



Scan to view this journal
on your mobile device



Supported by the National Natural
Science Foundation of China

Acta Biochimica et Biophysica Sinica

Vol. 46 No. 10 October 2014

Contents

Original Articles

- 829 Novel benzenediamine derivative FC99 ameliorates zymosan-induced arthritis by inhibiting ROR γ t expression and Th17 cell differentiation**
Jianjian Ji, Huan Dou, Xiaoqin Li, Yuxian Song, Xiaojing Li, Erguang Li, Renxiang Tan, and Yayi Hou
- 837 Structure variations of TBA G-quadruplex induced by 2'-O-methyl nucleotide in K⁺ and Ca²⁺ environments**
Xiaoyang Zhao, Bo Liu, Jing Yan, Ying Yuan, Liwen An, and Yifu Guan
- 851 The influence of nitroglycerin on the proliferation of endothelial progenitor cells from peripheral blood of patients with coronary artery disease**
Xin Wang, Caiyu Zeng, Huiping Gong, Hong He, Mengxin Wang, Qin Hu, and Falin Yang
- 859 Mammalian cell display for rapid screening scFv antibody therapy**
Jing Zhang, Xiao'ai Zhang, Qiang Liu, Mengyi Li, Liucun Gao, Xin Gao, Shensi Xiang, Liangliang Wu, Jie Fu, and Haifeng Song
- 867 CecropinXJ, a silkworm antimicrobial peptide, induces cytoskeleton disruption in esophageal carcinoma cells**
Lijie Xia, Yanling Wu, Su Kang, Ji Ma, Jianhua Yang, and Fuchun Zhang
- 877 Fucoxanthin induces growth arrest and apoptosis in human bladder cancer T24 cells by up-regulation of p21 and down-regulation of mortalin**
Linbo Wang, Yang Zeng, Ye Liu, Xuansheng Hu, Shuhong Li, Yuepeng Wang, Ling Li, Zhongfang Lei, and Zhenya Zhang
- 885 Arsenic trioxide and microRNA-204 display contrary effects on regulating adipogenic and osteogenic differentiation of mesenchymal stem cells in aplastic anemia**
Junmei Zhao, Chao Wang, Yongping Song, and Baijun Fang
- 894 Characterization of combinatorial histone modifications on lineage-affiliated genes during hematopoietic stem cell myeloid commitment**
Huarong Tang, Shimin An, Huanying Zhen, and Fangping Chen
- 902 Endoplasmic reticulum oxidoreductin 1 α mediates hepatic endoplasmic reticulum stress in homocysteine-induced atherosclerosis**
Xiaoling Yang, Hua Xu, Yinju Hao, Li Zhao, Xin Cai, Jue Tian, Minghao Zhang, Xuebo Han, Shengchao Ma, Jun Cao, and Yideng Jiang

Short Communication

- 911 Identification of biochemical association of phycobilisome with photosystems in cyanobacterial state transition**
Jiaohong Zhao, Liping Chen, Fudan Gao, Quanxi Wang, Zijian Qiu, and Weimin Ma



New Phenomena

917 Homocysteine-mediated intestinal epithelial barrier dysfunction in the rat model of irritable bowel syndrome caused by maternal separation

Yun Zhao and Lingjia Qian

920 Anti-inflammatory activity of total flavonoids from seeds of *Camellia oleifera* Abel

Xiaohui Liu, Lingyan Jia, Ying Gao, Bo Li, and Youying Tu

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.