



an Open Access Journal by MDPI

Vascular Endothelial Cells

Guest Editors:

Prof. Dr. Toshiyuki Kaji

Department of Environmental
Health, Faculty of
Pharmaceutical Sciences, Tokyo
University of Science, Noda 278-
8510, Japan

Prof. Dr. Yasuyuki Fujiwara

Department of Environmental
Health, School of Pharmacy,
Tokyo University of Pharmacy
and Life Sciences, Hachioji 192-
0392, Japan

Deadline for manuscript
submissions:

closed (30 September 2018)

Message from the Guest Editors

Vascular endothelial cells cover the luminal surface of blood vessels and regulate the blood coagulation-fibrinolytic system and vascular tone, while also serving as a barrier between the blood and the subendothelial matrix. To accomplish these functions, the cells synthesize and secrete various substances, including von Willebrand factor, tissue factor, coagulation factor VIII, prostacyclin, thrombomodulin, heparan sulfate/dermatan sulfate proteoglycans, plasminogen activators, plasminogen activator inhibitor-1, endothelin, and nitric oxide.

Our Special Issue “Vascular Endothelial Cells” will cover a selection of articles from the fields of biology, physiology, pathology, pharmacology, and toxicology that pertain to vascular endothelial cells and their functions. Topics of this Special Issue include, but are not limited to:

- vascular endothelial cell
- blood coagulation-fibrinolytic system
- vascular disease
- angiogenesis
- vascular permeability
- inflammation
- vascular toxicity



mdpi.com/si/11473

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI