

Special Issue

Laboratory Diagnosis of Cardiovascular Diseases

Message from the Guest Editor

Laboratory diagnostics is becoming increasingly central to the prevention, early screening, precise diagnosis, and overall management of cardiovascular diseases. In the realm of biomarkers, established indicators such as high-sensitivity troponin and BNP/NT-proBNP are extensively utilized in clinical practice. Concurrently, technological advances in proteomics and metabolomics are facilitating the continuous discovery of novel biomarkers, thereby enhancing the depth and breadth of diagnostic possibilities as well as pathophysiology. From a technological perspective, innovations in high-sensitivity assays, point-of-care testing (POCT), microfluidics, and refined biopsy methods have collectively driven substantial improvements in diagnostic performance. Furthermore, through the analysis and integration of multidimensional and large-scale datasets, artificial intelligence and bioinformatics are paving the way for a new era of precision and intelligence in cardiovascular laboratory medicine. This Special Issue aims to provide readers with the most recent updates on the laboratory diagnosis of cardiovascular diseases.

Guest Editor

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