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Molecular Pathways

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CANCER THERAPY: PRECLINICAL

Histone Deacetylase Inhibitors Induce Growth Arrest and Differentiation in Uveal Melanoma
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Leflunomide Induces Apoptosis in Fludarabine-Resistant and Clinically Refractory CLL Cells
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Anti-EGFR Antibody Cetuximab Enhances the Cytolytic Activity of Natural Killer Cells toward Osteosarcoma

Bexarotene via CBP/p300 Induces Suppression of NF-κB-Dependent Cell Growth and Invasion in Thyroid Cancer
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Targeting Tumor-Associated Endothelial Cells: Anti-VEGFR2 Immunoliposomes Mediate Tumor Vessel Disruption and Inhibit Tumor Growth
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EpCAM/CD3-Bispecific T-cell Engaging Antibody MT110 Eliminates Primary Human Pancreatic Cancer Stem Cells
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CPTH6, a Thiazole Derivative, Induces Histone Hypoacetylation and Apoptosis in Human Leukemia Cells
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Tipping the Noxa/Mcl-1 Balance Overcomes ABT-737 Resistance in Chronic Lymphocytic Leukemia

VTX-2337 Is a Novel TLR8 Agonist That Activates NK Cells and Augments ADCC
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Iniparib Nonselectively Modifies Cysteine-Containing Proteins in Tumor Cells and Is Not a Bona Fide PARP Inhibitor

IMAGING, DIAGNOSIS, PROGNOSIS

Loss of 18q22.3 Involving the Carboxypeptidase of Glutamate-like Gene Is Associated with Poor Prognosis in Resected Pancreatic Cancer
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MicroRNA Molecular Profiles Associated with Diagnosis, Clinicopathologic Criteria, and Overall Survival in Patients with Resectable Pancreatic Ductal Adenocarcinoma

Association of HER2/ErbB2 Expression and Gene Amplification with Pathologic Features and Prognosis in Esophageal Adenocarcinomas
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CANCER THERAPY: CLINICAL

Phase II, Open-Label, Randomized Trial of the MEK1/2 Inhibitor Selumetinib as Monotherapy versus Temozolomide in Patients with Advanced Melanoma
John M. Kirkwood, Lars Bastholt, Caroline Robert, Jeff Sosman, James Larkin, Peter Hersey, Mark Middleton, Mireille Cantarini, Victoria Zazuquina, Karin Kemsley, and Reinhard Dummer
Phase I, Dose-Escalation Trial of the Oral Cyclin-Dependent Kinase 4/6 Inhibitor PD 0332991, Administered Using a 21-Day Schedule in Patients with Advanced Cancer
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A Genome-Wide Association Study of Overall Survival in Pancreatic Cancer Patients Treated with Gemcitabine in CALGB 80303

Genetic Variations in Epigenetic Genes Are Predictors of Recurrence in Stage I or II Non–Small Cell Lung Cancer Patients
Klaus W. Wagner, Yuanqing Ye, Jie Lin, Ara A. Vaporciyan, Jack A. Roth, and Xifeng Wu

ABOUT THE COVER

Although antiangiogenic therapies are effective and comparatively safe treatments against human cancer, renal toxicity is one of the major concerns. Anti-VEGFR2 immunoliposomes loaded with a chemotherapeutic drug showed marked antitumor activity in various tumor models. Importantly, no long-term renal side effects were evident with this therapy. This image shows a section of mouse kidneys 18 months after repeated injection of anti-VEGFR2 immunoliposomes loaded with doxorubicin. For details, see the article by Wicki and colleagues on page 454 of this issue.