

Special Issue

Cardiovascular Disease: From Genetics to Therapeutics

Message from the Guest Editor

Cardiovascular disease remains the leading cause of death worldwide, and there is a great unmet need for novel classes of therapeutics. The challenge for the field, then, is to find ways to accelerate variant-to-function discovery for cardiovascular disease. This will require the development of better computational models to predict variant functions and higher throughput approaches to link variants to molecular and cellular phenotypes, together with an intensified effort to discover disease mechanisms for individual causal genes and pathways and to develop new therapeutics to target them. This Special Issue cordially invites novel studies and review articles that address all aspects of genetics-to-therapeutics discovery for cardiovascular disease, including new genetic analyses/meta-analyses, predictive modeling, high-throughput variant-to-function approaches, single cell studies that identify pathogenic cell types or transcriptomic signatures, dissection of variant-to-disease mechanisms at individual loci, and efforts to develop new therapeutics targeting known or novel causal genes and pathways.

Guest Editor

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Deadline for manuscript submissions

closed (25 November 2024)

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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