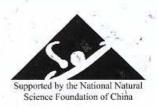


on your mobile device



# Acta Biochimica et Biophysica Sinica

Vol. 44 No. 2 February 2012

#### Contents

#### Review

103 A primer on using pooled shRNA libraries for functional genomic screens Guang Hu and Ji Luo

### **Original Articles**

- 113 Epitope peptides of influenza H3N2 virus neuraminidase gene designed by immunoinformatics Lijun Liang, Ping Huang, Miaoheng Wen, Hanzhong Ni, Songnuan Tan, Yonghui Zhang, and Qiuxia Chen
- 119 OxLDL up-regulates Niemann-Pick type C1 expression through ERK1/2/COX-2/PPARα-signaling pathway in macrophages

Xiaohua Yu, Xiaoxu Li, Guojun Zhao, Ji Xiao, Zhongcheng Mo, Kai Yin, Zhisheng Jiang, Yuchang Fu, Xiaohui Zha, and Chaoke Tang

- 129 Simple and sensitive microRNA labeling by terminal deoxynucleotidyl transferase Botao Zhao, Zhizheng Gong, Zhongliang Ma, Detao Wang, and Youxin Jin
- 136 Effects of CS-1 on A431 cell proliferation, cell cycle, and epidermal growth factor receptor signal transduction

Haiyan Du, Bo Xu, Caixia Wu, Min Li, Fuxiang Ran, Shaoqing Cai, and Jingrong Cui

- 147 Synergistic antitumor efficiency of docetaxel and curcumin against lung cancer Haitao Yin, Rui Guo, Yong Xu, Yulong Zheng, Zhibo Hou, Xinzheng Dai, Zhengdong Zhang, Donghui Zheng, and Hua'e Xu
- 154 Virion protein 16 induces demethylation of DNA integrated within chromatin in a novel mammalian cell model Lu Yang, Huijun Wang, Xin Luo, Pengliang Mao, Weidong Tian, Yujiang Shi, Guoying Huang, Jin Zhang, and Duan Ma
- 162 Two novel cis-elements involved in hepatocyte nuclear factor 4α regulation of acyl-coenzyme A:cholesterol acyltransferase 2 expression

Zhuqin Zhang, Jinjing Liu, Yang Xi, Ruifeng Yang, Houzao Chen, Zhenya Li, Depei Liu, and Chihchuan Liang

#### **Short Communications**

- 172 Differential redox potential between the human cytosolic and mitochondrial branched-chain aminotransferase Steven J. Coles, John T. Hancock, and Myra E. Conway
- 177 miR-375 is highly expressed and possibly transactivated by achaete-scute complex homolog 1 in small-cell lung cancer cells

Huijie Zhao, Lei Zhu, Yujuan Jin, Hongbin Ji, Xiumin Yan, and Xueliang Zhu

## New Phenomenon

183 Tissue factor pathway inhibitor-2 may interact with nuclear protein RASSF1C Xudong Chen, Zhenwu Li, Jin Zhang, Zuohua Mao, Duan Ma, and Huijun Wang

Acta Biochim Biophys Sin is indexed in Science Citation Index-Expanded<sup>TM</sup>, PubMed, MEDLINE, Biochemistry & Biophysics Citation Index<sup>TM</sup>, Biological Abstracts, Bioscience Citation Index<sup>TM</sup>, Chemical Abstracts, Research Alert<sup>TM</sup>, etc. Acta Biochim Biophys Sin is supported by the grants from the Science Publishing Foundation of the Chinese Academy of Sciences, the National Natural Science Foundation of China, and WANG Ying-Lai Foundation.