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Role of Ion Channels Signaling Pathways in the Development of Pulmonary Arterial Hypertension

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Deadline for manuscript submissions:
closed (28 February 2022)

Message from the Guest Editor

Dear Colleagues,

Pulmonary arterial hypertension (PAH) is a multifactorial and severe disease. PAH pathobiology involves altered endothelial function, pulmonary arterial tone, and right ventricular function, all together leading to distal pulmonary vessel remodelling and right heart failure. These alterations could be partly explained by dysfunctions of ion channels and transporters activities (K^+, Ca^{2+}, Na^+ and Cl^-). This Special Issue focuses on ion channels' activities in the pulmonary vasculature and right ventricular cardiomyocytes and discusses their pathophysiological contribution to PAH and eventually their therapeutic potential in PAH. We kindly welcome submissions, including original papers and reviews, on this widely discussed topic.

Dr. Fabrice Antigny
Guest Editor

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