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, Vijiya 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 Jerhammer, Maja Bradic Lindh, Reidar Grénman, Eva Munck-Wikland, Arne Ostman, and Karin Roberg

CELL CYCLE, CELL DEATH, AND SENESCENCE

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 1 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 Kruppel-like Factor 6 (KLF6) Tumor Suppressor to Promote Growth through SRSF1
Ursula Muñoz, Juan E. Puche, Rebekka Hannivoort, Ursula E. Lang, Michal Cohen-Naftaly, and Scott L. Friedman

1228 KRASG12D- and BRAFV600E-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 N2-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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10 (9)


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