

1. Record Nr.	UNINA9910755082103321
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Titolo	Cardiovascular Neuroendocrinology // edited by Gina L. C. Yosten, J. Thomas Cunningham
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-39995-1
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (241 pages)
Collana	Masterclass in Neuroendocrinology, , 2662-2076 ; ; 14
Altri autori (Persone)	CunninghamJ. Thomas
Disciplina	612.1
Soggetti	Neurophysiology Neurons Cardiovascular system Physiology Cardiology Endocrinology Cellular Neuroscience Cardiovascular Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I. Neuroendocrine Systems and Cardiovascular Function -- Chapter 1. Neural Control of Cardiovascular Function: Role of Osmosensation -- Chapter 2. Central Neuroendocrine Control of the Cardiovascular System -- Chapter 3. Neuroendocrine Control of the Vascular System -- Chapter 4. Sex Differences in Vascular Function -- Part II. Neuroendocrinology of Cardiovascular Dysfunction and Aging -- Chapter 5. Cardiovascular Neuroendocrinology of Pregnancy -- Chapter 6. Cerebrovascular Function in Aging -- Chapter 7. Cardiovascular Responses to Exercise in Diabetes -- Chapter 8. Interactions of Stress, Psychology, and Cardiovascular Function -- Chapter 9. Neuroendocrinology Therapeutic Pathways for Cardiovascular Disease.
Sommario/riassunto	The cardiovascular system and the neuroendocrine system are integrated at multiple levels. This integration is key to normal physiological function. Further, it adapts to accommodate changes related to aging, the organism's reproductive state, or physiological

challenges. This type of adaptability, or plasticity, also can contribute to pathophysiology when these systems are stressed. This volume discusses how neuroendocrine systems influence cardiovascular function in health and disease. The first section provides detailed background information on neuronal and neuroendocrine control of cardiovascular function. This is followed by chapters highlighting the cardiovascular role of neuroendocrine hormones in regulating physiological states, such as pregnancy, and the effects of biological sex on vascular function. The influence of exercise, stress, psychology, and aging on cardiovascular function and dysfunction, and the possibility of therapeutically targeting the neuroendocrine axis for the treatment of cardiovascular disease are discussed in the final section of the book. This book is of relevance for students, trainees and established researchers alike who are seeking for an overview on the neuroendocrine control of cardiovascular function and disease. This is the fourteenth volume in the International Neuroendocrine Federation (INF) Masterclass in Neuroendocrinology series, which aims to illustrate the highest standards and encourage the use of the latest technologies in basic and clinical research and hopes to provide inspiration for further exploration into the exciting field of neuroendocrinology.
