### Highlights of This Issue 1241

#### REVIEWS

**1243**
**N-myc and Noncoding RNAs in Neuroblastoma**  
Jochen Buechner and Christer Einvik

**1254**
**Revisiting the Complexity of the Ovarian Cancer Microenvironment—Clinical Implications for Treatment Strategies**  
Natasha Musrap and Eleftherios P. Diamandis

**1265**
**GAB2—a Scaffolding Protein in Cancer**  
Sarah J. Adams, Iraz T. Aydin, and Julide T. Celebi

### ANGIogenesis, METASTASIS, AND THE CELLULAR MICROENVIRONMENT

**1271**
**Role of Plasminogen Activator Inhibitor-1 in Urokinase’s Paradoxical In Vivo Tumor Suppressing or Promoting Effects**  
Yuqi Jing, Krisztina Kovacs, Vittal Kurisetty, Zhijie Jiang, Nick Tsinoberas, and Jaime R. Merchant

**1282**
**Copper Modulates Zinc Metalloproteinase-Dependent Ectodomain Shedding of Key Signaling and Adhesion Proteins and Promotes the Invasion of Prostate Cancer Epithelial Cells**  
Catherine A. Parr-Sturgess, Claire L. Tinker, Claire A. Hart, Michael D. Brown, Noel W. Clarke, and Edward T. Parkin

**1294**
**Macrophages Promote Fibroblast Growth Factor Receptor-Driven Tumor Cell Migration and Invasion in a Cxcr2-Dependent Manner**  
Laura R. Bohrer and Kathryn L. Schwertfeger

**1306**
**Regulation of Inflammatory Breast Cancer Cell Invasion through Akt1/PKBα Phosphorylation of RhoC GTPase**  
Heather L. Lehman, Steven J. Van Laere, Cynthia M. van Golen, Peter B. Vermeulen, Luc Y. Dirix, and Kenneth L. van Golen

### CELL CYCLE, CELL DEATH, AND SENEscENCE

**1343**
**Expression of G Protein-Coupled Receptor 19 in Human Lung Cancer Cells Is Triggered by Entry into S-Phase and Supports G2–M Cell-Cycle Progression**  
Stefan Kastner, Tilman Voss, Simon Keuerleber, Christina Glick, Michael Freimuth, and Wolfgang Sommergruber

### DNA DAMAGE AND CELLULAR STRESS RESPONSES

**1359**
**Threonine 2609 Phosphorylation of the DNA-Dependent Protein Kinase Is a Critical Prerequisite for Epidermal Growth Factor Receptor–Mediated Radiation Resistance**  
### SIGNALING AND REGULATION

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1369</td>
<td>Ah Receptor Antagonism Represses Head and Neck Tumor Cell Aggressive Phenotype</td>
<td>Brett C. DiNatale, Kayla Smith, Kaarthik John, Gowdahalli Krishnegowda, Shantu G. Amin, and Gary H. Perdew</td>
</tr>
<tr>
<td>1380</td>
<td>The Essential Role of Giα2 in Prostate Cancer Cell Migration</td>
<td>Miao Zhong, Shineka Clarke, BaoHan T. Vo, and Shafiq A. Khan</td>
</tr>
<tr>
<td></td>
<td>Biological Responses to TGF-β in the Mammary Epithelium Show a Complex Dependency on Smad3 Gene Dosage with Important Implications for Tumor Progression</td>
<td>Ethan A. Kohn, Yu-an Yang, Zhijun Du, Yoshiko Nagano, Catherine M.H. Van Schyndle, Michelle A. Herrmann, Madeleine Heldman, Jin-Qu Chen, Christina H. Stuelten, Kathleen C. Flanders, and Lalage M. Wakefield</td>
</tr>
</tbody>
</table>

### ABOUT THE COVER

Activation of fibroblast growth factor receptor 1 (FGFR1) in mammary epithelial cells induces recruitment of macrophages to the mammary epithelium, which contributes to FGFR1-induced tumor formation. Using 3D co-culture assays in which FGFR1 was activated specifically in mammary epithelial cells, macrophages were found to associate with the epithelial structures and induce invasion of the cells into the surrounding basement membrane matrix. Further studies demonstrated that this interaction was dependent upon increased secretion of Cxcr2-binding chemokines by macrophages following exposure to FGFR1-induced soluble factors produced by the epithelium. For details see Bohrer and Schwertfeger on page 1294.