



Scan to view this journal
on your mobile device



ACTA BIOCHIMICA ET BIOPHYSICA SINICA

VOLUME 48, NUMBER 1
JANUARY 2016

Special Issue: Targeted anti-cancer drug discovery and cell signaling

Contents

Editorial

New hopes in the fight against cancer: a special issue on targeted anti-cancer drug discovery and cell signaling <i>Xiaodong Cheng</i>	1
---	---

Reviews

Computational allosteric ligand binding site identification on Ras proteins <i>Michael McCarthy, Priyanka Prakash, and Alemayehu A. Gorfe</i>	3
Targeting KRAS-mutant non-small cell lung cancer: challenges and opportunities <i>Jun Zhang, Dongkyoo Park, Dong M. Shin, and Xingming Deng</i>	11
The greedy nature of mutant RAS: a boon for drug discovery targeting cancer metabolism? <i>Jing Lv, Jieqiong Wang, Siyu Chang, Mingyao Liu, and Xiufeng Pang</i>	17
RAS signaling and anti-RAS therapy: lessons learned from genetically engineered mouse models, human cancer cells, and patient-related studies <i>Bingliang Fang</i>	27
HER3/ErbB3, an emerging cancer therapeutic target <i>Ningyan Zhang, Yujun Chang, Adan Rios, and Zhiqiang An</i>	39
Targeting truncated RXR α for cancer therapy <i>Xiaokun Zhang, Hu Zhou, and Ying Su</i>	49
Autophagy regulation in the development and treatment of breast cancer <i>Yuting Zhou, Edmund B. Rucker III, and Binhua P. Zhou</i>	60
The pleiotropic role of exchange protein directly activated by cAMP 1 (EPAC1) in cancer: implications for therapeutic intervention <i>Muayad Almahariq, Fang C. Mei, and Xiaodong Cheng</i>	75
Multifaceted roles for thymine DNA glycosylase in embryonic development and human carcinogenesis <i>Xuehe Xu, David S. Watt, and Chunming Liu</i>	82
Identifying therapeutic targets in gastric cancer: the current status and future direction <i>Beiqin Yu, and Jingwu Xie</i>	90
Targeting epigenetic regulations in cancer <i>Bo Ning, Wenyuan Li, Wei Zhao, and Rongfu Wang</i>	97

Acta Biochim Biophys Sin is indexed in Science Citation Index-Expanded™, PubMed, MEDLINE, Biochemistry & Biophysics Citation Index™, Biological Abstracts, Bioscience Citation Index™, Chemical Abstracts, Research Alert™, etc. *Acta Biochim Biophys Sin* is supported by the grants from the Science Publishing Foundation of the Chinese Academy of Sciences, the Project for Enhancing International Impact of China STM Journals, and the WANG Ying-Lai Foundation.