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Molecular and Cellular Mechanisms of Vascular and Tissue Formation

Guest Editors:

Dr. Ayman Al Haj Zen

College of Health and Life Sciences, Hamad Bin Khalifa University, Education City, Doha, Oatar

Dr. Andrea Caporali

University/British Heart Foundation Centre for Cardiovascular Science, The University of Edinburgh, Edinburgh, UK

Deadline for manuscript submissions:

closed (10 December 2022)

Message from the Guest Editors

New blood vessels can also be critical to coordinating tissue repair or regeneration and preventing the deregulated, disease-promoting process. Abnormal morphogenesis of new blood vessels involves various pathophysiological processes such as cancer, ischemic vascular diseases, diabetes and Alzheimer's disease. A better understanding of the molecular basis for vascular network morphogenesis will impact the development of new therapeutic strategies to target the microvasculature and angiogenesis in such diseases.

This Special Issue welcomes original research articles and review papers on all molecular and cellular aspects of vascular formation and its interrelation with tissue formation/repair.

Potential topics include, but are not limited to, the following:

Autocrine and paracrine signaling in vascular development Molecular mechanisms of vascular lumen formation Cell signaling paracrine in post-natal angiogenesis Tumor microenvironment and angiogenesis Ischemia-induced angiogenesis Vascular malformations of the brain Neurovascular diseases Molecular mechanisms of angiogenesis in exercise













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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

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