



Scan to view this journal
on your mobile device



Supported by the National Natural
Science Foundation of China

Acta Biochimica et Biophysica Sinica

Vol. 45 No. 8 August 2013

Contents

Review

- 613 Structure–activity relationship of memapsin 2: implications on physiological functions and Alzheimer's disease**

Xiaoman Li, Lin Hong, Kathleen Coughlan, Liang Wang, Liu Cao, and Jordan Tang

Original Articles

- 622 Depletion of *PHF14*, a novel histone-binding protein gene, causes neonatal lethality in mice due to respiratory failure**

Qin Huang, Lin Zhang, Yiguo Wang, Chenyi Zhang, Shuhua Zhou, Guang Yang, Zhongqiang Li, Xiang Gao, Zhengjun Chen, and Zhe Zhang

- 634 Superior anticancer efficacy of curcumin-loaded nanoparticles against lung cancer**

Haitao Yin, Hao Zhang, and Baorui Liu

- 641 The association of adipose-derived dimethylarginine dimethylaminohydrolase-2 with insulin sensitivity in experimental type 2 diabetes mellitus**

Jie Zheng, Kuansong Wang, Ping Jin, Changsheng Dong, Qiong Yuan, Yuanjian Li, and Zhichun Yang

- 649 Purification and characterization of a novel anti-*HSV-2* protein with antiproliferative and peroxidase activities from *Stellaria media***

Yu Shan, Yuhong Zheng, Fuqin Guan, Jianjian Zhou, Haiguang Zhao, Bing Xia, and Xu Feng

- 656 Vascular endothelial growth factor induces multidrug resistance-associated protein 1 overexpression through phosphatidylinositol-3-kinase /protein kinase B signaling pathway and transcription factor specificity protein 1 in BGC823 cell line**

Juan Li, Xiaojun Wu, Jinling Gong, Jing Yang, Jiayan Leng, Qiaoyun Chen, and Wenlin Xu

- 664 Expression and characterization of a novel highly glucose-tolerant β -glucosidase from a soil metagenome**

Jian Lu, Liqin Du, Yutuo Wei, Yuanyuan Hu, and Ribo Huang

- 674 Effect of newly identified hTERT-interacting proteins on telomerase activity**

Lina Zhou, Bing Chen, Xing Hua, Ping Zhou, Lian Guo, Yong Peng, and Kunhua Qiu

- 683 Everolimus enhances the cytotoxicity of bendamustine in multiple myeloma cells through a network of pro-apoptotic and cell-cycle-progression regulatory proteins**

Bo Lu, Juan Li, Jingxuan Pan, Beihui Huang, Junru Liu, and Dong Zheng

Short Communication

- 692 Comparative study of microRNA profiling in keloid fibroblast and annotation of differential expressed microRNAs**

Chao Li, Yuehong Bai, Hua Liu, Xuemei Zuo, Hāichang Yao, Yiming Xu, and Manlin Cao

Lab Notes

700 Gelatin/hyaluronic acid nanofibrous scaffolds: biomimetics of extracellular matrix

Yuan Lian, Lixia Yuan, Lili Ji, and Kuihua Zhang

704 Monoclonal and polyclonal antibodies against the precursor of recombinant human insulin

Chunsheng Leng, Qingwei Li, Fenfang Wu, Liyong Chen, and Peng Su

706 Microarray partition using a recycled marker pen and neutral balsam

Li Cheng, Shujuan Guo, and Shengce Tao

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 National Natural Science Foundation of China, and WANG Ying-Lai Foundation.