

Special Issue

Novel Insights into Molecular Mechanisms of Pulmonary Pathology

Message from the Guest Editor

The pulmonary system comprises one of the most vital systems in the human body, playing a crucial role in gas exchange and mucosal barrier integrity. Diseases such as pneumonia, chronic obstructive pulmonary disease (COPD), idiopathic pulmonary fibrosis (IPF), asthma, pulmonary fibrosis, and, most importantly, lung cancer can lead to significantly compromised lung function, a shortened lifespan. These diseases stem from various causes, including acute or chronic infections (bacterial, viral, and fungal), exposure to environmental pollutants (such as tobacco smoke, occupational exposures, and air pollution), genetic predispositions, and immune system dysfunctions. The underlying mechanisms of these pulmonary diseases often involve an intricate interplay between genetic, epigenetic, and environmental factors. A comprehensive understanding of the molecular mechanisms of pulmonary pathology is crucial for improving the clinical detection of and developing therapeutic interventions for pulmonary diseases. Join us in advancing the field by shedding light on the molecular intricacies of pulmonary diseases in this Special Issue.

Guest Editor

Dr. Qiaozhen Liu

Massachusetts General Hospital, Center for Regenerative Medicine,
185 Cambridge Street, Boston, MA 02114, USA

Deadline for manuscript submissions

31 December 2024



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/209893

*International Journal of
Molecular Sciences*
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

mdpi.com/journal/

[ijms](https://www.mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



[mdpi.com/journal/](https://mdpi.com/journal/ijms)

ijms



About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Inorganic Chemistry)