

## 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.

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### Guest Editor

Dr. Graziano Riccioni

Intensive Cardiology Care Unit, San Camillo de Lellis Hospital, Manfredonia, FG, Italy

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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*International Journal of  
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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### Message from the Editor-in-Chief

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Prof. Dr. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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