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Chapter 12: Developmental Profile of Newly Generated Granule Cells in the Adult Rodent Dentate GyrusChapter 13: Functional Architecture of Directional Tuning in the Primate Motor Cortex During 3D Reaching; Chapter 14: Neural Codes for Perceptual Decisions; Chapter 15: Human Neural Stem Cell-Mediated Repair of the Contused Spinal Cord: Timing the Microenvironment; Chapter 16: Spinal Cord Injury Pathology Differs with Injury Type, Age, and Exercise; Index; A; B; C; D; E; F; G; H; I; J; L; M; N; O; P; R; S; T; U; V; W

Sommario/riassunto

This book provides current information about the three areas mentioned in the title: Neuronal Migration and Development, Degenerative Brain Diseases, and Neural Plasticity and Regeneration. The chapters about brain development examine the cellular and molecular mechanisms by which neurons are generated from the ventricular zone in the forebrain and migrate to their destinations in the cerebral cortex. This description of cortical development also includes a discussions of the Cajal-Retzius cell. Another chapter provides insight about the development of another forebrain region, the hypothalam
