



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

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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.





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Message from the Editor-in-Chief

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