

Special Issue

Pulmonary Hypertension: Molecular Diagnosis, Pathogenesis, Biomarkers and Therapies

Message from the Guest Editor

Pulmonary arterial hypertension (PAH) is a rare condition, characterized by high pulmonary artery pressure, leading to right ventricular (RV) dysfunction and potential life-threatening consequences. PAH involves complex mechanisms: vasoconstriction, vascular remodeling, endothelial dysfunction, inflammation, oxidative stress, fibrosis, RV remodeling, metabolic imbalance, and thrombosis. These mechanisms are mediated by several pathways, like nitric oxide and prostacyclin.

This Special Issue aims to delve deeper into molecular diagnosis, pathogenesis, biomarkers and therapies of PH, presenting the main innovations on biomolecular experiments, molecular mechanisms and pathophysiology underlying the development of PH, as well as new pharmacological discoveries to counteract this condition.

Guest Editor

Dr. Michele Correale

Cardiology Unit, University Policlinic Hospital Riuniti, Viale Luigi Pinto 1, 71122 Foggia, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

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