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Nota di contenuto	The endothelial cytoskeleton : multifunctional role of the endothelial actomyosin cytoskeleton / Yuka Shimizu and Joe G.N. Garcia -- Emerging themes on pulmonary microvascular endothelial cell : microtubules and microtubule associated proteins / Cristiaan D. Ochoa, Ron Balczon, and Troy Stevens -- Endothelial actin cytoskeleton and angiogenesis / Sadiqa K. Quadri -- Adherens junctions and endothelial cytoskeleton / Younes Smani and Tarik Smani-Hajami -- Mechanical force transmission via the cytoskeleton in vascular endothelial cells / Bori Mazzag ... [et al.] -- The functional role of the microtubule/microfilament cytoskeleton in the regulation of pulmonary vascular endothelial barrier / Irina B. Alieva and Alexander D. Verin -- Membrane-cytoskeleton interactions and control of vesicle trafficking in endothelial cells / Felicia Antohe -- Cell-matrix adhesion proteins in the regulation of endothelial permeability / Jurjan Aman, Geerten P. van Nieuw Amerongen, and Victor W.M. van Hinsbergh -- Endothelial cells and the regulation of platelet function / P.C. Redondo ... [et al.].
Sommario/riassunto	This book presents a concise synthesis of the current knowledge and recent advances in the structure, organization and functional role of the cytoskeleton in endothelial cells. Particular attention has been given to the different features of the regulation of vascular function mediated

by the endothelium. Since cytoskeleton is a scaffolding element that regulates the architecture of the cell and additionally controls several fundamental aspects of intracellular signaling, this book will serve as a comprehensive resource for those interested in these fascinating biological processes associated
