

Special Issue

Pulmonary Hypertension: From Molecular Pathophysiology to New Therapeutic Approaches

Message from the Guest Editor

This special issue, "Pulmonary Hypertension: From Molecular Pathophysiology to New Therapeutic Approaches", invites contributions that explore the disease from its molecular roots to innovative treatment strategies. We particularly encourage research focused on molecular-level mechanisms such as endothelial dysfunction, smooth muscle proliferation, inflammation, and metabolic alterations. Emerging technologies in genomics, proteomics, and single-cell analysis are shedding new light on the cellular and molecular dynamics of the pulmonary vasculature, offering promising avenues for discovery. In addition to basic science, we welcome translational and clinical studies that propose novel therapeutic approaches. These may include pharmacologic agents targeting specific signaling pathways, gene- and cell-based therapies, and strategies that personalize treatment based on molecular profiling. Contributions addressing early diagnosis, risk stratification, and biomarkers are also of high interest.

Guest Editor

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Deadline for manuscript submissions

20 August 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/251070

*International Journal of
Molecular Sciences*
Editorial Office
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Message from the Editor-in-Chief

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