First Evidence of Sphingosine 1-Phosphate Lyase Protein Expression and Activity Downregulation in Human Neoplasm: Implication for Resistance to Therapeutics in Prostate Cancer

Induction of the Transcriptional Repressor ZBTB4 in Prostate Cancer Cells by Drug-Induced Targeting of MicroRNA-17-92/106b-25 Clusters

A Role for Homologous Recombination and Abnormal Cell-Cycle Progression in Radioresistance of Glioma-Initiating Cells

Oxidative Stress Induced by Curcumin Promotes the Death of Cutaneous T-cell Lymphoma (HuT-78) by Disrupting the Function of Several Molecular Targets

Killing of Kras-Mutant Colon Cancer Cells via Rac-Independent Actin Remodeling by the βGBP Cytokine, a Physiological PI3K Inhibitor Therapeutically Effective In Vivo

Peptidomimetic Src/Pretubulin Inhibitor KX-01 Alone and in Combination with Paclitaxel Suppresses Growth, Metastasis in Human ER/PR/HER2-Negative Tumor Xenografts
Enhancement of Synthetic Lethality via Combinations of ABT-888, a PARP Inhibitor, and Carboplatin In Vitro and In Vivo Using BRCA1 and BRCA2 Isogenic Models

Caroline C. Clark, Jeffrey N. Weitzel, and Timothy R. O’Connor

TPI-287, a New Taxane Family Member, Reduces the Brain Metastatic Colonization of Breast Cancer Cells

Daniel P. Fitzgerald, David L. Emerson, Yongzhen Qian, Talha Anwar, Hong-Bin Fang, Ling Cai, Zhe-Sheng Chen, Suresh V. Ambudkar, and Maria R. Baer

Evidence for the Ubiquitin Protease UBP43 as an Antineoplastic Target

Yongli Guo, Fadzai Chinyengetere, Andrey V. Dolinko, Alexandra Lopez-Aguilar, Yun Lu, Fabrizio Galimberti, Tian Ma, Qiang Feng, Sarah J. Freeman, Angelina S. Andrew, Vincent Memoli, and Ethan Dmitrovsky

Dacomitinib (PF-00299804), an Irreversible Pan-HER Inhibitor, Inhibits Proliferation of HER2-Amplified Breast Cancer Cell Lines Resistant to Trastuzumab and Lapatinib


YM155 Reverses Cisplatin Resistance in Head and Neck Cancer by Decreasing Cytoplasmic Survivin Levels


The Gamma Secretase Inhibitor MRK-003 Attenuates Pancreatic Cancer Growth in Preclinical Models

Masamichi Mizuma, Zeshaan A. Rasheed, Shinichi Yabuuchi, Noriyuki Omura, Nathaniel R. Campbell, Roeland F. de Wilde, Elizabeth de Oliveira, Qing Zhang, Oscar Puig, William Matsui, Manuel Hidalgo, Anirban Maitra, and N.V. Rajeshkumar

Fibroblast Growth Factor Receptor 2 IIIc as a Therapeutic Target for Colorectal Cancer Cells

Yoko Matsuda, Masahito Hagio, Tomoko Saya, and Toshiyuki Ishiwata

Global Evaluation of Eph Receptors and Ephrins in Lung Adenocarcinomas Identifies EphA4 as an Inhibitor of Cell Migration and Invasion


The Novel BCR-ABL and FLT3 Inhibitor Ponatinib Is a Potent Inhibitor of the MDR-Associated ATP-Binding Cassette Transporter ABCG2

Rupashree Sen, Karthika Natarajan, Jaseet Bhullar, Suneeet Shukla, Hong-Bin Fang, Ling Cai, Zhe-Sheng Chen, Suresh V. Ambudkar, and Maria R. Baer

MLN0905, a Small-Molecule PLK1 Inhibitor, Induces Antitumor Responses in Human Models of Diffuse Large B-cell Lymphoma

Judy Quijia Shi, Kerri Lasky, Vanshali Shinde, Bradley Stringer, Mark G. Qian, Debra Liao, Ray Liu, Denise Driscoll, Michelle Tighe Nestor, Benjamin S. Amidon, Youlan Rao, Matt O. Duffey, Mark G. Manfredi, Tricia J. Vos, Natalie D’ Amore, and Marc L. Hyer

Genetic Variation That Predicts Platinum Sensitivity Reveals the Role of miR-193b* in Chemotherapeutic Susceptibility

Dana Ziliak, Eric R. Gamazon, Bonnie LaCroix, Hae Kyung Im, Yujia Wen, and Rong Stephanie Huang

MOLECULAR MEDICINE IN PRACTICE

Molecular Profiling of Patients with Colorectal Cancer and Matched Targeted Therapy in Phase I Clinical Trials

Rodrigo Dienstmann, Danila Serpico, Jordi Rodon, Cristina Saura, Teresa Macarulla, Elena Elez, Maria Alsina, Jaume Capdevila, Jose Perez-Garcia, Gessami Sánchez-Ollé, Claudia Aura, Ludmila Prudkin, Stefania Landolfi, Javier Hernández-Losa, Ana Vivancos, and Josep Tabernero

Correlation: Proanthocyanidins Inhibit In Vitro Growth of Human Non-Small Cell Lung Cancer Cells by Inhibiting the Prostaglandin E2 and Prostaglandin E2 Receptors

Yoko Matsuda, Masahito Hagio, Tomoko Saya, and Toshiyuki Ishiwata

Correction: Proanthocyanidins Inhibit In Vitro and In Vivo Growth of Human Non-Small Cell Lung Cancer Cells by Inhibiting the Prostaglandin E2 and Prostaglandin E2 Receptors

Yoko Matsuda, Masahito Hagio, Tomoko Saya, and Toshiyuki Ishiwata

MOLECULAR CANCER THERAPEUTICS
Immunohistochemical staining of colorectal cancer tissues using anti-FGFR2IIIc antibody. The tumor cell cytoplasm and cell membrane of adenocarcinoma showed strong immunoreactivity for FGFR2IIIc, which is a splicing isoform of FGFR2. FGFR2IIIc immunoreactivity was expressed in 27% of colorectal cancer cases, and this expression correlated with distant metastasis and poor prognosis. FGFR2IIIc-transfected colorectal cancer cells formed larger tumors in subcutaneous tissues and the cecum of immunodeficient mice. Fully human anti-FGFR2IIIc monoclonal antibody inhibited the growth and migration of colorectal cancer cells. For details, see the article by Matsuda and colleagues on page 2010.
Molecular Cancer Therapeutics

11 (9)


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