## TABLE OF CONTENTS

### HIGHLIGHTS
- **1097** Selected Articles from This Issue

### CANCER GENES AND NETWORKS
- **1099** Kinetic Characterization of ASXL1/2-Mediated Allosteric Regulation of the BAP1 Deubiquitinase

- **1113** TAGLN Is Downregulated by TRAF6-Mediated Proteasomal Degradation in Prostate Cancer Cells
  - Fuping Wen, Xiaochen Sun, Chenxia Sun, Zhenyang Dong, Gaozhen Jia, Wei Bao, Haolan Yu, and Chenghua Yang

- **1123** MAP3K7 Loss Drives Enhanced Androgen Signaling and Independently Confers Risk of Recurrence in Prostate Cancer with Joint Loss of CHD1

- **1137** NF-κB Blockade with Oral Administration of Dimethylaminoparthenolide (DMAPT), Delays Prostate Cancer Resistance to Androgen Receptor (AR) Inhibition and Inhibits AR Variants
  - Katherine L. Morel, Anis A. Hamid, John G. Clohessy, Nicole Pandell, Leigh Ellis, and Christopher J. Sweeney

### CANCER "-OMICS"
- **1146** Comprehensive Molecular Profiling of Desmoplastic Small Round Cell Tumor

### CELL FATE DECISIONS
- **1156** AP-2α Regulates S-Phase and Is a Marker for Sensitivity to PI3K Inhibitor Buparlisib in Colon Cancer
  - Anna C. Beck, Edward Cho, Jeffrey R. White, Lily Paemka, Tiandao Li, Vivian W. Gu, Dakota T. Thompson, Kelsey E. Koch, Christopher Franke, Matthew Gosse, Vincent T. Wu, Shannon R. Landers, Anthony J. Pamatmat, Mikhail V. Kulak, and Ronald J. Weigel

- **1168** Deubiquitinase UCHL1 Maintains Protein Homeostasis through the PSMA7–APEH–Proteasome Axis in High-grade Serous Ovarian Carcinoma
  - Apoorva Tangri, Kinzie Lighty, Jagadish Loganathan, Fahmi Mesmar, Ram Podicheti, Chi Zhang, Marcin Iwanicki, Ronny Drapkin, Harikrishna Nakshatri, and Sumeegha Mitra

### METABOLISM
- **1182** EWS-FLI1 and Menin Converge to Regulate ATF4 Activity in Ewing Sarcoma
  - Jennifer A. Jiménez, April A. Apfelbaum, Allegra G. Hawkins, Laurie K. Svoboda, Abhijay Kumar, Ramon Ocadi Ruiz, Alessandra X. Garcia, Elena Haarer, Zeribe C. Nwosu, Joshua Bradin, Trupta Purohit, Dong Chen, Tomasz Cierpicki, Jolanta Grembecka, Costas A. Lyssiotis, and Elizabeth R. Lawlor
NEW HORIZONS IN CANCER BIOLOGY
1196  Defects in Emerin–Nucleoskeleton Binding Disrupt Nuclear Structure and Promote Breast Cancer Cell Motility and Metastasis
Alexandra G. Liddane, Chelsea A. McNamara, Mallory C. Campbell, Isabelle Mercier, and James M. Holaska

SIGNAL TRANSDUCTION AND FUNCTIONAL IMAGING
1208  Aberrant Claudin-6–Adhesion Signaling Promotes Endometrial Cancer Progression via Estrogen Receptor α
Manabu Kojima, Kotaro Sugimoto, Makoto Kobayashi, Naoki Ichikawa-Tomikawa, Korehito Kashiwagi, Takafumi Watanabe, Shu Soeda, Keiya Fujimori, and Hideki Chiba

TUMOR MICROENVIRONMENT AND IMMUNOBIOLOGY
1234  An IFNγ/STAT1/JMJD3 Axis Induces ZEB1 Expression and Promotes Aggressiveness in Lung Adenocarcinoma
Jianjian Yang, Xue Wang, Bing Huang, Rong Liu, Hui Xiong, Fan Ye, Chenxi Zeng, Xiangning Fu, and Lequn Li

RETRACTION
1247  Retraction: siRNA-Mediated Downregulation of MMP-9 and uPAR in Combination with Radiation Induces G2–M Cell-Cycle Arrest in Medulloblastoma

ABOUT THE COVER
High-grade serous ovarian cancer (HGSOC) originates from fallopian tube lesions called serous tubal intraepithelial carcinoma (STIC). The presence of identical TP53 mutations in STIC and the concurrent HGSOC establish a clonal relationship between the two lesions. The cover image depicts the immunohistochemical staining of the deubiquitinase Ubiquitin Carboxyl-terminal Hydrolase L1 (UCHL1) in a section of human STIC. UCHL1 expression (brown) was high in the regions with strong p53 nuclear staining in the STIC-associated invasive carcinoma. In this issue, Tangri and colleagues demonstrated that UCHL1 levels correlate with p53 levels, tumor grade, and poor prognosis in human HGSOC. The authors further demonstrated that epigenetic upregulation of UCHL1 in HGSOC maintains protein homeostasis and promotes metastatic growth. For more information, see the article on the page 1168.