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Projections; Chapter 5. Spinal Cord Cytoarchitecture; Lamina I; Lamina II; Lamina III; Lamina IV; Lamina V; Lamina VI; Lamina VII; Lamina VIII; Lamina IX; Area X; Lateral Spinal Nucleus; Lateral Cervical Nucleus; Chapter 6. Substantia Gelatinosa of the Spinal Cord; Definition; Characteristics of Neurons of the Superficial Laminae of the Spinal Cord; Ultrastructure of the Spinal Dorsal Horn; Neurochemistry of the Dorsal Horn; Final Remarks
Chapter 7. Ascending and Descending Pathways in the Spinal Cord Ascending Pathways; Descending Pathways; Section III: Brainstem and Cerebellum; Chapter 8. Precerebellar Nuclei and Red Nucleus; Pontine Nuclei; Lateral Reticular Nucleus; Inferior Olivary Nucleus; Red Nucleus; Chapter 9. Cerebellum; The Gross Anatomy of the Cerebellum; The Cerebellar Nuclei and Their Efferent Pathways; Longitudinal, Zonal Organization of Purkinje Cells in the Cerebellar Cortex: Chemoarchitecture and Connections; Afferent Mossy Fiber Systems Terminations of Mossy Fiber Systems in Different Regions of the Cerebellum Chapter 10. Periaqueductal Gray; PAG Columnar Organization; Anatomical Studies; The PAG and Parallel Circuits for Emotional Coping; Conclusions; Chapter 11. Locus Coeruleus, A5 and A7 Noradrenergic Cell Groups; Cytoarchitecture; Afferents to the Nucleus Locus Coeruleus; The Pericoerulear Region: The "Extranuclear LC"; Efferent Projections of LC Neurons; Other Metencephalic Noradrenergic Neurons (A5 and A7 Cell Groups); Conclusions; Chapter 12. Oromotor Nuclei; Motor Trigeminal Nucleus; Facial Nucleus Hypoglossal Nucleus

Sommario/riassunto

This third edition of the standard reference on the nervous system of the rat is a complete and updated revision of the 1994 second edition. All chapters have been extensively updated, and new chapters added covering early segmentation, growth factors, and glia. The book is now aligned with the data available in the Rat Brain in Stereotaxic Coordinates, making it an excellent companion to this bestselling atlas. Physiological data, functional concepts, and correlates to human anatomy and function round out the new edition.*Designed to be used in conjunction with the bestselling
