

# Endothelial Biomedicine

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The first book to systematically integrate knowledge about the endothelium from different organ-specific disciplines. The endothelium, the cell layer that forms the inner lining of blood vessels, is a spatially distributed system that extends to all areas of the human body. Clinical and basic research demonstrates that the endothelium plays a crucial role in mediating homeostasis and is involved in virtually every disease, either as a primary determinant of pathophysiology or as a victim of collateral damage. The endothelium has remarkable, though largely untapped, diagnostic and therapeutic potential. This volume bridges the bench-to-bedside gap in endothelial biomedicine, advancing research and development and improving human health. The book is the first to systematically integrate knowledge about the endothelium from different organ-specific disciplines, including neurology, pulmonary, cardiology, gastroenterology, rheumatology, infectious disease, hematology-oncology, nephrology, and dermatology. It's interdisciplinary approach, which draws on expertise from such diverse fields as evolutionary biology, comparative biology, molecular and cell biology, mathematical modeling and complexity theory, translational research, and clinical medicine. EAN/ISBN : 9780511332166 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Aird, William C.

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