Special Issue

Molecular Pathophysiology of Lung Diseases

Message from the Guest Editors

The burden of lung diseases is steadily increasing. Coronavirus disease-19 (COVID-19) and post-COVID-19 syndrome have had devastating effects on health-care systems, and chronic lung diseases are now included in the top three causes of death. Despite considerable progress in the last few years, high-quality mechanistic evidence able to be translated into the molecular endotyping of patients and personalized medicine approaches is still an unmet need for most lung diseases. This Special Issue aims to shed light on the molecular pathophysiology of lung diseases and focus on experimental data with potential for translation into clinical practice, such as molecular biomarkers or targeted therapies.

Dr. Brenda M. Juan-Guardela

Guest Editors

Dr. Theodoros Karampitsakos

Ubben Center and Laboratory for Pulmonary Fibrosis Research, Morsani College of Medicine, University of South Florida, Tampa, FL 33620, USA

Dr. Brenda M. Juan-Guardela

Assistant Professor and Medical Director of Respiratory Care at Tampa General Hospital Pulmonary, Critical Care and Sleep Medicine Morsani College of Medicine, University of South Florida, Tampa, FL 33620, USA

Deadline for manuscript submissions

20 August 2025



International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed



mdpi.com/si/177316

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

mdpi.com/journal/ ijms





International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed





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 (Organic Chemistry)

