

## Table of Contents

### Editorial

- 401 Identification of High-Risk Populations: The Cornerstone of Effective and Cost-Efficient Cancer Screening  
Wei Cao, Fei Wang, and Ni Li

### Original Articles

- 403 Role of Gold Nanorods Functionalized by Nucleic Acid Nanostructures Carrying Doxorubicin in Synergistic Anti-Cancer Therapy  
Hao Wu, Huangshui Ma, Xinghan Wu, Qiang Sun, Lin Feng, Ruifang Jiang, Yanhong Li, and Quan Shi
- 416 Construction of a Prognostic Model for Lysosome-dependent Cell Death in Gastric Cancer Based on Single-cell RNA-seq and Bulk RNA-seq Data  
Peng Ni, Kaixin Guo, Tianyi Liang, Xinshuang Fan, Yanqiao Hua, Yangye Gao, Shuaiyin Chen, Guangcai Duan, and Rongguang Zhang
- 433 Threshold-Effect Associations of Serum 25-hydroxyvitamin D on Bone Turnover Markers and GC rs2282679 Variants in Chinese Women of Childbearing Age  
Xiaoyun Shan, Yuting Li, Xiayu Zhao, Yichun Hu, Siran Li, Huidi Zhang, Yang Cao, Rui Wang, and Lichen Yang
- 447 Exploring the Efficacy of BMSC Transplantation *via* Various Pathways for Treating Cholestatic Liver Fibrosis in Mice  
Junjie Ren, Zixu Li, Xinrui Shi, Tingting Lyu, Xiaonan Li, Min Ge, Qizhi Shuai, and Tingjuan Huang
- 459 Homocysteine Levels and Determinants among Chinese Women at Mid-pregnancy, Late Pregnancy, and Postpartum  
Zhenyu Guo, Hongtian Li, Yirui Ma, Ying Meng, Yubo Zhou, and Jianmeng Liu
- 469 Antibiotic-Depleted Lung Microbiota Modulates Surfactant Proteins Expression and Reduces Experimental Silicosis  
Qiang Zhou, Meiyu Chang, Ning Li, Yi Guan, and Sanqiao Yao
- 484 Hydrogen Sulfide Alleviates Lipid Peroxidation-Mediated Carbonyl Stress in Uranium-Intoxicated Kidney Cells *via* Nrf2/ARE Signaling  
Jialin Liu, Min Wang, Rui Zhang, Jifang Zheng, Xixiu Jiang, and Qiaoni Hu

## Letters

- 501 Development and Validation of Machine Learning Models for Lung Cancer Risk Prediction in High-Risk Population: A Retrospective Cohort Study  
Yu Su, Haoran Zhan, Shangyao Li, Yitong Lu, Ruhuan Ma, Hai Fang, Tingting Xu, and Yu Tian
- 506 Risk Factors and Predictive Model for Acute Mountain Sickness among Han Chinese Travelers to Xizang Autonomous Region  
Qianhui Gong, Qiong Li, Zhichao Xu, Xiaowei Chen, and Xiaobing Shen
- 511 Kitchen Ventilation Attenuate the Association of Solid Fuel Use with Sarcopenia: A Cross-Sectional and Prospective Study  
Yinghao Yuchi, Wei Liao, Jia Qiu, Ruiying Li, Ning Kang, Xiaotian Liu, Wenqian Huo, Zhenxing Mao, Jian Hou, Lei Zhang, and Chongjian Wang
- 516 Experimental Study on Distribution and Deposition Characteristics of Phi-X174 and MS2 Bacteriophages in an Air Chamber  
Baoying Zhang, Cuicui Ma, Yanyan Wang, and Jin Shen
- 519 Role of the Gut–Brain Axis in Chronotype-Driven Alzheimer’s Disease: A Mendelian Randomization Study  
Jingting Kong, Mengxue Wang, Xuezi Zhang, Zan Wang, and Qingguo Ren

## Correction

- 525 Correction

**Managing Editor:** Qun Zhang

**Editor in Charge:** Yunshang Cui

**Editors:** Yuanyuan Xu, Xueying Shen, Ying Zhang, Xiaoning Wang

**Address:** Editorial Office of Biomedical and Environmental Sciences, Chinese Center for Disease Control and Prevention

155 Changbai Road, Changping District, Beijing 102206, China

Tel: 86-10-58900404, 58900455, 58900233

E-mail: besjournal@sina.com      bes@chinacdc.cn

Full Text and Manuscript Submission: [www.besjournal.com](http://www.besjournal.com)