

Special Issue

Molecular Basis of Vascular Remodeling

Message from the Guest Editor

Cardiovascular diseases are the major cause of morbidity and mortality worldwide. A key pathological hallmark of cardiovascular disease is vascular remodeling, i.e., the ability of the arteries to modify their structure in response to pathological situations. The processes underlying vascular remodeling mainly affect the biology of vascular smooth muscle cells (changes in their contractile, migratory, proliferative, and apoptotic capacity), as well as the content of the extracellular matrix and the maintenance of their elastic properties. Although the processes that accompany the development of vascular remodeling are known, the underlying molecular basis is less understood. For that, knowing new mechanisms that participate in this pathological process is fundamental to understand its development from early stages and would allow having new targets for pharmacological action or new diagnostic biomarkers. In this Special Issue of *IJMS*, we want to offer a platform for high-quality publications on new mechanisms underlying vascular remodeling.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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