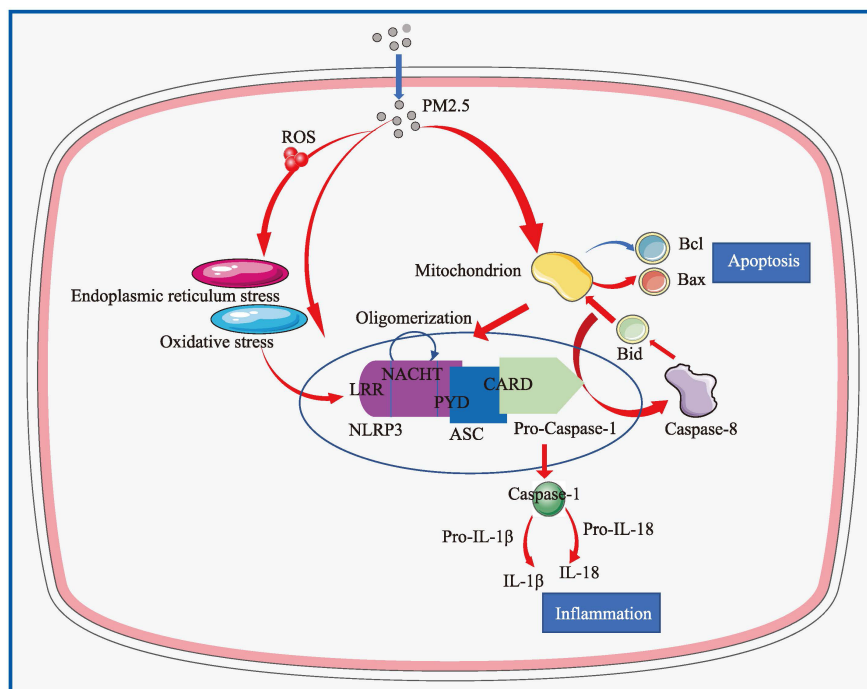


ACTA LABORATORIUM
ANIMALIS SCIENTIA SINICA

中国实验动物学报

ZHONGGUO SHIYAN DONGWU XUEBAO

第31卷 第4期 / Vol.31 No.4



张行行: PM_{2.5}暴露对大鼠心脏功能及NLRP3炎性小体表达的影响

主办单位:

中国实验动物学会

中国医学科学院医学实验动物研究所

ISSN 1005-4847



9 771005 484232

2023

4

数据库收录:

中国科学引文数据库CSCD

中文核心期刊要目总览(北大图书馆)

中国科技论文统计源期刊

世界卫生组织西太平洋地区医学索引

中国核心期刊(遴选)数据库

中国学术期刊综合评价数据库

中国生物医学文献数据库

万方数据资源系统中国数字化期刊群

中国实验动物学报

ACTA LABORATORIUM ANIMALIS SCIENTIA SINICA

月刊 1993年6月创刊

第31卷 第4期 2023年4月30日出版

目次

研究报告

- 肠道湿热泄泻和寒湿泄泻“同病异治”的物质基础研究
..... 陈宝霞,任建明,周轲,李宏雅,牛淳,纪鹏,华永丽,魏彦明(417)
- 巨噬细胞条件性 *Cd226* 基因敲除小鼠的构建及功能分析 秦琪,李娟,杨柳,方亮,陈丽华(428)
- 豚草花粉-屋尘螨混合抗原诱导比格犬哮喘的探索性研究
..... 罗钰龙,陈迪非,陈焕杰,龙海斌,刘经纬,李时悦,苏柱泉(437)
- PM_{2.5} 暴露对大鼠心脏功能及 NLRP3 炎性小体表达的影响
..... 张行行,赵麓,孙欠欠,赵安东,周甜雨,王川,刘继平,王斌(445)
- 基于实时体温监测技术探讨酵母菌、脂多糖、2,4-二硝基酚对小鼠致热作用及呼吸功能的影响
..... 晋一帆,李胜群,孙竹筠,刘孝云,叶冬雪,赵涛,肖敏,容蓉,杨勇(454)
- 流感病毒-金黄色葡萄球菌共感染小鼠模型建立及达菲的干预作用研究
..... 韩雨秀,赵良鑫,杜宝香,孙启慧,杨勇,容蓉(463)
- 树鼩视网膜微血管内皮细胞永生化细胞株的建立及鉴定
..... 霍姝洵,邱敏,王文广,陆彩霞,罕园园,代解杰(471)
- 基于数据挖掘的功能性消化不良动物模型的评价 刘昊,李文静,王馨媛,肖洪玲(478)
- 水浸束缚应激模型在小鼠结肠损伤研究中的探索与实践
..... 徐小英,胡慧美,尹秋雄,曾海舟,江禹鹏,李博艺,钱国强(492)
- Pkd1^{fl}*: Cre 小鼠在自然状态下的发病情况研究 周卫民,刘庆生,吕东颖,陈方明,朱科燕,王德军(501)

