

Special Issue

Molecular Research Landscape of Pulmonary Arterial Hypertension

Message from the Guest Editor

Pulmonary arterial hypertension (PAH) is a complex, progressive disease marked by high blood pressure in the lung arteries, often leading to heart failure if left untreated. The molecular research landscape for PAH aims to unravel the underlying mechanisms and identify potential therapeutic targets. Current research efforts focus on developing precision medicine strategies that integrate genetic, epigenetic, and molecular insights to create targeted therapies. This comprehensive approach holds promise for improving patient outcomes and advancing PAH treatment. This Special Issue will spotlight recent advances in molecular PAH research. We encourage investigators to submit original (basic and translational) research articles and reviews to address molecular mechanistic insights, novel diagnostic tools, and new treatments for PAH. Topics of interest include:

- Cellular and molecular mechanisms involved in the pathophysiology of PAH;
- The role of epigenetics in PAH pathogenesis;
- Potential new biomarkers and treatments based on molecular mechanisms;
- New perspectives on direct therapies for right heart failure in PAH based on molecular mechanisms

Guest Editor

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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.

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