# CONTENTS

1. **Redox-evolution of Eca-109 cells by 8-Br-cAMP and quercetin and correlation with p16 ssDNA binding nuclear matrix protein**  
   Qinxiang Zhang, Naigang Zheng, Ying Zhang, Yiling Wang, Jinglan Wu  
   1 – 7

2. **Construction of specific short hairpin RNA targeting Nucleostemin mediated by T7 RNA polymerase promoter in vitro**  
   Baohong Yue, Xiaoyan Zhu, Qingxia Wang, Shuai Liu, Ling Sun, Xiaoqiang Zhao, Yanli Chen, Qinxian Zhang  
   8 – 12

3. **Expression of E-cd and nm23 genes and relationship with papillary thyroid carcinoma proliferation and metastasis**  
   Detao Yin, Qingzhao Wang, Jiaxiang Wang  
   13 – 16

4. **Inhibiting hTERT antisense oligodeoxynucleotide changes proliferation and telomerase activity of HL-60 cells**  
   Feng Wang, Ling Sun, Hui Sun, Qingxia Fan, Xiaoping Le, Qinxian Zhang  
   17 – 21

5. **Clinical efficacy for the treatment of esophageal cancer with rabdosia rubescens alone and combining with chemotherapy**  
   Rui Wang, Peng Cheng, Qingxia Fan, Ruilin Wang  
   22 – 25

6. **Association between the variable number of tandem repeat polymorphisms of endothelial nitric oxide synthase and ischemic cerebrovascular diseases in Henan Han ethnicity**  
   Aifan Li, Bo Song, Hong Zheng, Xiaoman Zhang, Ying He, Yuming Xu  
   26 – 29

7. **Determination of betaxolol in human plasma by high-performance liquid chromatography with fluorescence detection**  
   Chunli Wu, Yankai Liu  
   30 – 33

8. **Analysis of the function of the genes associated with eight kinds of liver diseases with oligonucleotide microarray during rat liver regeneration**  
   Xiaoguang Chen, Zhifeng Xing, QianJi Ning, Lianxing Zhang, Cunshuan Xu  
   34 – 41

9. **Expression patterns and action analysis of the toxic liver injury-associated genes during rat liver regeneration after partial hepatectomy**  
   Panfeng Liu, Zhifeng Xing, Cunshuan Xu  
   42 – 48
10. Expression patterns and action analysis of the genes related to humoral immune response during rat liver regeneration
   Fang Fang, Lifeng Zhao, Zehua Xin, Xiaoguang Chen, Cunshuan Xu

11. Progress in study of exercise, monocarboxylate transporter 1 and lactic shuttle lionality
   Yingping Huang, Tao Xiao, Yuehong Liang

12. Cloning and sequence analysis of preprochymosin cDNA of Xinong Saanen Milk Goat
   Baojin Yang, Xueqing Wang, Jun Luo, Guifen Tang, Wengang Li, Lijuan Zhang

13. Histopathological study on the parasitised visceral organs of some fishes of Lekki Lagoon, Lagos, Nigeria
   Akinsanya Bamidele

14. The artificial substrate preference of invertebrates in Ogbe Creek, Lagos, Nigeria
   Joseph kayode Saliu, Ufuoma Reubena Ovuorie

15. The effects of different exercise training mode on interleukins
   Zhendong Zhang, Lei Zhang, Jing Xu

16. Field trial evaluation of povidone iodine as an effective disinfectant for different stages of returning spawners salmon
   A.E. Eissa, EE Elsayed, M Faisal

17. Author index and subject index

On the cover: From the left to right columns the images showed human esophageal cancer cells in the panel A (8-Br-cAMP group), panel B (quercetin group) and panel C (control group). The top row images showed in situ DNA-binding protein (DBP) signals in violet color by using biotin-labeled specific DNA probe, the middle row images showed in situ hybridization signals in bluish-violet color by biotin-labeled p16 cDNA probe and the bottom row showed the proliferating (blue)/differentiated (red) cells by HCl-denature + methyl green-pyronin cytochemistry. See Redox-evolution of Eca-109 cells by 8-Br-cAMP and quercetin and correlation with p16 ssDNA binding nuclear matrix protein by Qinxian Zhang, et al, page 1 – 7 in this issue.