kasikara, Sushil Kumar, Stanley Kimani, Wen-I Tsou, Ke Geng, Viralkumar Davra, Canapathe Sirim, Connor Devoe, Khanh-Quynh N. Nguyen, Anita Antes, Allen Krantz, Grzegorz Rymarzczek, Andzej Wilczyński, Cyril Empig, Bruce Freimark, Michael Gray, Kyle Schluenger, Jeff Hutchins, Serpe V. Kottenko, and Raymond B. Birge
ABOUT THE COVER

Circulating microvesicles (MVs) have emerged as having important (patho)physiological roles in cell-to-cell communication. In cancers, tumor-derived MVs can include information that is potentially oncogenic. In plasma of leukemia patients, circulating MVs were shown to carry leukemia specific fusion transcripts and gene expression analysis revealed that cargo of MVs derived from leukemia cells encloses oncogenic fusion transcripts and mRNA related to basic functions of leukemic cells. The cover image shows MVs isolated from K562 leukemia cell culture internalized in the cytoplasm of mesenchymal stem cells (MSCs) 1 hour after co-culture with MVs. K562 derived MVs were stained with red dye PHK26+, ßtubulin is depicted in green and nuclei are stained in blue. Co-culture experiments further showed that MVs released from leukemia cells enhance proliferation of MSCs. Please see the article by Milani et al. (beginning on page 683) for more information.