



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

Guest Editor:

### Dr. Franca Dipaola

1. Internal Medicine, Humanitas Clinical and Research Center-IRCCS, Rozzano, 20089 Milan, Italy
2. Department of Biomedical Sciences, Humanitas University, Pieve Emanuele, 20090 Milan, Italy

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### 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.





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## Editor-in-Chief

### Prof. Dr. David Alan Rizzieri

1. Novant Health Cancer  
Institute, Winston-Salem, NC  
27103, USA  
2. Division of Hematologic  
Malignancies and Cellular  
Therapy, Duke University,  
Durham, NC 27710, USA

## Message from the Editor-in-Chief

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*Journal of Personalized Medicine*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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