

## Special Issue

# Molecular Advances in the Diagnosis and Drug Therapies of Atherosclerotic Cardiovascular Diseases (ASCVD)

### Message from the Guest Editor

In the context of molecular advances for the diagnosis and therapy of Atherosclerotic Cardiovascular Diseases (ASCVD), the objectives of the present Special Issue are the following: (1) Novel biomarkers and/or gene expression for risk stratification of either the general population or patients with already-established ASCVDs. Potential candidates could be adipokines, cytokines, vascular calcification mediators, Lp(a) and other lipid-related molecules. (2) Novel therapeutic approaches tailoring primary and secondary prevention. As well as the established therapies (e.g., statins), novel, especially gene-oriented, lipid-lowering agents have been developed over the last decade yielding greater benefits for high-risk groups, like those with familial hypercholesterolemia. (3) New drug candidates may be substances used in other, non-cardiovascular diseases, with the potential expansion of their indications to ASCVDs, like immunomodulators used in auto-immune diseases. (4) Medicinal chemistry has introduced technological and conceptual innovations with a wide potential application in ASCVDs. Liver-directed gene transfer of the LDLR or vaccines targeting key proteins are some of them.

### Guest Editor

Dr. Nikolaos Kadooglou

Medical School, University of Cyprus, Nicosia CY2024, Cyprus

### Deadline for manuscript submissions

closed (20 May 2025)



## International Journal of Molecular Sciences

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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

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

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

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