

1. Record Nr.	UNINA9911100105003321
Titolo	Morphogenesis of endothelium / / edited by Werner Risau and Gabor M. Rubanyi
Pubbl/distr/stampa	Amsterdam, The Netherlands, : Harwood Academic, c2000
ISBN	9786610073368 9781040215777 1040215777 9780429179440 0429179448 9781482284119 1482284111 9781280073366 1280073365 9780203304358 0203304357
Edizione	[1st ed.]
Descrizione fisica	1 online resource (312 p.)
Collana	Endothelial cell research series ; ; v. 8
Altri autori (Persone)	RisauWerner <1953-1998.> RubanyiGabor M. <1947->
Disciplina	573.18 611.0187
Soggetti	Vascular endothelium Morphogenesis Blood-vessels - Growth
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Book Cover; Title; Contents; Tribute; Contributors; Structural, Biochemical and Functional Differentiation of the Vascular Endothelium; Endothelial Fenestrae and Fenestral Diaphragms; Adhesion Molecules in Endothelial Cells and their Role in Vascular Morphogenesis; Development of the Vascular Endothelium in Avian Embryos; Development of the Heart, Large Vessels and Coronary Vasculature; The Development of the Retinal Vasculature; Development of the Blood-Brain Barrier; Development and Growth of the Pulmonary

Microvasculature; Development of the Kidney Vascular System
Development of the Liver Vascular SystemDevelopment of the Limb Bud
Vascular System; Development of the Vascular System in Skeletal
Muscle; Development of the Vascular System in the Corpus Luteum;
Development of the Vascular System in the Placenta; The Development
of the Lymph Node Vasculature; Index

Sommario/riassunto

The cardiovascular system is the first functional organ system to develop in the vertebrate embryo. Embryonic growth and differentiation essentially depend on transport of nutrients and waste through the early vasculature, and certain events in morphogenesis are thought to be influenced by the hemodynamic forces of the beating heart. The vasculature not only serves as a 'nutrient and waste pipeline' but is also a major communication system between distant organs and tissues. The vascular endothelial cell mediates vascular growth, permeability, integrity and interactions with blood cells. In mo
