
Oral Science and Homeostatic Medicine出版“稳态医学与衰老干预”专刊

作者：writer 来源：科学网

本文原地址：<https://www.iikx.com/news/progress/36757.html>

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。随着全球人口老龄化的不断加剧，探索科学的抗衰老途径已然成为当务之急。为了集中展示我国在稳态医学与衰老干预领域所取得的最新研究成果，Oral Science and Homeostatic Medicine (OSHM) 期刊特别策划并推出了Homeostatic Medicine and Aging Intervention专刊，并荣幸地邀请了中国科学院动物研究所的刘光慧研究员担任专刊主编。刘光慧研究员在衰老生物学、稳态调节及老年疾病干预等领域享有盛誉，凭借其精心策划与组织，本期专刊得以顺利出版。本刊不仅汇聚了国内外在该领域的顶尖研究成果，更为国内外学者搭建了一个高水平的学术交流平台。

ISSN 3079-4447

Volume 1·Issue 1·June 2025

Oral Science and Homeostatic Medicine

SPECIAL ISSUE: Homeostatic Medicine and Aging Intervention

Guest Editor: Guang-Hui Liu



清华大学出版社
Tsinghua University Press

Sciopen

本期专刊共收录了12篇具有代表性的高水平研究论文，内容涵盖广泛，深度挖掘了稳态医学与衰老干预的多个关键方面。具体而言，专刊内容涵盖了氧化还原信号与稳态调节、口腔微生物群、DNA修复与衰老的三元关系、衰老细胞清除与免疫监视、线粒体稳态与干细胞衰老、稳态增强与毒物兴奋效应、慢性神经炎症与突触可塑性、肠道菌群失调与老龄化、表观遗传调控与早衰综合征、细胞衰老与听力损失、克隆性造血与造血干细胞衰老等。

这些研究不仅展示了我国学者在稳态医学与衰老干预领域的最新研究成果，也为国际学术界的同仁提供了宝贵的参考和启示。我们诚挚地邀请广大科研工作者、临床医生及相关领域的专家学者关注本期专刊，共同为推动健康老龄化的科学研究与实践贡献力量。让我们携手前行，在探索抗衰老、促进健康老龄化的道路上不断取得新的突破！敬请期待并广泛关注！

INAUGURAL EDITORIALINAUGURAL EDITORIAL

1. Oral Science and Homeostatic Medicine: pioneering integrated approaches for a healthier future

Songlin Wang, Jian-Kang Zhu

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610018>

EDITORIAL

1. Homeostatic medicine: innovative practices and future prospects of aging intervention

JinghuiLei, Zhejun Ji, Jing Qu

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610021>

REVIEWS

1. Redox signaling and homeostasis

Xiaoyu Li, Zichen Cao, Mo Chen, Songlin Wang

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610003>

2. The Tripartite Nexus Among Oral Microbiome, DNA Repair, and Aging

Kaiyan Wang, Jiayi Li, Yunjia Tang, Zhiyong Mao, Yu Chen

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610004>

3. The role of SIRT2 in homeostatic medicine and aging intervention

Yue Li, Longchuan Han, Yinkun Fu, Yingting Zhang, Zhihui Zou, Jing Luo, Xinxin Tang, Lihong Tian, Yuheng Lu, Ying Huang, Ming He

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610009>

4. Strengthen homeostasis with hormesis

Dawei Shi, Mingxu Chen, Jing-Dong J. Han

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610010>

5. Dynamic interplay of cellular senescence, chronic neuroinflammation and synaptic plasticity in age-related neurodegeneration

Li Ning, Huang Xinzhe, Zou Tiantian, Wu Xinjian, Yang Shuo, Xu Zhenyuan, Dai Jian, Wang Kai, Zhao Jiannong

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6. Gut microbiota dysbiosis: the hidden roles in human aging and age-related diseases

Yu Zhan, Wenting Su, Xiaoqian Liu

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610012>

7. Epigenetic regulation of Hutchinson-Gilford progeria syndrome: from molecular mechanisms to targeted interventions

Xuan Liu, Shuhui Yang, Jiaxiao Jiang, Shasha Dong, Yu Zhang

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610013>

8. Clonal hematopoiesis: linking hematopoietic stem cell aging with age-related diseases

Ziyan Li, Zijie Zhou, Wanling You, Feng Xiao, Zhenyu Ju, Zhiyang Chen

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610016>

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1. Mitochondrial homeostasis in stem cell senescence

Baozhou Peng, Hongbo Zhang

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610006>

2. The effect of cellular senescence on hearing loss

Shuyuan Shen, Yaqing Zhang, Xinmiao Fan, Xiaolong Fu

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610014>

LETTER TTER

1.Senolytic Drugs Dasatinib and Quercetin Promote Skin Papilloma Progression by Eliminating Senescent Cells and Impairing Immune Surveillance

Yue Luo, Xiaoke Xu, Zhiqiang Zhao, Muzhao Xiong, Yuankunyu Lan, Juan Li, Xinyu Chen, Yuanhan Yang, Liang Wang, Mengmeng Niu, Yong Yi, Zhi-Xiong Jim Xiao, Yang Wang

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610005>

COMMENTARYMENTARY

1. IgG: An Emerging Hallmark of Aging

Haoteng Yan, Mengmeng Jiang, Jing Qu, Guang-Hui Liu

Oral Science and Homeostatic Medicine, 2025, <https://doi.org/10.26599/OSHM.2025.9610001>

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