

Highlights of This Issue 1929

REVIEW

- 1931 **Targeted Therapies for Non-Small Cell Lung Cancer: An Evolving Landscape**
Sumanta Kumar Pal, Robert A. Figlin, and Karen Reckamp

RESEARCH ARTICLES

- 1945 **Potent and Selective Inhibition of Polycythemia by the Quinoxaline JAK2 Inhibitor NVP-BSK805**
Fabienne Baffert, Catherine H. Régnier, Alain De Pover, Carole Pissot-Soldermann, Gisele A. Tavares, Francesca Blasco, Josef Brueggen, Patrick Chène, Peter Drueckes, Dirk Erdmann, Pascal Furet, Marc Gerspacher, Marc Lang, David Ledieu, Lynda Nolan, Stephan Ruetz, Joerg Trappe, Eric Vangrevelinghe, Markus Wartmann, Lorenza Wyder, Francesco Hofmann, and Thomas Radimerski
- 1956 **MK-2206, an Allosteric Akt Inhibitor, Enhances Antitumor Efficacy by Standard Chemotherapeutic Agents or Molecular Targeted Drugs *In vitro* and *In vivo***
Hiroshi Hirai, Hiroshi Sootome, Yoko Nakatsuru, Katsuyoshi Miyama, Shunsuke Taguchi, Kyoko Tsujioka, Yoko Ueno, Harold Hatch, Pradip K. Majumder, Bo-Sheng Pan, and Hidehito Kotani
- 1968 **MEK Inhibitor PD0325901 Significantly Reduces the Growth of Papillary Thyroid Carcinoma Cells *In vitro* and *In vivo***
Ying C. Henderson, Yunyun Chen, Mitchell J. Frederick, Stephen Y. Lai, and Gary L. Clayman
- 1977 **PS-341 and Histone Deacetylase Inhibitor Synergistically Induce Apoptosis in Head and Neck Squamous Cell Carcinoma Cells**
JinKoo Kim, Jean Guan, Insoon Chang, Xiaohong Chen, Demin Han, and Cun-Yu Wang

- 1985 **Identification of Common Predictive Markers of *In vitro* Response to the Mek Inhibitor Selumetinib (AZD6244; ARRY-142886) in Human Breast Cancer and Non-Small Cell Lung Cancer Cell Lines**
Edward B. Garon, Richard S. Finn, Wylie Hosmer, Judy Dering, Charles Ginther, Shahriar Adhami, Naeimeh Kamranpour, Sharon Pitts, Amrita Desai, David Elashoff, Tim French, Paul Smith, and Dennis J. Slamon

- 1995 **The Dynamin Inhibitors MiTMAB and OcTMAB Induce Cytokinesis Failure and Inhibit Cell Proliferation in Human Cancer Cells**
Sanket Joshi, Swetha Perera, Jayne Gilbert, Charlotte M. Smith, Anna Mariana, Christopher P. Gordon, Jennette A. Sakoff, Adam McCluskey, Phillip J. Robinson, Antony W. Braithwaite, and Megan Chircop (nee Fabbro)

- 2007 **ABT-737 Overcomes Resistance to Immunotoxin-Mediated Apoptosis and Enhances the Delivery of Pseudomonas Exotoxin-Based Proteins to the Cell Cytosol**
Roberta Traini, Gal Ben-Josef, Diana V. Pastrana, Elizabeth Moskatel, Ashima K. Sharma, Antonella Antignani, and David J. FitzGerald

- 2016 **Telomerase as an Important Target of Androgen Signaling Blockade for Prostate Cancer Treatment**
Shuang Liu, Yanfeng Qi, Yubin Ge, Tamika Duplessis, Brian G. Rowan, Clement Ip, Helen Cheng, Paul S. Rennie, Izumi Horikawa, Arthur J. Lustig, Qun Yu, Haitao Zhang, and Yan Dong

- 2026 **Degrasyn Potentiates the Antitumor Effects of Bortezomib in Mantle Cell Lymphoma Cells *In vitro* and *In vivo*: Therapeutic Implications**
Lan V. Pham, Archito T. Tamayo, Changping Li, William Bornmann, Waldemar Priebe, and Richard J. Ford

