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Role of Endothelial Cells in Cardiovascular Disease

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Message from the Guest Editors

Dear Colleagues,

Endothelial cells' function plays a pivotal role in cardiovascular system homeostasis through the regulation of several blood vessels' functions such as vasodilation, inflammation and thrombosis. Cardiovascular diseases represent a leading cause of mortality and morbidity, and endothelial dysfunction contributes to their pathogenesis. Thus, increasing our knowledge regarding endothelial cells' pathophysiology in the setting of cardiovascular diseases is strongly advised in order to prevent and treat the most important cardiac and vascular pathologies such as hypertension, diabetes, intimal hyperplasia, venous and arterial thrombosis, and heart diseases.

This Special Issue welcomes basic and clinical research, covering original articles and reviews on:

- Endothelial cells' physiology and pathophysiology;
- Endothelial cells' role in the pathogenesis of acute and chronic cardiovascular diseases;
- The role of acute and chronic systemic diseases in the genesis of endothelial dysfunction;
- New pharmacological approaches for endothelial dysfunction;
- Endothelial progenitor cells and cardiovascular regenerative medicine.



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Message from the Editor-in-Chief

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