

Highlights of This Issue 1133

ANGIOGENESIS, METASTASIS, AND THE CELLULAR MICROENVIRONMENT

- 1135 | **Vasohibin-2 Expressed in Human Serous Ovarian Adenocarcinoma Accelerates Tumor Growth by Promoting Angiogenesis**
Yoshifumi Takahashi, Takahiro Koyanagi, Yasuhiro Suzuki, Yasushi Saga, Naoki Kanomata, Takuya Moriya, Mitsuki Suzuki, and Yasufumi Sato
- 1147 | **Inhibition of the Hedgehog Pathway Targets the Tumor-Associated Stroma in Pancreatic Cancer**
Rosa F. Hwang, Todd T. Moore, Maureen Mertens Hattersley, Meghan Scarpitti, Bin Yang, Erik Devereaux, Vijaya Ramachandran, Thiruvengadam Arumugam, Baoan Ji, Craig D. Logsdon, Jeffrey L. Brown, and Robert Godin
- 1158 | **Cancer-Associated Fibroblasts Induce Matrix Metalloproteinase-Mediated Cetuximab Resistance in Head and Neck Squamous Cell Carcinoma Cells**
Ann-Charlotte Johansson, Anna Ansell, Fredrik Jerhammar, Maja Bradic Lindh, Reidar Grénman, Eva Munck-Wikland, Arne Östman, and Karin Roberg

CELL CYCLE, CELL DEATH, AND SENESENCE

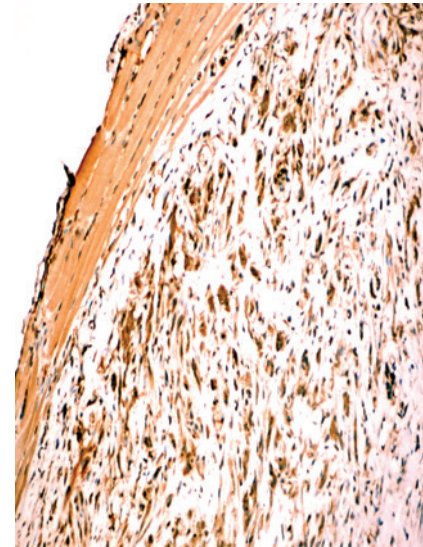
- 1169 | **RBM38 Is a Direct Transcriptional Target of E2F1 that Limits E2F1-Induced Proliferation**
Orit Feldstein, Rotem Ben-Hamo, Dana Bashari, Sol Efroni, and Doron Ginsberg

SIGNALING AND REGULATION

- 1178 | **Group I p21-Activated Kinases (PAKs) Promote Tumor Cell Proliferation and Survival through the AKT1 and Raf-MAPK Pathways**
Craig W. Menges, Eleonora Sementino, Jacqueline Talarchek, Jinfei Xu, Jonathan Chernoff, Jeffrey R. Peterson, and Joseph R. Testa
- 1189 | **The p38 MAPK-MK2 Axis Regulates E2F1 and FOXM1 Expression after Epirubicin Treatment**
Natalia de Olano, Chuay-Yeng Koo, Lara J. Monteiro, Paola H. Pinto, Ana R. Gomes, Rosa Aligue, and Eric W.-F. Lam
- 1203 | **S-Nitrosylation of EGFR and Src Activates an Oncogenic Signaling Network in Human Basal-Like Breast Cancer**
Christopher H. Switzer, Sharon A. Glynn, Robert Y.-S. Cheng, Lisa A. Ridnour, Jeffrey E. Green, Stefan Ambs, and David A. Wink
- 1216 | **Hepatocyte Growth Factor Enhances Alternative Splicing of the Krüppel-like Factor 6 (KLF6) Tumor Suppressor to Promote Growth through SRSF1**
Úrsula Muñoz, Juan E. Puche, Rebekka Hannivoort, Ursula E. Lang, Michal Cohen-Naftaly, and Scott L. Friedman
- 1228 | **KRAS^{G12D}- and BRAF^{V600E}-Induced Transformation of Murine Pancreatic Epithelial Cells Requires MEK/ERK-Stimulated IGF1R Signaling**
Victoria A. Appleman, Leanne G. Ahronian, JiuFeng Cai, David S. Klimstra, and Brian C. Lewis

ABOUT THE COVER

Group I p21-activated kinases (PAKs) regulate cell survival, proliferation and motility, all factors that contribute to tumorigenesis. The tumor suppressor NF2 negatively regulates group I PAKs, and mutation or loss of NF2 leads to subsequent PAK activation. Using immunohistochemistry, PAK was found to be phosphorylated/activated in asbestos-induced malignant mesotheliomas from *Nf2*-deficient mice. Inhibition of group I PAKs in patient-derived mesothelioma cell lines was sufficient to inhibit tumor cell proliferation and viability via inactivation of the AKT and Raf-MAPK pathways, suggesting that PAKs represent novel targets for therapeutic intervention in NF2-deficient malignancies. For details, see article by Menges and colleagues on page 1178.



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