



Molecular Basis of Vascular Remodeling

Guest Editor:

Prof. Dr. Ana Belen Garcia-Redondo

Department of Physiology,
Medicine Faculty, University
Autónoma of Madrid, 28029
Madrid, Spain

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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.





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Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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