HUMAN CANCER BIOLOGY

Murine Microenvironment Metaprotomes Associate with Human Cancer Etiology and Intrinsic Subtypes
David H. Nguyen, Erik Fredlund, Wei Zhao, Charles M. Perou, Allan Balmain, Jian-Hua Mao, and Mary Helen Barcellos-Hoff

PD-L1 on Tumor Cells Is Induced in Ascites and Promotes Peritoneal Dissemination of Ovarian Cancer through CTL Dysfunction
Kaoru Abiko, Masaki Mandai, Junzo Hamanishi, Yumiko Yoshioka, Norioi Matsumura, Tsukasa Baba, Ken Yamaguchi, Ryusuke Murakami, Ayaka Yamamoto, Budiman Kharna, Kenzo Kosaka, and Ikao Konishi

Rab25 Regulates Invasion and Metastasis in Head and Neck Cancer
Panomwat Amorphimoltham, Kamil Rechache, Jamie Thompson, Andrius Masedunskas, Kantima Leelahavanichkul, Vyomesh Patel, Alfredo Molinolo, J. Silvio Gutkind, and Roberto Weigert

MicroRNA-200a Promotes Anoikis Resistance and Metastasis by Targeting YAP1 in Human Breast Cancer
San-Jian Yu, Jing-Ying Hu, Xiu-Ying Kuang, Jian-Min Lao, Yi-Feng Hou, Gen-Hong Di, Jiong Wu, Zhen-Zhou Shen, Hou-Yan Song, and Zhi-Ming Shao

HIC1 Modulates Prostate Cancer Progression by Epigenetic Modification
Jianghua Zheng, Jinglong Wang, Xueqing Sun, Mingang Hao, Tao Ding, Dan Xiong, Xiuxin Wang, Yu Zhu, Gang Xia, Guangsun Cheng, Meizhong Zhao, Jian Zhang, and Jianhua Wang

Functional Analysis of Genes in Regions Commonly Amplified in High-Grade Serous and Endometrioid Ovarian Cancer
Combination of Ponatinib with Hedgehog Antagonist Vismodegib for Therapy-Resistant BCR-ABL1-Positive Leukemia

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Hepatocyte Growth Factor Sensitizes Brain Tumors to c-MET Kinase Inhibition

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Synergistic Activity of Bortezomib and HDACi in Preclinical Models of B-cell Precursor Acute Lymphoblastic Leukemia via Modulation of p53, PI3K/AKT, and NF-kB

Lorenz Bastian, Jana Hof, Madlen Pfau, Iduna Fichtner, Cornelia Eckert, Günter Henze, Javier Prada, Arend von Stackelberg, Karl Seeger, and Shabnam Shalapour

Contribution of OATP1B1 and OATP1B3 to the Disposition of Sorafenib and Sorafenib-Glucuronide

Eric I. Zimmerman, Shuiying Hu, Justin L. Roberts, Alice A. Gibson, Shelley J. Orwick, Lie Li, Alex Sparreboom, and Sharyn D. Baker

Human Regulatory T Cells Do Not Suppress the Antitumor Immunity in the Bone Marrow: A Role for Bone Marrow Stromal Cells in Neutralizing Regulatory T Cells

Teun Guichelaar, Maarten E. Emmelot, Henk Rozemuller, Bianka Martini, Richard W.J. Groen, Gert Storm, Henk M. Lokhorst, Anton C. Martens, and Tuna Mutis

Effective Anti-Neu–Initiated Antitumor Responses Require the Complex Role of CD4+ T Cells

Eric D. Mortenson, SaeGwang Park, Zhujun Jiang, Shengdian Wang, and Yang-Xin Fu

18F-Fluorodeoxyglucose Positron Emission Tomography in the Management of Patients with Thymic Epithelial Tumors

Anish Thomas, Esther Mena, Karen Kurzdziel, David Venzon, Sean Khozin, Arlene W. Berman, Peter Choyke, Eva Szabo, Arun Rajan, and Giuseppe Giaccone

Molecular Photoacoustic Imaging of Follicular Thyroid Carcinoma

Jelena Levi, Sri-Rajashekar Kothapalli, Sarah Bohndiek, Joon-Kee Yoon, Anca Dragelescu-Andrasi, Carsten Nielsen, Aleksandra Tisma, Sunil Bodapati, Gayatri Gowrishankar, Xinrui Yan, Carmel Chan, Daniela Starcevic, and Sanjiv Sam Gambhir

Number of Target Lesions for EASL and Modified RECIST to Predict Survivals in Hepatocellular Carcinoma Treated with Chemoembolization

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Preclinical and Clinical Studies of Gamma Secretase Inhibitors with Docetaxel on Human Breast Tumors

Anne F. Schott, Melissa D. Landis, Gabriela Dontu, Kent A. Griffith, Rachel M. Layman, Ian Krop, Lacey A. Paskett, Helen Wong, Lacey E. Dobrolecki, Michael T. Lewis, Amber M. Froehlich, Jaya Paranilam, Daniel F. Hayes, Max S. Wicha, and Jenny C. Chang

Targeting of 111In-Labeled Dendritic Cell Human Vaccines Improved by Reducing Number of Cells

Overcoming the Response Plateau in Multiple Myeloma: A Novel Bortezomib-Based Strategy for Secondary Induction and High-Yield CD34+ Stem Cell Mobilization

Castration Therapy Results in Decreased Ku70 Levels in Prostate Cancer

Efficacy, Safety, Pharmacokinetics, and Biomarkers of Cediranib Monotherapy in Advanced Hepatocellular Carcinoma: A Phase II Study

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Biomarker Analysis of Neoadjuvant Doxorubicin/Cyclophosphamide Followed by Irinotecan or Paclitaxel in Early-Stage Breast Cancer

Establishment and Validation of Circulating Tumor Cell–Based Prognostic Nomograms in First-Line Metastatic Breast Cancer Patients

CHFR Protein Expression Predicts Outcomes to Taxane-Based First Line Therapy in Metastatic NSCLC

A Single Nucleotide Polymorphism in Inflammatory Gene RNASEL Predicts Outcome after Radiation Therapy for Localized Prostate Cancer

Clinical Significance of CD33 Nonsynonymous Single-Nucleotide Polymorphisms in Pediatric Patients with Acute Myeloid Leukemia Treated with Gemtuzumab-Ozogamicin–Containing Chemotherapy

A 12-Gene Set Predicts Survival Benefits from Adjuvant Chemotherapy in Non–Small Cell Lung Cancer Patients

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PREDICTIVE BIOMARKERS AND PERSONALIZED MEDICINE
ABOUT THE COVER

The microphotograph shows the induction of apoptosis after combined treatment with bortezomib and the histone deacetylase inhibitor valproic acid in a xenograft mouse model of acute lymphoblastic leukemia (ALL). Human B-cell precursor ALL cells were injected subcutaneously into nonobese diabetic/severe combined immunodeficient mice. Tumor sections after treatments were stained with mAbs against human CD10 (red) indicating leukemia cells, cleaved caspase-3 (green) indicating apoptotic cells, and 4’,6-diamidino-2-phenylindole (nuclei, blue). For details, please see the article by Bastian and colleagues on page 1445 of this issue.