



## Advances in brain vasopressin

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Monografía

Advances in Brain Vasopressin elucidates the functions of the regulatory peptide vasopressin in the nervous system, and reviews the current status of this field at different levels. It deals with the cell biology and anatomy of the neurons that produce vasopressin in the brain, and provides an overview on the receptors of vasopressin and the signal transduction pathways that they activate, including the cellular responses that are triggered by vasopressin. Reviews are presented on the modulation of behavior induced by vasopressin in a number of different contexts, such as sex-linked and

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**Contenido:** Front Cover; Advances in Brain Vasopressin; Copyright Page; Contents; List of Contributors; Preface; Section 1: Neuroanatomy of the brain vasopressin systems; Chapter 1.1. Anatomy and function of extrahypothalamic vasopressin systems in the brain; Chapter 1.2. Functions of the perikaryon and dendrites in magnocellular vasopressin-secreting neurons: New insights from ultrastructural studies; Chapter 1.3. Functional neuroanatomy of the parvocellular vasopressinergic system: Transcriptional responses to stress and glucocorticoid feedback Chapter 1.4. Vasopressin binding sites in the central nervous system: Distribution and regulationSection 2: Cellular properties of vasopressinergic neurons; 2.1 Electrophysiological properties; Chapter 2.1.1. Osmoregulation of vasopressin neurons: A synergy of intrinsic and synaptic processes; Chapter 2.1.2. Neurophysiology of magnocellular neuroendocrine cells: Recent advances; Chapter 2.1.3. Phenotypic and state-

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