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Genetics and Genomics of Coronary Artery Disease

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Message from the Guest Editor

The recent past has witnessed the role of next-generation sequencing technologies expand to dissecting genomic data in order to identify potential novel therapeutic targets and early diagnostic markers in the field of coronary artery disease (CAD). Apart from establishing findings in predominantly European cohorts, new studies have come up discovering novel markers in non-European cohorts as well. This would not have been possible without technological advancement, improved statistical methods, and stratification of the samples based on ethnicity. Since there is a paradigm shift from single gene-based approaches to polygenic contributions in understanding the etiology of CAD, the role of advanced statistical and machine-learning methods will be indispensable in delineating this complex trait. This Issue calls for novel research works in CAD using genetic, genomic, and/or multi-omics approaches in combination with phenotypic data coming from electronic health records for their potential role in functional genomics, mechanistic insights, and translational potential.



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Special Issue



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Message from the Editor-in-Chief

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