Special Issue

Genetic Basis and Molecular Mechanisms of Heart Failure

Message from the Guest Editors

A wealth of evidence has demonstrated the relevance of gene mutations and molecular pathways in the development of heart failure, although their contribution is heterogenous and complex. Indeed, the role of genetics ranges from monogenic syndromes caused by single underlying pathogenetic mutations, to complex traits determined by the combination of multiple genetic or epigenetic individually low-penetrance loci with environmental triggers. The risk and course of heart failure depends on underlying genomic variants and mutations. As a consequence, genetic testing is starting to be applied in clinical routine diagnostics to evaluate risk, to predict prognosis and to guide treatment. This Special Issue of the *International Journal of Molecular* Sciences focuses on the genetic basis and molecular mechanism of heart failure, and welcomes both original research articles and review papers.

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Deadline for manuscript submissions

closed (31 October 2024)



International Journal of Molecular Sciences

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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