

## Special Issue

# Endothelial Dysfunction: Molecular Mechanisms and Therapeutic Strategies

### Message from the Guest Editor

It is essential for tissue health and function to have a functional endothelium and vasculature. Dysfunctional endothelial cells lose their ability to maintain homeostasis, leading to deleterious consequences for both vessels and the organs they supply. Endothelial dysfunction may occur as a consequence, as well as contribute to the pathogenesis of many chronic degenerative diseases, including atherosclerosis, hypertension, and type II diabetes. Endothelial dysfunction is a complex process involving many signaling pathways depending on organ, vessel size, and sex, among other factors. The elucidation of the molecular mechanisms involved in endothelial dysfunction is crucial for the development of efficient therapies to improve endothelial function and vascular homeostasis in disease. Contributions to this Special Issue should aim to provide insight into the mechanisms through which endothelial cell dysfunction contributes to the pathogenesis of vascular complications and diseases. A better understanding of these mechanisms would provide an opportunity to prevent and treat vascular disorders triggered and advanced by endothelial dysfunction.

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### Guest Editor

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### Deadline for manuscript submissions

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## 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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