

1. Record Nr.	UNINA9910457900903321
Titolo	The Human nervous system // Edited by Juergen K. Mai, George Paxinos
Pubbl/distr/stampa	Burlington, : Elsevier Science, 2011
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (1429 p.)
Disciplina	611.8
Soggetti	Human anatomy Nervous system -- Anatomy & histology Nervous system Neuroanatomy Neuroanatomy - Histology Musculoskeletal and Neural Physiological Phenomena Anatomy Phenomena and Processes Nervous System Physiological Phenomena Nervous System Human Anatomy & Physiology Health & Biological Sciences Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	CONTENTS; Contributors; Preface; I. EVOLUTION AND DEVELOPMENT; 1. Brain Evolution; 2. Development of the Peripheral NervousSystem; 3. Fetal Development of the Central NervousSystem; II. PERIPHERAL NERVOUS SYSTEM AND SPINAL CORD; 4. Peripheral Nervous System Topics; 5. Peripheral Autonomic Pathways; 6. Spinal Cord: Regional Anatomy, Cytoarchitectureand Chemoarchitecture; 7. Spinal Cord: Connections; III. BRAINSTEM AND CEREBELLUM; 8. Organization of Brainstem Nuclei; 9. Reticular Formation: Eye Movements,Gaze and Blinks; 10. Periaqueductal Gray; 11. Raphe Nuclei; 12. Locus Coeruleus 13. Substantia Nigra, Ventral Tegmental Area,and Retrorubral Fields14.

Brainstem Cholinergic Systems; 15. Cerebellum and Precerebellar Nuclei; IV. DIENCEPHALON, BASAL GANGLIA, BASAL FOREBRAIN AND AMYGDALA; 16. Hypothalamus; 17. Hypophysis; 18. Circumventricular Organs; 19. Thalamus; 20. The Basal Ganglia; 21. Sex Differences in the Forebrain; 22. Amygdala; V. CORTEX; 23. Architecture of the Cerebral Cortex; 24. Hippocampal Formation; 25. Cingulate Cortex; 26. The Frontal Cortex; 27. Motor Cortex; 28. Posterior Parietal Cortex: Multimodal Association Cortex; VI. SYSTEMS  
29. Lower Brainstem Regulation of Visceral, Cardiovascular, and Respiratory Function  
30. Somatosensory System; 31. Trigeminal Sensory System; 32. Pain System; 33. Gustatory System; 34. The Olfactory System; 35. The Vestibular System; 36. Auditory System; 37. Visual System; 38. The Emotional Systems; 39. Cerebral Vascular System; Index

---

Sommario/riassunto

The previous two editions of the Human Nervous System have been the standard reference for the anatomy of the central and peripheral nervous system of the human. The work has attracted nearly 2,000 citations, demonstrating that it has a major influence in the field of neuroscience. The 3e is a complete and updated revision, with new chapters covering genes and anatomy, gene expression studies, and glia cells. The book continues to be an excellent companion to the Atlas of the Human Brain, and a common nomenclature throughout the book is enforced. Physiological data, functional

---