



Molecular Studies on Tissue-Specific Endothelial Cells in Development, Homeostasis and Disease

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Message from the Guest Editor

Dear Colleagues,

Endothelial cells (ECs) are not just passive conduits for delivering blood. Rather, ECs also play tissue-specific functions by providing highly specialized sets of angiocrine factors whose expression can be controlled by cell-intrinsic regulatory networks as well as by a variety of cell-extrinsic biophysical cues found at different body locations. Angiocrine factors modulate organ development, homeostasis, metabolism and regeneration, and their alteration could be directly involved in the pathogenesis of multiple conditions. This Special Issue of *International Journal of Molecular Sciences* will focus on the regulation and functional roles of tissue-specific ECs and angiocrine factors in physiological and pathological contexts, and the therapeutic potential of tailoring ECs to improve human health.

Dr. Ignacio Benedicto

Guest Editor





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Message from the Editor-in-Chief

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