研究进展

- 妊娠母体免疫激活动物模型研究进展 邬建飞,蔡端芳,谭友果,蒲建林,向波,王丙龙(507)
- 新水缸潜水模型在斑马鱼焦虑及应激行为研究中的进展* 林艾诺,李亚茜,闫志,李可(514)

斑马鱼脊柱区的发育* 张静,迟彦艳,杨珩,宋雪,张健飞,隋鸿锦(524)

斑马鱼肝纤维化动物模型研究进展* 王洁,冯驰,董武,杨景峰(531)

斑马鱼模型在化妆品功效评价研究中的应用进展*
 郑丹阳,徐梦漪,李淑敏,朱永闯,龚盛昭,蔡丽华,胡翠萍(541)

斑马鱼在放射生物学领域的研究进展* 冯青靓,曹少飞,龙泽宇,韩宝华,李蕴慧,李建国(549)

* 模式动物斑马鱼的基础与应用研究专题

广告 (封二、内插)

<p>主 管 中国科学技术协会</p> <p>主 办 中国实验动物学会 中国医学科学院医学实验动物研究所</p> <p>主 编 秦川</p> <p>编辑部主任 董令赢</p> <p>编 辑 《中国实验动物学报》编辑部</p> <p>出 版 《中国实验动物学报》编辑部</p> <p>发 行 《中国实验动物学报》编辑部 100021,北京市朝阳区潘家园南里5号 电话:010-67779337 传真:010-67770690 E-mail:bjb@cnilas.org http://zgsydw.cnjournals.com/sydwybjyx/ch/index.aspx</p> <p>本期执行主编 赵德明</p> <p>本期专题组织 张晶晶 王 强</p> <p>本期责任编辑 陈 慧 董令赢</p>	<p>照 排 同方知网(北京)技术有限公司</p> <p>印 刷 北京博海升彩色印刷有限公司</p> <p>邮发代号 2-748</p> <p>广告发布登记 京朝工商广登字 20170142 号</p> <p>定 价 每期 50.00 元,全年 600.00 元</p> <p>中国标准连续出版物号 ISSN 1005-4847 CN 11-2986/Q</p> <p>2023 年版权归中国实验动物学会所有</p> <p>本刊已入万方数据网络和中国学术期刊(光盘版)电子杂志、中文生物医学期刊文献数据库、中国实验动物信息网和中国实验动物学会网站等网络文献数据库,如不同意自己论文入网,请在来稿中声明。编辑部支付的稿酬已包含上述网站著作权使用费。</p> <p>本刊电子版出版发行合作伙伴:中邮阅读网:www.183read.com</p>
---	--

ACTA LABORATORIUM ANIMALIS SCIENTIA SINICA

Monthly, Established in June 1993

Volume 31, Number 6, April 30, 2023

CONTENTS

- Material basis of the same disease and different treatment of intestinal damp heat diarrhea and cold damp diarrhea
CHEN Baoxia, REN Jianming, ZHOU Ke, LI Hongya, NIU Chun, JI Peng, HUA Yongli, WEI Yanming(417)
- Construction and functional analysis of macrophage-conditional *Cd226* gene knockout mice
..... *QIN Qi, LI Juan, YANG Liu, FANG Liang, CHEN Lihua*(428)
- Exploratory study of asthma in beagle dogs induced by mixed antigens of ragweed pollen and house dust mite ...
... *LUO Yulong, CHEN Difei, CHEN Huanjie, LONG Haibin, LIU Jingwei, LI Shiyue, SU Zhuquan*(437)
- Effects of PM_{2.5} exposure on cardiac functions and the NLRP3 inflammasome in rats and its mechanism
..... *ZHANG Hanghang,*
ZHAO Lu, SUN Qianqian, ZHAO Andong, ZHOU Tianyu, WANG Chuan, LIU Jiping, WANG Bin(445)
- Effect of yeast, lipopolysaccharide, and 2,4-dinitrophenol on thermogenesis and respiratory functions in mice based
on real-time temperature monitoring technology *JIN Yifan, LI Shengqun,*
SUN Zhuoyun, LIU Xiaoyun, YE Dongxue, ZHAO Tao, XIAO Min, RONG Rong, YANG Yong(454)
- Establishment of a mouse model by influenza virus-*Staphylococcus aureus* co-infection and intervention effect of
Tamiflu *HAN Yuxiu, ZHAO Liangxin, DU Baoxiang, SUN Qihui, YANG Yong, RONG Rong*(463)
- Establishment and characterization of immortalized cell lines of retinal microvascular endothelial cells from tree
shrew *HUO Shurui, QIU Min, WANG Wenguang, LU Caixia, HAN Yuanyuan, DAI Jiejie*(471)
- Analysis of the application characteristics of functional dyspepsia animal models based on data mining
..... *LIU Hao, LI Wenjing, WANG Xinai, XIAO Hongling*(478)
- Exploration and application of water immersion restraint stress model in the study of colonic injury in mice
XU Xiaoying, HU Huimei, YIN Qiuxiong, ZENG Haizhou, JIANG Yupeng, LI Boyi, QIAN Guoqiang(492)
- Pathogenesis of *Pkd1^{fl/fl}*; Cre mice in their natural state
..... *ZHOU Weimin, LIU Qingsheng, LYU Dongying, CHEN Fangming, ZHU Keyan, WANG Dejun*(501)

