

中国生物化学与分子生物学报

ZHONGGUO SHENGWU HUAXUE YU FENZI SHENGWU XUEBAO

第40卷 第7期

2024年7月

目次

综述

- 多梳抑制性去泛素化酶复合物的结构与功能及其在血液肿瘤发生发展中的作用 张文文, 蒋福全, 陈振华(879)
- 脱氧核酶催化放大效应在微RNA传感中的研究与应用 王树急, 曹汝菲, 段晓雷(889)
- 产热脂肪细胞中线粒体代谢适应的调节 崔轩, 施亭, 潘东宁(897)
- 小胶质细胞极化介导的神经炎症在血管性痴呆中的作用机制 马璐瑶, 李彦杰, 秦合伟(907)
- 绿原酸调控巨噬细胞改善炎症性疾病 马欢欢, 陈欢, 侯宏卫(914)
- 染色体空间构象研究:技术、应用与挑战 王仁杰, 胡梦梦, 杨坤(921)

研究论文

- METTL3介导的PDK1 mRNA m⁶A修饰通过Akt/mTOR信号通路促进肺上皮细胞增殖(英) 靳艾, 李梦宇, 孙青竹(934)
- 基于血细胞全长转录物组和血清差异蛋白质组的厚壳贻贝新型免疫相关蛋白质鉴定 肖文慧, 王昊东, 阳宗欣, 宋方, 王月, 何建瑜, 张晓林, 严小军, 廖智(947)
- LncRNA 606938抑制结直肠癌细胞增殖 武海丽, 段冰, 杜锦娥, 马佳品, 李卓玉(964)
- 长非编码RNA PART1抑制喉鳞癌细胞增殖和侵袭(英) 吴昊, 张文桃, 贾峰峰, 刘铭, 朱剑军(976)
- 跑台运动通过p38 MAPK信号通路调控泛凋亡改善糖尿病小鼠认知功能障碍 盛科研, 陈钰颜, 高原, 张宝文, 张蒙, 王志, 寇现娟(987)
- PI3K/AKT信号通路介导沉默TRIM32对甲基苯丙胺成瘾所致细胞凋亡的抑制作用 孙晓静, 孟宪勇, 余会娇, 董晓华(999)

技术与方法

- iRSC-PseAAC:基于有效降维算法LDA预测蛋白质中的氧化还原敏感半胱氨酸位点 魏欣, 刘春生, 吕哲, 林刚, 胡思亲, 贾建华(1009)

教育与教学

- “生物学基础”课程思政元素的挖掘、设计与实施路径 夏凯, 李业, 赵倩, 黄俊(1017)

封面图片

- METTL3介导的PDK1 mRNA m⁶A修饰通过Akt/mTOR信号通路促进肺上皮细胞增殖 封面图片设计 靳艾

封二图片

- 不忘初心砥砺前行 封二图片设计 裴雁曦, 尚伟芬

Chinese Journal of Biochemistry and Molecular Biology

July 2024

Vol. 40 No. 7

CONTENTS

Reviews

- Structure and Function of the PR-DUB Complex and Its Role in the Development of Haematological Tumours ZHANG Wen-Wen, JIANG Fu-Quan, CHEN Zhen-Hua (879)
- Development and Application of RNA-cleaving Deoxyribozyme Catalytic Amplification in MicroRNA Biosensors WANG Shu-Ji, CAO Ru-Fei, DUAN Xiao-Lei (889)
- Regulation of Mitochondrial Metabolic Adaptation in Thermogenic Adipocytes CUI Xuan, SHI Ting, PAN Dong-Ning (897)
- Mechanisms of Microglia Polarization-mediated Neuroinflammation in Vascular Dementia MA Lu-Yao, LI Yan-Jie, QIN He-Wei (907)
- Chlorogenic Acid Modulates Macrophages to Ameliorate Inflammatory Diseases MA Huan-Huan, CHEN Huan, HOU Hong-Wei (914)
- Chromosome Spatial Conformation: Techniques, Applications and Challenges WANG Ren-Jie, HU Meng-Meng, YANG Kun (921)

Research Papers

- METTL3-mediated m⁶A Modification of *PDK1* mRNA Improves Lung Epithelial Cell Proliferation *via* Akt/mTOR Signaling (in English) JIN Ai, LI Meng-Yu, SUN Qing-Zhu (934)
- Novel Immune-related Proteins Identified from *Mytilus coruscus* by Hemocytes Full-length Transcriptome and Serum Differential Proteome XIAO Wen-Hui, WANG Hao-Dong, YANG Zong-Xin, SONG Fang, WANG Yue, HE Jian-Yu, ZHANG Xiao-Lin, YAN Xiao-Jun, LIAO Zhi (947)
- LncRNA 606938 Inhibits Proliferation of Colorectal Cancer Cells WU Hai-Li, DUAN Bing, DU Jin-E, MA Jia-Jing, LI Zhuo-Yu (964)
- Long non-coding RNA PART1 Inhibits Proliferation and Invasion of Laryngeal Squamous Carcinoma Cells (in English) WU Hao, ZHANG Wen-Tao, JIA Feng-Feng, LIU Ming, ZHU Jian-Jun (976)
- Treadmill Exercise Improves Cognitive Dysfunction in Diabetic Mice by Regulating PANoptosis Through the p38 MAPK Signaling Pathway SHENG Ke-Yan, CHEN Yu-Yan, GAO Yuan, ZHANG Bao-Wen, ZHANG Meng, WANG Zhi, KOU Xian-Juan (987)
- Methamphetamine Addiction-induced Apoptosis Is Inhibited by PI3K/AKT-Mediated Silencing of TRIM32 SUN Xiao-Jing, MENG Xian-Yong, YU Hui-Jiao, DONG Xiao-Hua (999)

Techniques and Methods

- iRSC-PseAAC: Predicting Redox-sensitive Cysteine Sites in Proteins Based on Effective Dimension Reduction Algorithm LDA WEI Xin, LIU Chun-Sheng, LV Zhe, LIN Gang, HU Si-Qin, JIA Jian-Hua (1009)

Education and Teaching

- Exploration, Design, and Practice of the Integration of Ideological and Political Elements in “Biological Basis” Course XIA Kai, LI Ye, ZHAO Qian, HUANG Jun (1017)

Cover Image Introduction

- METTL3-mediated m⁶A Modification of *PDK1* mRNA Improves Lung Epithelial Cell Proliferation *via* Akt/mTOR Signaling Cover picture designer JIN Ai