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Biomolecules for Translational Approaches in Cardiology

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Message from the Guest Editors

Over the last few years, biomarker research has improved our knowledge about the pathomechanisms and risk assessment in the cardiovascular field. Increasing our understanding of the multifactorial, complex underpinnings of cardiovascular diseases promises to have a global impact on the promotion of health. Valuable insights have already been acquired from several genomic and genetic studies and novel molecular biomarkers have been associated with cardiovascular risk. Translational approaches into a full understanding of the underlying mechanisms of biomarkers and into their clinical relevance are currently ongoing. The systematic integration of multidimensional biomarker datasets, such as genomics, transcriptomics and proteomics evolves as the next challenge, including molecular findings of interactions between biomolecules as well as

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