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Pathophysiology and Treatment of Pulmonary Arterial Hypertension

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Pulmonary arterial hypertension is a rare and devastating condition, characterized by the remodeling and the obstruction of pulmonary microvessels and resulting in increased pulmonary vascular resistance, elevated pulmonary arterial pressures, and right ventricular failure. When PAH occurs in a hereditary context, germline mutations in various genes have been identified. The pathophysiological process of PAH is an intricate process that involves vasoconstriction, vascular remodeling, endothelial dysfunction, inflammation, and thrombosis.

This Special Issue aims to provide comprehensible knowledge regarding recently identified mechanisms of the cellular pathogenesis of pulmonary arterial hypertension, which could open future and innovative treatment options and strategies.

Dr. Yoshihiro Fukumoto
Guest Editor

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Message from the Editor-in-Chief

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