

Special Issue

Next Generation Sequencing: Applications for Cardiovascular Disease

Message from the Guest Editor

In the past few decades, the development of next-generation sequencing (NGS) technologies has facilitated personalized cardiovascular care. The multi-omics data such as genome, epigenome, transcriptome, proteome, and metabolome have provided important information on risk loci, molecular mechanisms, and drug targets of cardiovascular diseases, and have the potential to improve clinical management of patients. This Special Issue aims to highlight the application of NGS technology in both Mendelian and complex cardiovascular diseases, such as structural heart diseases, cardiomyopathies, channelopathies, coronary artery diseases, etc. We welcome original research and review articles on any topics associated with NGS' application to cardiovascular diseases. Some relevant topics include, but are not limited to:

- Identification of risk loci in cardiovascular diseases using NGS
- Integration of multi-omics data to reveal etiologies of cardiovascular diseases
- Application of NGS in drug discovery and clinical management of cardiovascular diseases
- Challenges and utilities of applying NGS in cardiovascular diseases in the clinical setting

Guest Editor

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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