

Special Issue

Cardiovascular Disease Risk Stratification in the Era of Machine Learning and Personalized Medicine

Message from the Guest Editor

Machine learning (ML) has been promisingly applied in cardiovascular medicine in recent years, both for disease diagnosis and in prognosis prediction. Compared with traditional statistical techniques, ML algorithms can analyze variables by performing greater numbers of mathematical operations and better define complex relationships between risk factors and outcomes of interest, strengthening the predictive process. The extraction and integration of data from various possible sources (clinical measurements and observations, biological -omics, experimental results, wearable devices) make cardiovascular disease particularly suitable for the application of ML techniques. However, at present, the lack of generalizability, reproducibility, and standardized methodologies for developing and validating ML-based prognostic models reduces the quality of the available evidence and limits their implementation in clinical practice.

The Special Issue aims to collect original research articles and reviews that will provide updates and future perspectives regarding the application and implementation of ML to the risk stratification of patients suffering from cardiovascular disease.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine (JPM), ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

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