1. Record Nr. UNINA9910830012103321

Titolo	Motor areas of the cerebral cortex [[electronic resource]]
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 1987
ISBN	1-282-34581-8 9786612345814 0-470-51354-3 0-470-51355-1
Descrizione fisica	1 online resource (335 p.)
Collana	Ciba Foundation symposium ; ; 132
Disciplina	599.01852 612.825
Soggetti	Motor cortex
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Papers presented at a symposium held at the Ciba Foundation, London, 24-26 Feb. 1987. "A Wiley-Interscience publication."
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	MOTOR AREAS OF THE CEREBRAL CORTEX; Contents; Participants; Introduction; Epicortical electrical mapping of motor areas in primates; Ascending inputs to, and internal organization of, cortical motor areas; Input and output organization of the supplementary motor area; Some aspects of the organization of the output of the motor cortex; Functional studies of motor cortex; Functional relations between primate motor cortex cells and muscles: fixed and flexible; General discussion 1; Cortical mechanisms subsewing reaching Neuronal activity in the primate non-primary cortex is different from that in the primary motor cortexTwo cortical systems for directing movement; General discussion 2; Functional organization of inferior area 6; Motor control function of the prefrontal cortex; Cerebellar inputs to motor cortex; General discussion 3; Bereitschaftspotential as an indicator of movement preparation i n supplementary motor area and motor cortex; Metabolic mapping of sensorimotor integration in the human brain; Differential effects of cortical lesions in humans What do the basal ganglia tell premotor cortical areas?Final general discussion; Chairman's closing remarks; Index of contributors; Subject

	index
Sommario/riassunto	Comprises the proceedings of a symposium held at the Ciba Foundation, London, February 1987. Addresses main issues and new techniques in the study of motor areas of the cerebral cortex in humans and animals. Reviews the historical development of the study of cortical structure and function, examines anatomical connections of motor areas, and surveys physiological studies of cortical areas in conscious primates. Also considers the effects of cortical lesions, and discusses clinical and experimental results on disorders of motor control.