

## Special Issue

# Positive and Negative Determinants of Ischaemic Injury—Co-morbidities and Cardioprotection 2020

### Message from the Guest Editor

Ischaemic heart disease and associated heart attack, together with subsequent heart failure are the lead causes of death worldwide, presenting a profound healthcare burden. There is thus a great need for adjunctive protective therapy that can be applied prior to, with or after reperfusion to improve both short and longer term outcomes from AMI, and extend the effective window for reperfusion. Thus far, no adjunctive treatment has been developed that is effective in the context of the co-morbidities associated with ischaemic heart disease. Processes of, and outcomes from cardiac ischaemia-reperfusion injury are influenced by multiple factors. The long-running and unmet challenge of cardioprotection can only be met through consideration of these critical positive and negative determinants of outcome. This Special Issue will focus on novel, emerging paradigms from the study (original research articles or reviews) around the current understanding of the effects of comorbid conditions on myocardial ischaemia-reperfusion processes, the influences on cardioprotective signalling and outcomes, and novel strategies for protecting the heart from accidental and surgical I-R.

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 April 2021)



## International Journal of Molecular Sciences

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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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### Editor-in-Chief

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