

Special Issue

Molecular Advances in Hypertension

Message from the Guest Editor

Dear colleagues, Constantly elevated blood pressure (arterial hypertension) is the most prevalent risk factor for cardiovascular disease, which every year leads to millions of deaths and disability worldwide, especially due to coronary artery disease and stroke. Blood pressure is a paradigmatic example of a complex trait and consequently hypertension is a clear model of multifactorial disease, since many risk factors contribute to its pathogenesis. This Special Issue will cover at least some of the many “molecular advances in hypertension”, exploring possible influences of genetics and epigenetics components, nutrients, including fatty acids and electrolyte intake, hormonal systems such as the renin angiotensin aldosterone system, the natriuretic peptide network, autonomic nervous system, epoxyeicosatrienoic acids, adipokines, then angiogenic and antiangiogenic factors, and finally the master role of the ageing vascular tree, oxidative stress, the endothelium and the kidney. Even other, less-explored adjuvants of high blood pressure will be included, such as the immune system, the microbiome and the fatty liver.

Guest Editor

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