

## Special Issue

# Advances in Diagnostic Management of Cardiovascular Diseases

### Message from the Guest Editors

Cardiovascular diseases remain the leading cause of mortality worldwide, yet remarkable progress in diagnostic imaging, biomarker discovery, and computational medicine is reshaping how clinicians identify, stratify, and monitor cardiovascular risk. This Special Issue will highlight emerging advances in diagnostic strategies to enhance early detection, refine prognostic assessment, and support personalized clinical decision making across the full spectrum of cardiovascular conditions. The landscape of cardiovascular diagnostics is evolving rapidly. Novel applications of cardiac CT, MRI, and hybrid imaging now permit multiparametric assessment of coronary, myocardial, and vascular pathology in a single session, improving both accuracy and efficiency. AI and machine learning are further transforming cardiovascular diagnostics, from enhanced image reconstruction to the automated detection of complex patterns that are not visible to the human eye. For this Special Issue, we welcome original research articles, reviews, and technical reports addressing these themes to provide an up-to-date overview of current advances and future directions in cardiovascular diagnostic management.

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### Guest Editors

Prof. Dr. Carlo Gaudio  
Dr. Luigi Spadafora  
Dr. Marco Bernardi

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### Deadline for manuscript submissions

30 November 2026



## Life

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### Message from the Editor-in-Chief

*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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### Editor-in-Chief

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