### Highlights of This Issue 2283

#### SMALL MOLECULE THERAPEUTICS

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Huilang Li, Mohamed D.H. Hsson, Nathan A. Lack, Peter Aserio-Cilies, Eric Leblanc, Peyman Tavassoli, Natalia Kanaan, Kate Frewin, Kriti Singh, Hans Adomat, Konrad J. Böhm, Helge Prinz, Emma Tomlinson Guns, Paul S. Rennie, and Artem Cherkasov

LARGE MOLECULE THERAPEUTICS

A Highly Potent and Specific MET Therapeutic Protein Antagonist with Both Ligand-Dependent and Ligand-Independent Activity

Molecular Radiotherapy Using Cleavable Radioimmunoconjugates That Target EGFR and γH2AX
Bart Cornelissen, Andrew Waller, Sarah Able, and Katherine A. Vallis

CANCER THERAPEUTICS INSIGHTS

The Cannabinoid WIN 55,212-2 Decreases Specificity Protein Transcription Factors and the Oncogenic Cap Protein eIF4E in Colon Cancer Cells
Sandeept Sreevalsa and Stephen Safe

In Vitro and In Vivo Therapeutic Efficacy of Carfilzomib in Mantle Cell Lymphoma: Targeting the Immunoproteasome
Liang Zhang, Lan V. Pham, Kate J. Newberry, Zhishuo Ou, Rong Liang, Jianfei Qian, Luhong Sun, Marzena Blonska, Yun You, Jing Yang, Xin Lin, Alex Rollo, Archito T. Tamayo, John Lee, Richard J. Ford, Xiurong Zhao, Larry W. Kwak, Qing Yi, and Michael Wang

[Other research articles listed and described in detail]
miRNA-141, Downregulated in Pancreatic Cancer, Inhibits Cell Proliferation and Invasion by Directly Targeting MAP4K4
Gang Zhao, Bo Wang, Yang Liu, Jun-gang Zhang, Shi-chang Deng, Qi Qin, Kui Tian, Xiang Li, Shuai Zhu, Yi Niu, Qiong Gong, and Chun-you Wang

Arginine Deiminase Resistance in Melanoma Cells Is Associated with Metabolic Reprogramming, Glucose Dependence, and Glutamine Addiction
Yan Long, Wen-Bin Tsai, Medhi Wangpaichitr, Takashi Tsukamoto, Niramol Savaraj, Lynn G. Feun, and Macus Tien Kuo

Combining PARP-1 Inhibition and Radiation in Ewing Sarcoma Results in Lethal DNA Damage
Hae-June Lee, Changhwan Yoon, Benjamin Schmidt, Do Joong Park, Alexa Y. Zhang, Hayriye V. Erkizan, Jeffrey A. Toretsky, David G. Kirsch, and Sam S. Yoon

Capillary Isoelectric-Focusing Immunoassays to Study Dynamic Oncoprotein Phosphorylation and Drug Response to Targeted Therapies in Non-Small Cell Lung Cancer

EGFR Exon 20 Insertion A763-Y764insFQEA and Response to Erlotinib—Letter
Pei Jye Voon, Dana Wai Yi Tsui, Nitzan Rosenfeld, and Tan Min Chin

ABOUT THE COVER
Ribbon representation of a homology model of the c-Met specific Anticalin PRS-110. Anticalins are engineered human lipocalins that represent a next generation class of drug molecules. The lipocalins have a structurally conserved β-barrel architecture that forms a cup-shaped ligand binding pocket that can accommodate small and large ligands. The β strands (blue) of the lipocalin form the base of the ligand-binding pocket and the entry of the pocket is comprised of four loops connecting the β strands. Novel, target-specific Anticalins are generated by engineering mutations (pink regions, PRS-110 mutations) within these four loops and then selecting variants with the desired binding activity. For details, see article by Olwill and colleagues on page 2459.
Molecular Cancer Therapeutics

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