# **Special Issue**

## Advances in Pathophysiology and Treatment of Atherosclerosis

Message from the Guest Editor

Atherosclerosis is a chronic inflammatory disease of the vessel wall which can lead to myocardial infarction, ischemic cardiomyopathy, stroke, and peripheral arterial disease. It is currently known that dysregulation of the lipid profile and infiltration of monocytes in the intimal layer are the starting points for plaque formation. Consequently, due to disturbed flow, endothelial cells change from the rest phenotype into the proatherogenic phenotype, creating a vicious circle promoting an increase in monocytes' recruitment. When disease progresses, atherosclerotic lesions become characterized by a lipid or necrotic core formed by lipids or necrotic cell deposits, an increased number of inflammatory cells, and a fibrous cap. This Special Issue aims to describe the latest discoveries about atherosclerosis pathophysiology and its therapeutic approach, highlighting its potential and how it could be effective in the future to better manage CVD.

#### **Guest Editor**

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### Deadline for manuscript submissions

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## Message from the Editor-in-Chief

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#### **Editor-in-Chief**

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