

Special Issue

Genetic and Genomic Insights into Cardiovascular Disease

Message from the Guest Editors

This Special Issue is designed to publish a series of articles that advance our mechanistic understanding of the role of genetic variants and epigenetic modifications that contribute to cardiovascular disease (CVD) pathogenesis. The reason for this is three-fold: first, the wealth of genetic data that has emerged from genome-wide association studies that have identified variants associated with the development of CVD risk factors, and the development of in vitro and in vivo models to determine their functionality at the individual cell level, in specific genetic settings, and in a temporal and spatial manner; second, the increasing availability of large-scale single-cell epigenomic data and RNA sequencing datasets for analysing gene expression profiles in multiple cell populations that populate healthy and atherosclerotic vascular tissue; third, the significant advancements in computational methodologies to evaluate the cellular connections between CVD risk phenotypes, atheroma, CVD progression and regression. In this Special Issue, original research articles and reviews are welcome.

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Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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