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Pathogenic Mechanisms, Diagnosis, and Treatment of Hypertension: Insights and Implications

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Message from the Guest Editors

Dear Colleagues,

More than one billion people worldwide suffer from hypertension, a leading cause of cardiovascular disease and the primary risk factor for cardiovascular mortality. The pathogenesis of hypertension involves an intricate interplay among various systemic regulations within the body, including the renin–angiotensin–aldosterone system (RAAS), vasculature system, renal sodium–fluid regulation system, sympathetic nervous system, metabolic regulation system, immune system, genetic factors, lifestyle factors, and more. This multidimensional perspective highlights the urgency for comprehensive research aimed at unraveling the complexities of hypertension's mechanisms. Efforts in this direction are essential for the development of advanced diagnostic tools and therapeutic interventions that can effectively address this widespread health challenge. In light of these imperative research needs, we cordially invite the submission of research and review papers contributing to our understanding of hypertension's pathogenesis and proposing innovative solutions for its diagnosis and treatment.

Dr. Shengyu Mu
Dr. Sankar Devarajan
Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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