

## Special Issue

# Role of G-Protein Coupled Receptors in Cardiovascular Diseases

### Message from the Guest Editors

Cardiovascular diseases (CVDs) are a group of disorders of the heart and blood vessels, including coronary heart disease, cerebrovascular disease and thrombosis. Although over the years, significant efforts have been made to prevent or treat these diseases, it still remains one of the leading causes of death worldwide. The inflammatory processes in CVDs are facilitated by a network of circulating immune cells and tissue resident cells, which is orchestrated by various mediators which interact, bind and induce signaling. Over the last years, G protein coupled receptors (GPCRs) emerged as important players in recognizing these mediators, both in steady state and inflammatory processes like CVDs. GPCRs are seven-transmembrane domain receptors and can be subdivided in several sub-classes and subgroups. In order to better comprehend the pathology behind CVDs, it is important to obtain a good overview of the role of GPCRs and the underlying molecular mechanisms. Therefore, the present Special Issue aims to provide an current state-of-the-art overview of the role of GPCRs in CVDs.

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