



Scan to view this journal  
on your mobile device



## ACTA BIOCHIMICA ET BIOPHYSICA SINICA

VOLUME 48, NUMBER 5  
MAY 2016

### Contents

#### Review

- Three decades of research on angiogenin: a review and perspective  
*Jinghao Sheng and Zhengping Xu* ..... 399

#### Original Articles

- A benzenediamine derivate FC-99 attenuates lupus nephritis in MRL/lpr mice via inhibiting myeloid dendritic cell-secreted BAFF  
*Jianjian Ji, Jingjing Xu, Fanlin Li, Xiaojing Li, Wei Gong, Yuxian Song, Huan Dou, and Yayi Hou* ..... 411
- Abrin P2 suppresses proliferation and induces apoptosis of colon cancer cells via mitochondrial membrane depolarization and caspase activation  
*Ying Yu, Runmei Yang, Xiuyun Zhao, Dandan Qin, Zhaoyang Liu, Fang Liu, Xin Song, Liqin Li, Renqing Feng, and Nannan Gao* ..... 420
- Downregulation of myosin VI reduced cell growth and increased apoptosis in human colorectal cancer  
*Weiqiang You, Gewen Tan, Nengquan Sheng, Jianfeng Gong, Jun Yan, Di Chen, Huizhen Zhang, and Zhigang Wang* ..... 430
- The effect of *Scutellaria baicalensis* stem-leaf flavonoids on spatial learning and memory in chronic cerebral ischemia-induced vascular dementia of rats  
*Yanjing Cao, Lizhen Liang, Jian Xu, Jiali Wu, Yongxing Yan, Ping Lin, Qiang Chen, Fengming Zheng, Qin Wang, Qian Ren, Zengmei Gou, and Yifeng Du* ..... 437
- Akt3 knockdown induces mitochondrial dysfunction in human cancer cells  
*Minjee Kim, Young Yeon Kim, Hye Jin Jee, Sun Sik Bae, Na Young Jeong, Jee-Hyun Um, and Jeanho Yun* ..... 447
- Gambogic acid inhibits LPS-simulated inflammatory response by suppressing NF- $\kappa$ B and MAPK in macrophages  
*Xianjun Yu, Qun Zhao, Haiwei Zhang, Cunxian Fan, Xixi Zhang, Qun Xie, Chengxian Xu, Yongbo Liu, Xiaoxia Wu, Quanbin Han, and Haibing Zhang* ..... 454
- Galectin-1 knockdown in carcinoma-associated fibroblasts inhibits migration and invasion of human MDA-MB-231 breast cancer cells by modulating MMP-9 expression  
*Xue Zhu, Ke Wang, Kai Zhang, Fei Xu, Yongxiang Yin, Ling Zhu, and Fanfan Zhou* ..... 462
- #### Short Communications
- Mup-knockout mice generated through CRISPR/Cas9-mediated deletion for use in urinary protein analysis  
*Haixia Yang, Wei Zhang, Shan Lu, Guangqing Lu, Hongjuan Zhang, Yinghua Zhuang, Yue Wang, Mengqiu Dong, Yu Zhang, Xingang Zhou, Peng Wang, Lei Yu, Fengchao Wang, and Liang Chen* ..... 468

Construction of a metabolomics profile of arsenic trioxide effect in gastric carcinoma cell line SGC7901  
*Ziqing Chen, Hainan Zhang, Lina Yang, Hewei Jiang, Shujuan Guo, Yang Li, and Shengce Tao* ..... 474

#### **New Phenomena**

Docosahexaenoic acid supplementation failed to attenuate chronic alcoholic fatty liver in mice  
*Yi Wang, Yuying Zhao, Mingzhuo Li, Yunxuan Wang, Shuqing Yu, and Tao Zeng* ..... 482

Role of Neu-p11/luzindole in the regulation of insulin signaling pathways and insulin resistance  
*Xiuping Li, Shichang Cai, Weidong Yin, Xiaobo Hu, Sujun Zhang, Zhengming Li, Xing Li, and Moshe Laudon* ..... 485

#### **Research Highlight**

A new perspective of mechanosensitive pannexin-1 channels in cancer metastasis: clues for the treatment of other stress-induced diseases  
*Di Wu, Lanfang Li, and Linxi Chen* ..... 487

*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.