**Contents**

### Highlights of This Issue

#### 4303

#### SPECIAL FEATURES

---

**Editorial**

**4305**  
**Food and Oral Antineoplastics: More Than Meets the Eye**  
Rajul K. Jain, Satjit S. Brar, and Lawrence J. Lesko  
*See article p. 4446*

---

**CCR Translations**

**4308**  
**Personalized Tamoxifen: A Step Closer but Miles To Go**  
Aditya Bardia and Vered Stearns  
*See article p. 4468*

**4311**  
**Arsenic Trioxide and the Phosphoinositide 3-Kinase/Akt Pathway in Chronic Lymphocytic Leukemia**  
Dennis J. Gousetis and Leonidas C. Platanias  
*See article p. 4382*

---

**CCR New Strategies**

**4313**  
**New Strategies in Pancreatic Cancer: Emerging Epidemiologic and Therapeutic Concepts**  
Donghui Li and James L. Abbruzzese

---

**Molecular Pathways**

**4319**  
**Overcoming Persistent Dependency on Androgen Signaling after Progression to Castration-Resistant Prostate Cancer**  
Masuo Yamaoka, Takahito Hara, and Masami Kusaka

**4325**  
**PI(3)King Apart PTEN's Role in Cancer**  
Siyuan Zhang and Dihua Yu

---

**Report from the FDA**

**4331**  
**U.S. Food and Drug Administration Approval: Ofatumumab for the Treatment of Patients with Chronic Lymphocytic Leukemia Refractory to Fludarabine and Alemtuzumab**  
Steven J. Lemery, Jenny Zhang, Mark D. Rothmann, Jun Yang, Justin Earp, Hong Zhao, Andrew McDougal, Anne Pilaro, Raymond Chiang, Joseph E. Gootenberg, Patricia Keegan, and Richard Pazdur

---

**HUMAN CANCER BIOLOGY**

---

**Transcriptional Profiling of Polycythemia Vera Identifies Gene Expression Patterns Both Dependent and Independent from the Action of JAK2V617F**  
Windy Berkoefsky-Fessler, Monica Buzza, Marianne K-H. Kim, Steven Fruchman, Vesna Najfeld, Dong-Joon Min, Fabricio F. Costa, Jared M. Bischof, Marcelo B. Soares, Melanie Jane McConnell, Weiija Zhang, Ross Levine, D. Gary Gilliland, Raffaele Calogero, and Jonathan D. Licht

---

**Meta-analysis of Neuroblastomas Reveals a Skewed ALK Mutation Spectrum in Tumors with MYCN Amplification**  
Sara De Brouwer, Katleen De Preter, Candy Kumps, Piotr Zabrocki, Michael Porcu, Ellen M. Westerhout, Arjan Lakeman, Jo Vandesompele, Jasmien Hoebeek, Tom Van Maeiken, Anne De Paepe, Genevieve Laureys, Johannes H. Schulte, Alexander Schramm, Caroline Van Den Broecke, Joëlle Vermeulen, Nadine Van Roy, Klaus Beiske, Marleen Renard, Rosa Noguer, Olivier Delattre, Isabelle Janoueix-Lerosey, Per Kogner, Tommy Martinsson, Akira Nakagawa, Miki Ohira, Huib Caron, Angelika Eggert, Jan Cools, Rogier Versteeg, and Frank Speleman

---

**Upregulation of SOX9 in Lung Adenocarcinoma and Its Involvement in the Regulation of Cell Growth and Tumorigenicity**  
Shih Sheng Jiang, Wen-Tsien Fang, Ya-Hsiue Hou, Shiu-Feng Huang, B. Linju Yen, Junn-Liang Chang, Shih-Miao Li, Hui-Ping Liu, Ying-Lan Liu, Chih-Ting Huang, Yu-Wei Li, Te-Hsuan Iang, Shih-Hsuan Chan, Su Jing Yang, Chao A. Hsiung, Cheng-Wen Wu, Lu-Hai Wang, and I-Shou Chang
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>4411</td>
<td>Notch1 Expression Predicts an Unfavorable Prognosis and Serves as a Therapeutic Target of Patients with Neuroblastoma</td>
<td>Hsiu-Hao Chang, Hsinyu Lee, Ming-Kuan Hu, Po-Nien Tsao, Hsu-Hew-Fen Juan, Min-Chuan Huang, Yu-Yin Shih, Bo-Jeng Wang, Yung-Ming Jeng, Christina Ling Chang, Shiu-Feng Huang, Yeu-Quang Tsay, Fon-Jou Hsieh, Kai-Hsin Lin, Wen-Ming Hsu, and Yung-Feng Liao</td>
</tr>
<tr>
<td>4421</td>
<td>Prediction of Stage, Grade, and Survival in Bladder Cancer Using Genome-wide Expression Data: A Validation Study</td>
<td>Martin Lauss, Markus Ringnér, and Mattias Höglund</td>
</tr>
<tr>
<td>4382</td>
<td>Induction of B-Chronic Lymphocytic Leukemia Cell Apoptosis by Arsenic Trioxide Involves Suppression of the Phosphoinositide 3-Kinase/Akt Survival Pathway via c-jun-NH₂ Terminal Kinase Activation and PTEN Upregulation</td>
<td>Javier Redondo-Muñoz, Elizabeth Escobar-Díaz, Mercedes Hernández del Cerro, Atanasio Pandiella, María José Terol, José A. García-Marco, and Angeles García-Pardo</td>
</tr>
<tr>
<td>4434</td>
<td>Preclinical and Clinical Evidence that Deoxy-2-[¹⁸F]fluoro-D-glucose Positron Emission Tomography with Computed Tomography Is a Reliable Tool for the Detection of Early Molecular Responses to Erlotinib in Head and Neck Cancer</td>
<td>Sébastien Vergez, Jean-Pierre Delord, Fabienne Thomas, Philippe Rochaix, Olivier Caselles, Thomas Filleron, Séverine Brillouet, Pierre Canal, Frédéric Courbon, and Ben C. Allal</td>
</tr>
<tr>
<td>4392</td>
<td>Actinomycin D Decreases Mcl-1 Expression and Acts Synergistically with ABT-737 against Small Cell Lung Cancer Cell Lines</td>
<td>Haishan Xu and Geoffrey W. Krystal</td>
</tr>
<tr>
<td>4446</td>
<td>Inconsistent Labeling of Food Effect for Oral Agents across Therapeutic Areas: Differences between Oncology and Non-Oncology Products</td>
<td>Soonmo Peter Kang and Mark J. Ratain</td>
</tr>
<tr>
<td>4452</td>
<td>Histopathologic and Immunohistochemical Characterization of Rash to Human Epidermal Growth Factor Receptor 1 (HER1) and HER1/2 Inhibitors in Cancer Patients</td>
<td>Beatrice Nardone, Kimberly Nicholson, Marissa Newman, Joan Guitart, Pedram Gerami, Nicholas Talarič, Ximing J. Yang, Alfred Rademaker, Dennis P. West, and Mario E. Lacouture</td>
</tr>
</tbody>
</table>
This is an original study providing, from preclinical models to patients, a reliable proof of \(^{18}\)FDG-PET/CT efficiency as a surrogate marker for the early evaluation of EGFR-TKI (erlotinib) efficacy that may improve diagnostic accuracy of molecular effect (ERK1/2). The image represents a facial sagittal section of an \(^{18}\)FDG-PET/CT of a patient with an oropharyngeal head and neck squamous cell carcinoma. It reveals a tumor \(^{18}\)FDG uptake before patient exposure to erlotinib. For further details, please see the article by Vergez and colleagues on page 4434 of this issue.