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Titolo	Endothelial cell plasticity in the normal and injured central nervous system / / editors, Esperanza Melendez Herrera, Profesor e Investigador Titular A, Laboratorio de Eco-fisiologia Animal Departamento de Zoologia Instituto de Investigaciones So
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Descrizione fisica	1 online resource (268 p.)
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Soggetti	Central nervous system
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover; Preface; Contents; Chapter 1: Early Development of the Vascular System Supplying the Brain; Chapter 2: Endothelial Cell Heterogeneity and Maintenance of Neurogenic Niches During Development and Adult Life; Chapter 3: Neuronal-Glial-Endothelial Interactions Regulate Central Nervous System Homeostasis; Chapter 4: Dynamic Control of Neural Reproductive Centers by Endothelial Cells; Chapter 5: Alterations of Cerebral Endothelial Cells in Drug-Resistant Epilepsy: Drug Transporters; Chapter 6: Angiogenesis During Tumor Proliferation and Cell Invasion Chapter 7: Microvascular Dysfunction after Spinal Cord InjuryChapter 8: Blood Vessel Remodeling After Stroke; Chapter 9: Impairment of Energy Metabolism and Vascular Function in Alzheimer's Disease; Color Plate Section
Sommario/riassunto	This book is designed to highlight the importance of endothelial cells as key players in the functioning of the nervous system under both normal and pathological conditions. The book demonstrates that endothelial cells are an essential and dynamic cell population in the central nervous system, with multiple and complex roles, not only in

the maintenance of homeostasis, but also in the regulation of important processes. These include neurogenesis, neural control of reproduction, aging, neurodegeneration, and tumor invasion. The book exhaustively reviews the newest findings in this exciting new