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

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