## Highlights of This Issue

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    - Ellis R. Levin
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- **CCR Drug Updates**
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    - Jason J. Luke and F. Stephen Hodi

- **Molecular Pathways**
  - Molecular Pathways: Targeting Proteasomal Protein Degradation in Cancer
    - Susan M. Molineaux

- **CCR Focus**
  - On Drug Development, Chance, and the Prepared Mind
    - Susan E. Bates
  - Drug Development: Portals of Discovery
    - Susan E. Bates, Laleh Amiri-Kordestani, and Giuseppe Giaccone
  - BRAF Inhibitors for the Treatment of Metastatic Melanoma: Clinical Trials and Mechanisms of Resistance
    - Alexander Marzuka ACalal and Keith T. Flaherty
  - The Insulin Receptor/Insulin-Like Growth Factor Receptor Family as a Therapeutic Target in Oncology
    - Michael Pollak
  - Inhibitors Targeting Mitosis: Tales of How Great Drugs against a Promising Target Were Brought Down by a Flawed Rationale
    - Edina Komlodi-Pasztor, Dan L. Sackett, and Antonio Tito Fojo

### HUMAN CANCER BIOLOGY

- Polycomb Repressor Complex-2 Is a Novel Target for Mesothelioma Therapy

- Eph-B2/Ephrin-B2 Interaction Plays a Major Role in the Adhesion and Proliferation of Waldenstrom’s Macroglobulinemia
  - Feda Azaz, Abdel Kareem Azaz, Patricia Maiso, Teresa Calimeri, Ludmila Flores, Yang Liu, Phong Quang, Aldo M. Roccaro, Antonio Sacco, Hai T. Ngo, Yong Zhang, Britanny L. Morgan, Ruben D. Carrasco, and Irene M. Ghobrial

- Costimulatory Protein 4 IgB7H3 Drives the Malignant Phenotype of Glioblastoma by Mediating Immune Escape and Invasiveness
  - Dieter Lemke, Philipp-Niclas Pfennig, Felix Sahm, Ann-Catherine Klein, Tore Kempf, Uwe Warnken, Martina Schnöller, Ruxandra Tudoran, Michael Weller, Michael Platten, and Wolfgang Wick

### CANCER THERAPY: PRECLINICAL

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Biyun Ni, Qi Ma, Baowei Li, Lixia Zhao, Yong Liu, Yushan Zhu, and Quan Chen

Synergistic Antitumor Activity of Anti-CD25 Recombinant Immunotoxin LMB-2 with Chemotherapy
Rajat Singh, Yujian Zhang, Ira Pastan, and Robert J. Kreitman

Modulation of the Tumor Microvasculature by Phosphoinositide-3 Kinase Inhibition Increases Doxorubicin Delivery In Vivo
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Antitumor Activity of NVP-BKM120—A Selective Pan Class I PI3 Kinase Inhibitor Showed Differential Forms of Cell Death Based on p53 Status of Glioma Cells
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Lymphatic Invasion Is Independently Prognostic of Metastasis in Primary Cutaneous Melanoma
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A Phase I Weekly Dosing Study of Brentuximab Vedotin in Patients with Relapsed/Refractory CD30-Positive Hematologic Malignancies
Michelle A. Fanale, Andres Forero-Torres, Joseph D. Rosenblatt, Ranjana H. Advani, Anna R. Franklin, Dana A. Kennedy, Tae H. Han, Eric L. Sievers, and Nancy L. Bartlett

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Christina I. Tsien, Doris Brown, Daniel Normolle, Matthew Schipper, Morand Piert, Larry Junck, Jason Heth, Dina Gomez-Hassan, Randall K. Ten Haken, Thomas Chenevert, Yue Cao, and Theodore Lawrence

Molecular Determinants of Retinoic Acid Sensitivity in Pancreatic Cancer
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TP53 Disruptive Mutations Lead to Head and Neck Cancer Treatment Failure through Inhibition of Radiation-Induced Senescence
Heath D. Skinner, Vlad C. Sandulache, Thomas J. Ow, Raymond E. Meyn, John S. Yordy, Beth M. Beadle, Alison L. Fitzgerald, Uma Giri, K. Kian Ang, and Jeffrey N. Myers

Prognostic Significance of Plasma Osteopontin in Patients with Locoregionally Advanced Head and Neck Squamous Cell Carcinoma Treated on TROG 02.02 Phase III Trial
Annette M. Lim, Danny Rischin, Richard Fisher, Hongbin Cao, Kathleen Kwok, Daniel Truong, Grant A. McArthur, Richard J. Young, Amato Giaccia, Lester Peters, and Quynh-Thu Le

VKX3.1 Haploinsufficiency Is Prognostic for Prostate Cancer Relapse following Surgery or Image-Guided Radiotherapy
Jennifer A. Locke, Gaetano Zafarana, Adrian S. Ishkanian, Michael Milosevic, John Thoms, Cherry L. Have, Chad A. Malloff, Wan L. Lam, Jeremy A. Squire, Melanie Pintilie, Jenna Sykes, Varune Rohan Rammarine, Alice Meng, Omer Ahmed, Igor Jurisica, Theo van der Kwast, and Robert G. Bristow

LETTER TO THE EDITOR

A CDD Polymorphism as Predictor of Capecitabine-Induced Hand-Foot Syndrome—Letter
Joseph Ciccolini, Alexandre Evrard, and Bruno Lacarelle

CORRECTIONS

Correction: Lysosomal Sequestration of Sunitinib: A Novel Mechanism of Drug Resistance
Heath D. Skinner, Vlad C. Sandulache, Thomas J. Ow, Raymond E. Meyn, John S. Yordy, Beth M. Beadle, Alison L. Fitzgerald, Uma Giri, K. Kian Ang, and Jeffrey N. Myers

Correction: ABCB1 (MDR1) Polymorphisms and Progression-Free Survival among Women with Ovarian Cancer following Paclitaxel/Carboplatin Chemotherapy
Heath D. Skinner, Vlad C. Sandulache, Thomas J. Ow, Raymond E. Meyn, John S. Yordy, Beth M. Beadle, Alison L. Fitzgerald, Uma Giri, K. Kian Ang, and Jeffrey N. Myers
B7H3 represents a novel driver of gliomagenesis by mediating an immunosuppressive and proinvasive phenotype in glioblastoma. Immunofluorescence demonstrates the perivascularly (alpha-SMA staining; red) enhanced expression of B7H3 (vesicular distribution; green) in human glioblastoma tissue (nuclei staining; blue). For details, see the article by Lemke and colleagues on page 105 of this issue.