

## Special Issue

# Novel Insights into the Molecular Mechanisms of Atherosclerosis and Vascular Calcification

### Message from the Guest Editor

The aim of this Special Issue titled “*Novel Insights into the Molecular Mechanisms of Atherosclerosis and Vascular Calcification*” is to provide deeper insight into the complex mechanism in the control of cardiovascular disease development, from initiation to progression. This Special Issue will outline recent advances in research on matrix metalloproteinases; inflammation and the immune system in atherosclerosis; lymphatic system and oxidative stress; phenotypic modification of vascular smooth muscle cells; the mechanism of plaque rupture and vascular calcification; involvement of microbiota and sex differences in development, progression and pathophysiological mechanisms; and the importance of genetics and epigenetics. Special emphasis will be given to single-cell transcriptomics for identifying novel markers of vulnerable plaques as well as the mechanism of vascular calcification.

### Guest Editor

Dr. Kapka Miteva

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### Deadline for manuscript submissions

closed (31 December 2023)



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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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### Editor-in-Chief

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