- 2037 **Effective Therapeutic Targeting of the Overexpressed HER-2 Receptor in a Highly Metastatic Orthotopic Model of Esophageal Carcinoma**
Stephanie J. Gros, Nina Kurschat, Thorsten Dohrmann, Uta Reichelt, Ana-Maria Dancau, Kersten Peldschus, Gerhard Adam, Robert M. Hoffman, Jakob R. Izbicki, and Jussuf T. Kaifi
- 2046 **Mcl-1 Stability Determines Mitotic Cell Fate of Human Multiple Myeloma Tumor Cells Treated with the Kinesin Spindle Protein Inhibitor ARRY-520**
Brian J. Tunquist, Richard D. Woessner, and Duncan H. Walker
- 2057 **Radiosensitization and Stromal Imaging Response Correlates for the HIF-1 Inhibitor PX-478 Given with or without Chemotherapy in Pancreatic Cancer**
David L. Schwartz, James A. Bankson, Robert Lemos, Jr., Stephen Y. Lai, Arun K. Thittai, Yi He, Galen Hostetter, Michael J. Demeure, Daniel D. Von Hoff, and Garth Powis
- 2068 **Metronomic Gemcitabine in Combination with Sunitinib Inhibits Multisite Metastasis and Increases Survival in an Orthotopic Model of Pancreatic Cancer**
Hop S. Tran Cao, Michael Bouvet, Sharmeela Kaushal, Alex Keleman, Eric Romney, Ginna Kim, John Fruehauf, David K. Imagawa, Robert M. Hoffman, and Matthew H.G. Katz
- 2079 **Sensitivity of Cancer Cells to Plk1 Inhibitor GSK461364A Is Associated with Loss of p53 Function and Chromosome Instability**
Yan Degenhardt, Joel Greshock, Sylvie Laquerre, Aidan G. Gilmartin, Junping Jing, Mark Richter, Xiping Zhang, Maureen Bleam, Wendy Halsey, Ashley Hughes, Christopher Moy, Nancy Liu-Sullivan, Scott Powers, Kurtis Bachman, Jeffrey Jackson, Barbara Weber, and Richard Wooster
- 2090 **Sorafenib, a Multikinase Inhibitor, Enhances the Response of Melanoma to Regional Chemotherapy**
Christina K. Augustine, Hiroaki Toshimitsu, Sin-Ho Jung, Patricia A. Zipfel, Jin S. Yoo, Yasunori Yoshimoto, M. Angelica Selim, James Burchette, Georgia M. Beasley, Nicole McMahon, James Padussis, Scott K. Pruitt, Francis Ali-Osman, and Douglas S. Tyler
- 2102 **p53-Independent Induction of G₁ Arrest and p21^{WAF1/CIP1} Expression by Ascofuranone, an Isoprenoid Antibiotic, through Downregulation of c-Myc**
Ji-Hak Jeong, Shin-Sung Kang, Kwan-Kyu Park, Hyeun-Wook Chang, Junji Magae, and Young-Chae Chang
- 2114 **Silencing of Integrated Human Papillomavirus-16 Oncogenes by Small Interfering RNA-Mediated Heterochromatization**
Jayanth Kumar Palanichamy, Mohit Mehndiratta, Mohita Bhagat, Pradeep Ramalingam, Brati Das, Purna Das, Subrata Sinha, and Parthaprasad Chattopadhyay
- 2123 **The Superparamagnetic Nanoparticles Carrying the E1A Gene Enhance the Radiosensitivity of Human Cervical Carcinoma in Nude Mice**
Liang-Fang Shen, Jia Chen, Shan Zeng, Rong-Rong Zhou, Hong Zhu, Mei-Zuo Zhong, Ruo-Jing Yao, and Hong Shen
- 2131 **Identification of Internalizing Human Single-Chain Antibodies Targeting Brain Tumor Sphere Cells**
Xiaodong Zhu, Scott Bidlingmaier, Rintaro Hashizume, C. David James, Mitchel S. Berger, and Bin Liu
- 2142 **A Genetically Encoded Multifunctional TRAIL Trimer Facilitates Cell-Specific Targeting and Tumor Cell Killing**
Dirk Spitzer, Jonathan E. McDunn, Stacey Plambeck-Suess, Peter S. Goedegebuure, Richard S. Hotchkiss, and William G. Hawkins

LETTER TO THE EDITOR

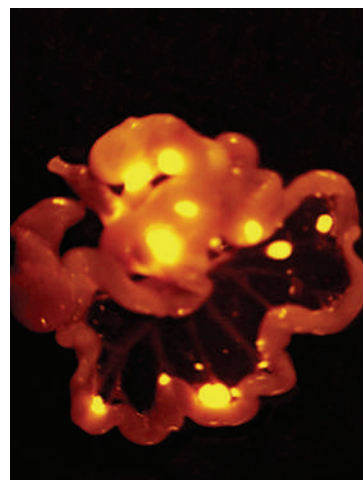
- 2152 **Variant Isoforms of BCR-ABL1 in Chronic Myelogenous Leukemia Reflect Alternative Splicing of ABL1 in Normal Tissue – Letter**
Jamshid S. Khorashad, Dragana Milojkovic, and Alistair G. Reid

CORRECTION

2153 | **Correction: A Novel Small-Molecule
Inhibitor of Protein Kinase D
Blocks Pancreatic Cancer Growth
In vitro and *In vivo***

ABOUT THE COVER

The image is of a metastasis to the small bowel mesentery of the human MIA PaCa pancreatic carcinoma labeled with red fluorescent protein orthotopically transplanted in a nude mouse that was not treated. Metronomic gemcitabine treatment inhibited metastasis to all sites without noticeable toxicity. For details, see article by Tran Cao and colleagues on page 2068.



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