Research advances in animal models of maternal immune activation during pregnancy
..... *WU Jianfei, CAI Duanfang, TAN Youguo, PU Jianlin, XIANG Bo, WANG Binglong*(507)

Advances in novel tank diving test for the study of anxiety and stress behaviour in zebrafish
..... *LIN Ainuo, LI Yaxi, YAN Zhi, LI Ke*(514)

Development of the spinal region in zebrafish
..... *ZHANG Jing, CHI Yanyan, YANG Heng, SONG Xue, ZHANG Jianfei, SUI Hongjin*(524)

Application and progress of zebrafish in the study of liver fibrosis
..... *WANG Jie, FENG Chi, DONG Wu, YANG Jingfeng*(531)

Progress of the application of zebrafish models in the study of the efficacy of functional cosmetics
ZHENG Danyang, XU Mengyi, LI Shumin, ZHU Yongchuang, GONG Shengzhao, CAI Lihua, HU Cuiping(541)

Research progress of zebrafish in the field of radiobiology
..... *FENG Qingliang, CAO Shaofei, LONG Zeyu, HAN Baohua, LI Yunhui, LI Jianguo*(549)

Responsible Institution

China Association for Science and Technology

Sponsor

Chinese Association for Laboratory Animal Sciences
Institute of Laboratory Animal Sciences,
Chinese Academy of Medical Sciences

Editor-in-Chief

QIN Chuan(秦川)

Managing Editor

DONG Lingying(董令赢)

Editing

Editorial Office of Acta Laboratorium Animalis Scientia Sinica

Publishing

Editorial Office of Acta Laboratorium Animalis Scientia Sinica

Distributor

Editorial Office of Acta Laboratorium Animalis Scientia Sinica
5 Pan Jia Yuan Nan Li, Chaoyang District, Beijing 100021
Tel: 010-67779337
Fax: 010-67770690
E-mail: bjb@cnilas.org
<http://zgswdw.cnjournals.com/sydwbybjyx/ch/index.aspx>

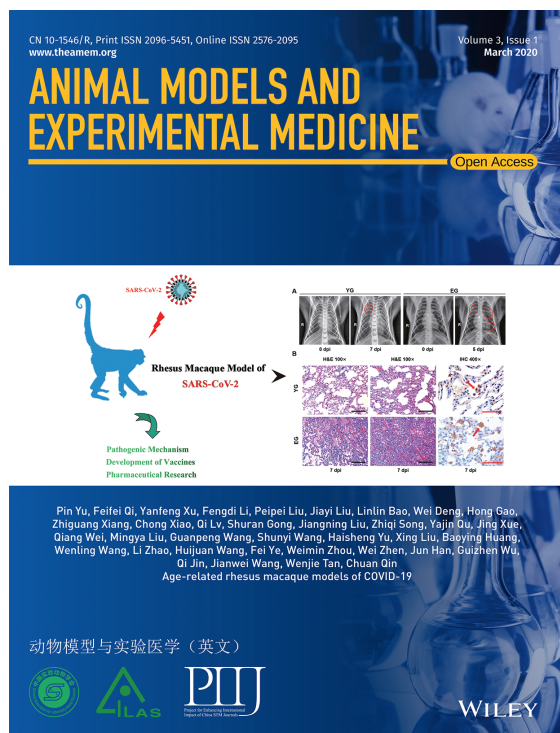
CSSN

ISSN 1005-4847
CN 11-2986/Q

**Copyright 2023 by the Chinese Association for Laboratory
Animal Sciences**

Animal Models and Experimental Medicine

Call for Papers



The *AMEM* will publish:

- Reviews
- Commentaries
- Original Research Articles
- Short Communications
- Guidelines and Consensus
- Research Highlights
- Meeting Reports
- Technical Notes
- AFLAS Focus
- Laboratory Animal Welfare and Ethics
- Letters to the Editor

To submit a manuscript to **AMEM**, please visit:
<https://onlinelibrary.wiley.com/journal/25762095>